<table>
<thead>
<tr>
<th>Folder No. 1:</th>
<th>Right Side</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Left Side</strong></td>
<td><strong>Right Side</strong></td>
</tr>
<tr>
<td></td>
<td>Project summary (final)</td>
</tr>
<tr>
<td></td>
<td>Work Completed analysis (final)</td>
</tr>
<tr>
<td>Undertaking Concerning Royalty</td>
<td>All other material filed in chronological order including the</td>
</tr>
<tr>
<td>Royalty Audits</td>
<td>following reports if checked:</td>
</tr>
<tr>
<td>Certification of Discovery</td>
<td>Field Team Semi-Annual Report for Certified Project</td>
</tr>
<tr>
<td>Closing Letter</td>
<td>Final Field Team Report (Tab)</td>
</tr>
<tr>
<td>Cost Audits</td>
<td>Operator's Final Report (Tab)</td>
</tr>
<tr>
<td>Termination Notice or Agreement</td>
<td>Interim Field Team Reports</td>
</tr>
<tr>
<td>Revision Notice</td>
<td>Operator's monthly reports and all attachments</td>
</tr>
<tr>
<td>Assignment of Contract</td>
<td>On-site Exam Report (Tab)</td>
</tr>
<tr>
<td>Contract Amendments</td>
<td>Settlement Sheets</td>
</tr>
<tr>
<td>Contract with all exhibits and</td>
<td>Drill Logs</td>
</tr>
<tr>
<td>annexes</td>
<td></td>
</tr>
<tr>
<td>Owner's Consent to Lien and</td>
<td></td>
</tr>
<tr>
<td>Subordination Agreement</td>
<td></td>
</tr>
<tr>
<td>Application and attachments</td>
<td></td>
</tr>
</tbody>
</table>

**Additional Folders:**

<table>
<thead>
<tr>
<th>Folder No. 2: Reports</th>
<th>Field Team Semi-Annual Report for Certified Project</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Field Team Interim Reports</td>
</tr>
<tr>
<td>Analysis of Semi-Annual</td>
<td>Operator's Monthly Reports with transmittal, narrative and maps.</td>
</tr>
<tr>
<td>Inspection Reports &amp; FT Semi-annual reports</td>
<td>Settlement Sheets</td>
</tr>
<tr>
<td>Project Summary (Interim) by IMEA Engineers</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Folder No. 3: Maps (Use pocket folder or envelope)</th>
<th>Settlement Sheets</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Folder No.</th>
<th>Settlement Sheets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill Logs</td>
<td></td>
</tr>
<tr>
<td>Royalty material</td>
<td></td>
</tr>
</tbody>
</table>
REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-E443, Docket BMHA-2446 (uranium), dated November 4, 1952, with

Boomerang Mining Company
P. O. Box 52
Grand Junction, Colorado

and an Undertaking Concerning Royalty executed on November 19, 1957, by

Croff Oil Company
407 Kearns Building
Salt Lake City, Utah

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Cervante Mine located in Grand County, Utah, during the period July 21, 1960, through October 11, 1962.

A certification of discovery or development was issued on November 2, 1953, and, in accordance with Article 6 of the contract and the above-mentioned Undertaking, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 10 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated February 23, 1954, indicated accepted costs under the exploration contract amounting to $23,820.08 with the Government's contribution on a 90 percent basis being $21,438.07.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established the total sales subject to the Government's royalty for the period to be $51,260.61. Royalty payable to the Government at the rate specified in the contract is $2,563.02.

A prior Report of Royalty Review found the sales subject to the Government's royalty through July 20, 1960, to be $164,289.79, which added to the sales for this subsequent period make a total of $215,550.20. The royalty account as of July 20, 1960, was:

| Total Royalty Payable | $8,214.48 |
| Total Royalty Paid    | $8,206.61 |
| Balance of Royalty Due | $7.87 |

As of October 11, 1962, the royalty account of this project was found to be:

| Total Royalty Payable | $10,777.50 |
| Total Royalty Paid    | $10,813.15 |
| Overpayment of Royalty | $35.65 |

November 1, 1962
E. D. Talbert, OME Auditor
This contract provides that the Operator or its successor in interest shall pay to the Government a percentage royalty on any minerals produced from the land thereunder. The land consists of eight unpatented claims (Bannack Nos. 1, 2, and 6, Wrench Nos. 1 and 2, and Grandco Nos. 1, 2, and 3) located in secs. 19 and 20, T. 25 S., R. 26 E., S.L.B.M., Beaver Mesa (West Gateway) District. At the time the contract was executed the Operator was the owner of an undivided one-half interest and lessee of the other undivided one-half interest. In consideration of the contract the lessor, F. Roy Stone, executed Owner's Consents to Lien on November 3, 1952, and September 28, 1953.

Exploration work under the contract was completed on August 21, 1953. During the exploration period and through December 31, 1953, the Operator's shipments of ore aggregated $57,254.59 in proceeds. From March 16, 1954, through December 31, 1954, shipments in the name of Columbus Exall Consolidated Mines Co. amounted to $26,655.77 in proceeds.

On September 28, 1954, F. Roy Stone deeded his undivided one-half interest in the claims to James F. Martin & Company. On February 1, 1955, the Operator deeded its one-half undivided interest to James F. Martin & Company. On March 7, 1955, the latter company then deeded the claims in their entirety to the Croff Oil Company. As an inducement for the Government to release the Operator from liability for royalty payment under the exploration project contract, the Croff Oil Company on November 17, 1957, executed an Undertaking Concerning Royalty whereby the Government was granted a fixed 5% royalty on all production during the period set forth in the contract and, to assure the payment of such royalty, a lien on the land and the production therefrom. This instrument was recorded in the records of Grand County at Moab, Utah, on December 6, 1957.

From July 1, 1955, through June 30, 1956, the Croff Oil Company made shipments on which the proceeds aggregated $23,441.22. Thereafter, through May 16, 1960, shipments aggregating $54,957.21 in proceeds were made by various lessors, i.e., Cordillers Mining Company, Crown Mining Company, Sidney J. Beers, Lester Sage, Sunray Mining Company, and E. E. Lewis, Inc.

All of the aforementioned shipments are covered by a prior Report of Royalty Review dated February 9, 1961, which found a balance of $7,807 due to the Government in royalty. The Croff Oil Company paid this balance due in April 1961.
During the period covered by this latest review, shipments were made by H. K. Lewis, Inc., Box 1481, Grand Junction, Colorado, to the Union Carbide Nuclear Company, Uravan, Colorado, during the period of December 1961 through March 1962 and to Climax Uranium Company, Grand Junction, Colorado, during the period of May 1962 through September 1962. This review included a tabulation and recomputation of the ore settlement sheets through Climax liquidation number 5354 dated October 5, 1962. The tabulation, which is filed with my audit workpapers, is summarized and consolidated with prior findings in the following statement:

<table>
<thead>
<tr>
<th></th>
<th>Prior Periods</th>
<th>This Period</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Dry Yoke</td>
<td>4,001.95</td>
<td>1,221.96</td>
<td>5,223.91</td>
</tr>
<tr>
<td>Pounds: U3O8</td>
<td>24,828.01</td>
<td>8,303.83</td>
<td>33,131.84</td>
</tr>
<tr>
<td>V2O5</td>
<td>120,917.00</td>
<td>37,504.79</td>
<td>158,421.80</td>
</tr>
<tr>
<td>Propane:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base, U3O8</td>
<td>$56,054.92</td>
<td>$29,709.22</td>
<td>$115,764.14</td>
</tr>
<tr>
<td>Development</td>
<td>12,414.19</td>
<td>4,151.93</td>
<td>16,566.12</td>
</tr>
<tr>
<td>Premiums</td>
<td>6,353.76</td>
<td>2,204.73</td>
<td>9,858.49</td>
</tr>
<tr>
<td>Haulage</td>
<td>23,278.33</td>
<td></td>
<td>23,278.33</td>
</tr>
<tr>
<td>V2O5</td>
<td>37,461.50</td>
<td>11,673.17</td>
<td>49,134.67</td>
</tr>
<tr>
<td>Penalties, etc.</td>
<td>-1,720.97</td>
<td>2,471.36</td>
<td>1,945.89</td>
</tr>
<tr>
<td>Total</td>
<td>$144,288.70</td>
<td>$31,260.41</td>
<td>$175,549.11</td>
</tr>
<tr>
<td>Royalty Payable</td>
<td>$6,224.48</td>
<td>$2,563.02</td>
<td>$10,787.50</td>
</tr>
<tr>
<td>Royalty Paid</td>
<td>8,286.61</td>
<td>2,606.54</td>
<td>10,893.15</td>
</tr>
<tr>
<td>Overpayment</td>
<td>-7.87</td>
<td>43.55</td>
<td>35.68</td>
</tr>
</tbody>
</table>

The $35.68 overpayment of royalty was made on Union Carbide Nuclear liquidation number 1508 dated December 31, 1961, on which two corrected settlements were issued. This royalty properly payable on the basis of the "second correction" amounts to $295.00, whereas the royalty actually paid totalled $331.55, of which $277.16 was remitted by Greff and $34.39 by Union Carbide Nuclear. Accordingly, a claim for refund from either Greff or Union Carbide Nuclear should be accompanied by evidence of release from the other and also from H. K. Lewis, Inc.

The findings of this review are subject to revision in the event of future audit by the Government of the Operators', the several producers', or the Greff Oil Company's records or future examination of the stopped areas. It is to be noted, also, that royalty is payable on all ore broken through November 4, 1962, regardless of when shipped or sold.
This review was made in lieu of an on-site audit of the Operator’s accounts and records for the following reasons:

1. The files indicate that all sales of production have been reported and proper royalty thereon has been paid, except as indicated above; and

2. The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.
UNDEARTAKING CONCERNING ROYALTY

WHEREAS, by an instrument dated March 7, 1933, the undersigned acquired the entire interest in certain unpatented lode mining claims situate in West Gateway Mining District, Grand County, Utah (the "land"), described in Exploration Project Contract DME-2443, Book No. DME-2443, dated November 4, 1932 (the "Contract"), between the United States of America, acting through the Department of the Interior, and Boomerang Mining Company (the "Operator"), as follows:

Bonanza No. 1 and No. 2, Book 9-J, Page 31; Bonanza No. 6, Book 9-J, Page 25.
Cranthorpe No. 1 and No. 2, Book 9-J, Page 39
Crandall No. 1, No. 2, and No. 3, Book 9-J, page 39;

and

WHEREAS, pursuant to the Contract, said land and any production therefrom are subject to royalty rights of the Government, and liens to secure the royalty, and the Operator is bound by the Contract not to transfer any rights in the land without making suitable provision for preservation of the Government's rights, and

WHEREAS, the undersigned acknowledges that it acquired its interest in the land with prior knowledge of and subject to the royalty rights and liens of the Government, and on condition that it would pay any royalty due the Government, and preserve the Government's liens; and

WHEREAS, neither the instrument of conveyance by which the undersigned acquired its interest in the land nor the deeds conveyances preceding it contains any reference to the Government's rights, and it was intended that they contain such reference and be recorded with the official land records of Grand County, Utah; and

WHEREAS, the undersigned represents to the Government and covenants that there now are no liens or encumbrances of record against the land; and

WHEREAS, the undersigned desires the Government to release the Operator from all liability under the Contract for the payment of the Government's royalty;
No. 5525

Recorder of Grand County

$3.60

Moab, Utah Dec. 6 1957

RECEIVED OF Croff Oil Company

Three and 60/100 Dollars

For recording unenstaking & royalty

Esther Somers

COUNTY RECORDER
NOW, THEREFORE, in consideration of One Dollar ($1.00) and
other good and valuable consideration acknowledged to have been
received from the United States, and as an inducement to the Govern-
ment to release the Operator from all liability under the Contract
for payment of royalty, the undersigned hereby grants and conveys to
the Government a royalty in the amount of 3 percent of the gross
proceeds (including any bonuses, premiums, allowances, or other bene-
fits) from the sale of any production from the land referred to above,
in the form sold (ore, concentrates, metal, or equivalent). The
Government shall be entitled to receive this royalty on all produc-
tion made from the land during the period beginning November 4, 1932,
and ending November 4, 1962, or until the Government has received
royalties totaling $21,438.07, without interest, whichever occurs
first, whereupon the right to royalty shall cease.

There is also hereby granted to the Government a lien upon
the land and upon any production therefrom to secure the royalty due
by virtue of the undertaking in this instrument, said lien to cease
when the Government's right to royalty ceases.

Dated this 19th day of November, 1957.

CROFF OIL COMPANY

By W. D. Nebeker

Title: President

I, Maxwell Bentley, certify
that I am the secretary of the corporation
named herein; that W. D. Nebeker, who signed this instrument on behalf of the corporation, was then
president of said corporation; that said
instrument was duly signed for and in behalf of said corporation by
authority of its governing body, and is within the scope of its cor-
porate powers.

Maxwell Bentley

State of Utah
County of Salt Lake

On the 19th day of November, 1957, personally
appeared before me W. D. Nebeker.
who, being by me duly sworn, did say, that he is the president (or secretary) of Groff Oil Company, and that the foregoing instrument was signed in behalf of said corporation by authority of its by-laws (or by resolution of its board of directors), and that said __________________ acknowledged to me that said Groff Oil Company executed the same.

(Official taking oath)
REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract No. IDM-E445, Docket No. DMBA-2446 (Uranium), dated November 4, 1952, with

Boomerang Mining Company
P. O. Box 52, Grand Junction, Colorado

and an Undertaking Concerning Royalty, executed November 19, 1957, by

Coff Oil Company
309 Crandall Bldg., Salt Lake City, Utah

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as Corvusite Mine located in Grand County, Utah, during the period July 3, 1937, through July 20, 1960.

A certification of discovery or development was issued on November 2, 1953, and, in accordance with Article 6 of the contract and the above-mentioned Undertaking, royalty is payable on all minerals mined or produced from the land described in Article 2 of the contract for a period of 10 years from the date of the contract or until the total net amount contributed by the Government is fully repaid, whichever occurs first. A Report of Review dated February 23, 1954, indicated accepted costs under the exploration contract amounting to $23,820.08 with the Government's contribution, on a 90 percent basis, being $21,438.07.

The status of the project, the scope of review, and the reasons therefore are stated on page 2.

This review established the total sales of uranium ore for the period to be $46,301.73. Royalty due the Government at rates specified in the contract is $2,315.08.

A prior Report of Royalty Review found the sales subject to Government royalty through July 2, 1957, to be $117,988.06 which added to the sales for this subsequent period make a total of $164,289.79. The royalty account as of July 2, 1957, was:

<table>
<thead>
<tr>
<th>Total Royalty Due</th>
<th>$3,899.40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Paid</td>
<td>$3,899.40</td>
</tr>
<tr>
<td>Balance of Royalty Due</td>
<td>$0</td>
</tr>
</tbody>
</table>

At July 20, 1960, the royalty account of this project was found to be:

<table>
<thead>
<tr>
<th>Total Royalty Due</th>
<th>$8,214.48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Paid</td>
<td>$8,206.61</td>
</tr>
<tr>
<td>Balance of Royalty Due</td>
<td>$7.87</td>
</tr>
</tbody>
</table>

February 9, 1961

E. D. Talbert, OME Auditor
During the period covered by this review ore was produced from the project property and royalty thereon was paid by, or for the account of, Crown Mining Company, Sidney J. Beers, Lester Sage, Sunray Mining Company, and E. E. Lewis, Inc. This review included a tabulation and recomputation of liquidation statements relating to sales of uranium ore to Climax Uranium Company, Union Carbide Nuclear Company, Vanadium Corporation of America, and Lucius Pitkin, Inc. The property under the contract was not eligible for the initial production bonus. The tabulation is filed with my audit workpapers.

The last settlement included in this review related to a trial shipment from E. E. Lewis, Inc., to Lucius Pitkin, Inc., on May 16, 1960. This settlement was the only one found by this review to have additional royalty due the Government thereon. A summary of the findings on this settlement follows:

<table>
<thead>
<tr>
<th>Date: June 6, 1960</th>
<th>Liq. No. 5145</th>
<th>Lot No. 456</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short tons:</td>
<td>Wet 24.83</td>
<td>Dry 23.34</td>
</tr>
<tr>
<td>Assays:</td>
<td>$\text{U}_3\text{O}_8$ 0.10%</td>
<td>$\text{V}_2\text{O}_5$ 0.68%</td>
</tr>
<tr>
<td>Base payment, $\text{U}_3\text{O}_8$</td>
<td>$70.02$</td>
<td>$23.34$</td>
</tr>
<tr>
<td>Development allowance</td>
<td>$134.08$</td>
<td>$98.40$</td>
</tr>
<tr>
<td>Haulage allowance</td>
<td>$23.34$</td>
<td>$98.40$</td>
</tr>
<tr>
<td>Payment, $\text{V}_2\text{O}_5$</td>
<td>$325.84$</td>
<td>$16.29$</td>
</tr>
<tr>
<td>Total subject to royalty</td>
<td>$325.84$</td>
<td>$16.29$</td>
</tr>
<tr>
<td>Royalty @ 5%</td>
<td>$8.42$</td>
<td>$7.87$</td>
</tr>
<tr>
<td>Royalty paid</td>
<td>$8.42$</td>
<td>$7.87$</td>
</tr>
<tr>
<td>Balance of royalty due</td>
<td>$8.42$</td>
<td>$7.87$</td>
</tr>
</tbody>
</table>

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(a) Inspection reports submitted by field representatives of OMB and other correspondence and documents in the files indicate that all production during the period covered by the review has been reported and proper royalty, except as indicated herein, has been paid; and

(b) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.
Operator's Name: Boomerang Mining Co.
Address: Box 112
Gateway, Colorado

Exploration Contract No. IAm E445
Docket No. 2446

1. (a) Does the Operator stockpile ore subject to royalty repayment? [X]
   (b) If so, is segregation and identification procedure adequate? [X]

2. (a) Does Operator commingle production subject to DMEA or OME royalties with exempt production? [X]
   (b) If so, do you consider the allocation of the commingled production equitable? [X]

3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period? [X]
   (b) If so, are adequate records maintained on such material to protect the Government's interest? [X]

4. Do you consider the assay controls in effect are adequate? [X]

5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns? [X]

6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties? [X]

7. Does the Operator buy from or sell to other Operators? [X]

8. Comment on any item 2 (b) to 6 if answer is No.

July 20, 1960
Date

Hugh M. Connors
Mining Engineer
SECOND REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, DMEA Field Team, Region III, Denver, Colorado, pertaining to Contract IDM-6445, Docket No. DMEA-2446 (Uranium) dated November 4, 1952, including Amendments Nos. 1 through 5, with

Boomerang Mining Company, Original Contractor
Croft Oil Company, Present Owner
309 Uranium Center Building
Grand Junction, Colorado.

for the purpose of determining the amount of royalties due the United States Government on sale of Uranium-Vanadium ores from the Corvusite Mine in Grand County, Utah, during the period March 22, 1956, to July 2, 1957.

The status of the project, scope of the review, and reasons therefor are stated on Page 2.

My review established the total sales of Uranium-Vanadium ores for this period to be $13,311.22. Royalty due the U. S. Government at the contract rate of 5% is $665.55. A prior Report of Royalty Review made by Donald T. Finch for the period November 4, 1952 through March 21, 1956, stated the sales of Uranium-Vanadium ore to be $104,676.84, and the royalty at 5% to be $5,233.85. The Auditor stated the royalty account as follows:

<table>
<thead>
<tr>
<th>Total Royalty Due</th>
<th>$5,233.85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Paid</td>
<td>4,768.84</td>
</tr>
<tr>
<td>Balance of Royalty Due</td>
<td>$465.01</td>
</tr>
</tbody>
</table>

As of July 2, 1957, the royalty account of the project was found to be:

<table>
<thead>
<tr>
<th>Total Royalty Due</th>
<th>$5,899.40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Paid</td>
<td>5,899.40</td>
</tr>
<tr>
<td>Balance of Royalty Due (See attached schedule)</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

August 19, 1957

Donald T. Finch, Auditor
A Certificate of Discovery or Development was issued on November 2, 1953, and in accordance with the contract, royalty is payable on the net smelter returns or other net proceeds realized from production as a result of such discovery or development during a maximum period of 10 years from the date of the contract. A Report of Review in lieu of a final audit, dated February 23, 1954, indicated accepted costs under the exploration contract amounting to $23,820.08 with Government's contribution, on a 90 percent basis, being $21,438.07.

During the period covered by this second Report of Royalty Review the property was operated by the present owner, the Croft Oil Company, the Cordillera Mining Company, Lessee, and the Crown Mining Company, Lessee. Correspondence with the Field Operations Office, Atomic Energy Commission, Grand Junction, Colorado, revealed that office had no record of any production during the period September 7, 1956 to May 27, 1957.

My review included a tabulation and recomputation of all ore sales settlement sheets in the files of the Executive Officer, DMEA Field Team, Region III, for the period March 22, 1956 to July 2, 1957. The Operator's reported sales to DMEA were reconciled with the production records maintained by A.E.C. Royalties paid were reconciled with the records of the DMEA Finance Office, Denver, Colorado.

The review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The Examining Engineer is of the opinion that all sales of production are being properly accounted for.

(2) The administrative cost to the Government of an on-site audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.
# Schedule No. 1

## Boomerang Mining Company

### Schedule of Production, Sales and Royalties

<table>
<thead>
<tr>
<th>Period</th>
<th>Gross Weight, Pounds</th>
<th>Dry Weight, Pounds</th>
<th>Dry Weight, Tons</th>
<th>Assays (Average)</th>
<th>Pounds U₃O₈</th>
<th>Base Payment U₃O₈</th>
<th>Development Allowance</th>
<th>Premiums</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/4/52 thru 3/22/56</td>
<td>4,966,160</td>
<td>4,610,693</td>
<td>2,305,346</td>
<td>Uranium U₃O₈</td>
<td>328</td>
<td>52,676.67</td>
<td>$7,561.70</td>
<td>$5,964.71</td>
</tr>
<tr>
<td>3/22/56 to 7/10/56</td>
<td>256,250</td>
<td>238,218</td>
<td>119,120</td>
<td>Vanadium V₂O₅</td>
<td>1.5939</td>
<td>$1,143.65</td>
<td>$352.32</td>
<td>$4,873.64</td>
</tr>
<tr>
<td>7/10/56 to 9/6/56</td>
<td>61,760</td>
<td>58,850</td>
<td>29,420</td>
<td></td>
<td></td>
<td>$362.18</td>
<td>$55.98</td>
<td>$171.09</td>
</tr>
<tr>
<td>9/6/56 to 5/28/57</td>
<td>360,750</td>
<td>335,114</td>
<td>165,570</td>
<td></td>
<td></td>
<td>$4,283.45</td>
<td>$611.93</td>
<td>$44.44</td>
</tr>
<tr>
<td>5/28/57 to 7/2/57</td>
<td>5,644,920</td>
<td>5,242,905</td>
<td>2,621,456</td>
<td></td>
<td></td>
<td>$99,788.42</td>
<td>$8,951.93</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

- The last liquidation settlement sheet in above data is Climax 3456 dated 7/2/57.
- The last Certificate of Deposit is CD 58-6 dated 7/12/57.
- According to letter dated October 6, 1955, from Robert W. Scott, Chief, Accounting Section, Finance Division, U. S. Atomic Energy Commission, Grand Junction, Colo., this group of claims was not eligible for the initial production bonus.
Check Sheet of Examining Engineer

Operator's Name: Croft Oil Company, Successor to Boomerang Mining Company

Address: P. O. Box 52

Grand Junction, Colorado

Exploration Contract No. Idm-4445

Docket No. DMEA-2446

Check One

Yes  No

1. (a) Does the Operator stockpile ore subject to royalty repayment?
   X

   (b) If so, is segregation and identification procedure adequate?

2. (a) Does Operator commingle production subject to DMEA royalties with exempt production?
   X

   (b) If so, do you consider the allocation of the commingled production equitable?

3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?
   X

   (b) If so, are adequate records maintained on such material to protect the Government's interest?

4. Do you consider the assay controls in effect are adequate?
   X

5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns?
   X

* 6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?
   X

7. Does the Operator buy from or sell to other Operators?
   X

8. Comment on any item 2 (b) to 6 if answer is No.

* In examining the property and talking to the mine foreman, F. G. McBroom, it appears that shipments were made during the period Sept. 7, 1956, to May 27, 1957. However, no shipments are recorded for this period.

Date: August 14, 1957

Mining Engineer
I have reviewed the files of the Executive Officer, DEAA Field Team, Region IX, Denver, Colorado pertaining to Contract ICA-2446, Docket No. DEAA-2446 (Gournard) dated November 4, 1952, including Amendments Nos. 1 through 5, with

Gournard Mining Company, Inc.
Gournard-Recall Development Mines Company, Inc.

Spartan Oil Company, Denver, Colorado

203 Broadway Center Building
Grand Junction, Colorado

for the purpose of determining the amount of royalties due the United States Government on sales of carnotite ore from the Gournard Mine in Grand County, Utah, during the period November 4, 1952 through March 31, 1956.

A Certificate of Discovery or Development was issued on November 2, 1953, and in accordance with the contract, royalty is payable on the net smelter returns or other net proceeds realized from production as a result of such discovery or development during a maximum period of 10 years from the date of the contract. A Report of Review in lieu of final audit dated February 23, 1954, indicated accrued costs under the exploration contract amounting to $31,820.08 with the Government's contribution, on a 90 percent basis, being $28,438.07. The scope of review and the reasons therefor are stated on page 2.

My review established the total net sales of carnotite ore to be $104,776.84. (See Schedule No. 1 attached.) Royalty due the United States Government at the contract rate of 5 percent is $5,233.85. The royalty paid and balance due (see Schedule No. 2 attached) is as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Due</td>
<td>$5,233.85</td>
</tr>
<tr>
<td>Total Royalty Received</td>
<td>$4,756.84</td>
</tr>
<tr>
<td>Balance of Royalty Due</td>
<td>$447.01</td>
</tr>
</tbody>
</table>

April 12, 1956

Donald T. Finch, Auditor
DESCRIPTION OF THE REVIEW
AND STATEMENT OF JUSTIFICATION

My review included a tabulation and recomputation of all ore sales
settlement sheets; a conference with Mr. W. E. Young, Mining Engineer, U.S.B.M.,
examining engineer for the project; a reconciliation of total U3O8 sales with
A.E.C. Field Operations Office at Grand Junction, Colorado; and a reconciliation
of royalty receipts with the records of the Finance Office, Region XIII.

The review was made in lieu of an on-site audit of the Operator's ac-
counts and records for the following reasons:

1. The Reexamining Engineer is of the opinion that all sales of production
   are being properly accounted for.

2. The administrative cost to the Government of an on-site audit at this
time would be excessive in relation to the amount of possible additional royalty
   which might be disclosed.
**ROHRER U MINE COMPANY**

**COLUMBUS RECEIPTS**

<table>
<thead>
<tr>
<th>RECEIPTS</th>
<th>RETAIL COM. MINER CO. CROFT OIL COMPANY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Claim</td>
<td>Claim</td>
</tr>
<tr>
<td>Grandee</td>
<td>Grandee</td>
</tr>
<tr>
<td>Benaza</td>
<td>Benaza</td>
</tr>
<tr>
<td>No. 2</td>
<td>No. 2</td>
</tr>
<tr>
<td>No. 2</td>
<td>No. 2</td>
</tr>
</tbody>
</table>

**PERIOD 11/4/52 THROUGH 1/5/54**

<table>
<thead>
<tr>
<th>A.B.C. License No.</th>
<th>$17,675.63</th>
</tr>
</thead>
<tbody>
<tr>
<td>P333</td>
<td>P333</td>
</tr>
<tr>
<td>P333</td>
<td>P333</td>
</tr>
<tr>
<td>1/6/54 TO</td>
<td>3/20/56</td>
</tr>
<tr>
<td>1/5/54</td>
<td>3/20/56</td>
</tr>
<tr>
<td>1/6/54 TO</td>
<td>1/5/54</td>
</tr>
<tr>
<td>3/20/56</td>
<td>3/20/56</td>
</tr>
</tbody>
</table>

**Gross Weight, Pounds**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Weight, Pounds</td>
<td>16,200</td>
</tr>
<tr>
<td>Dry Weight, Ponds</td>
<td>17,450</td>
</tr>
<tr>
<td>Dry Weight, Tons</td>
<td>8.823</td>
</tr>
</tbody>
</table>

**Assay (Assay)**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uranium U3O8</td>
<td>.47</td>
</tr>
<tr>
<td>Vanadium U3O8</td>
<td>2.04</td>
</tr>
<tr>
<td>Pound U3O8</td>
<td>62.13</td>
</tr>
<tr>
<td>Base Payment U3O8</td>
<td>$900.96</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>$41.97</td>
</tr>
</tbody>
</table>

**Premium**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium A Lbs.</td>
<td>47.63</td>
</tr>
<tr>
<td>Value per Ton</td>
<td>972.86</td>
</tr>
<tr>
<td>Amount at 754 Lb.</td>
<td>$39.09</td>
</tr>
<tr>
<td>Premium B Lbs.</td>
<td>76.00</td>
</tr>
<tr>
<td>Value per Ton</td>
<td>972.86</td>
</tr>
<tr>
<td>Amount at 754 Lb.</td>
<td>$19.00</td>
</tr>
</tbody>
</table>

**Resume Allotments**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Per Vet Ton, Average 10.32</td>
<td>7.37</td>
</tr>
<tr>
<td>Number of Vet Tons 9.14</td>
<td>1,223.945</td>
</tr>
</tbody>
</table>

**Commitment Balance Allotments**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds of U3O8</td>
<td>62.13</td>
</tr>
<tr>
<td>Amount at 754 Lb.</td>
<td>$900.96</td>
</tr>
</tbody>
</table>

**High Line Penalty**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Receiving Station Payments</td>
<td>$555.67</td>
</tr>
<tr>
<td>$56,698.92</td>
<td>$97,254.99</td>
</tr>
</tbody>
</table>

**A.B.C. Production**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Subject to Disposal Royalty</td>
<td>$555,67</td>
</tr>
<tr>
<td>Average Value Per Ton</td>
<td>$62.97</td>
</tr>
<tr>
<td>Disposal Royalty Percent</td>
<td>44.59%</td>
</tr>
<tr>
<td>Disposal Royalty Due</td>
<td>$27.78</td>
</tr>
<tr>
<td>Disposal Royalty Received Balance Due</td>
<td>$465.01</td>
</tr>
</tbody>
</table>

**NOTE:** Last Liquidation Settlement above is Olinum Uranium Co. No. 2260 dated 3/20/56
### ROSEMARIE MINING COMPANY

**Contract No.: Ida-8414**  
**Docket No.: 1894-2466**

#### SCHEDULE OF ROYALTIES DUE

**From:** ROSEMARIE Mining Company  
**To:** HUGH CAVENDISH NICKEL COMPANY — Successor to Vanadium Corporation of America

<table>
<thead>
<tr>
<th>Year</th>
<th>Liquidation No.</th>
<th>Gross Value</th>
<th>Royalty Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>1933</td>
<td>3877</td>
<td>$2,529.69</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Less Production prior to 11/4/52:</strong> 673.68</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Net Value:</strong> $1,855.90</td>
<td></td>
</tr>
<tr>
<td></td>
<td>12/3</td>
<td>3940</td>
<td>1,397.07</td>
</tr>
<tr>
<td></td>
<td>12/24</td>
<td>4014</td>
<td>3,067.43</td>
</tr>
<tr>
<td></td>
<td>1/6</td>
<td>4055</td>
<td>2,357.39</td>
</tr>
</tbody>
</table>

**CLOINX MINING COMPANY**

<table>
<thead>
<tr>
<th>Year</th>
<th>Liquidation No.</th>
<th>Gross Value</th>
<th>Royalty Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>1933</td>
<td>548</td>
<td>334.86</td>
<td>16.74</td>
</tr>
<tr>
<td></td>
<td>540</td>
<td>366.00</td>
<td>18.40</td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td><strong>$9,300.40</strong></td>
<td><strong>$465.00</strong></td>
</tr>
</tbody>
</table>

*Note: Figures are approximate and subject to rounding.*
Check Sheet of Examining Engineer

Operator's Name: Croft Oil Company, Successor to Bomarang Mining Company
Address: P. O. Box 52, Grand Junction, Colorado

Exploration Contract No. DME-2446
Docket No. DME-2446

Check One
Yes  No

1. (a) Does the Operator stockpile ore subject to royalty repayment?

   (b) If so, is segregation and identification procedure adequate?

2. (a) Does Operator commingle production subject to DMEA royalties with exempt production?

   (b) If so, do you consider the allocation of the commingled production equitable?

3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?

   (b) If so, are adequate records maintained on such material to protect the Government's interest?

4. Do you consider the assay controls in effect adequate?

5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns?

6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?

7. Does the Operator buy from or sell to other Operators?

8. Comment on any item 2 (b) to 6 if answer is No.

Date: Apr. 23, 1956

W. E. [Signature]
Mining Engineer
Pursuant to the provisions of Exploration Project Contract No. Yd-1045, dated November 1, 1952, (Docket No. 312-2156), hereinafter called the "Contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and the lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly as follows:

Uranium and vanadium bearing ore zones occurring on the property described in Article 2 of the subject contract, as amended. The ore is associated with carbonized plant remains in arkose sandstone and is found in the upper part of the Salt Creek member of the Morrison formation.

Date_____________NOV 2 - 1953
Beaver County Mining Company
P.O. Box 52
Grand Junction, Colorado

To:  DIMA-2446 (Uranium)
Beaver County Mining Company
Coyote Mine
Grand County, Utah
Contract No. 3445

Continued:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated November 2, 1953, all minerals mined or produced from November 4, 1952, to November 4, 1953, were subject to the Government's royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing out books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

George Fumich, Jr.
Director

Fidler Murphy
3/8/63
cc: Croft Oil Company, P.O. Box 2045, Salt Lake City, Utah
Mr. F. Roy Stone, Olathe, Colorado
Director's Reading File
CAHA Division
Region III (3)
Docket
Code 500
Mr. F. Roy Stone
Glathe, Colorado

Re: DMEA-2446 (Uranium)
Beemersang Mining Company
Ceranite Mine
Grand County, Utah
Contract Dme-7445

Dear Mr. Stone:

Enclosed is a self-explanatory letter of today to the Operator under the subject contract.

This correspondence relates to the two Owner’s Consent to Lien forms executed by you on November 3, 1952, and September 28, 1953, under the Defense Minerals Exploration Administration program.

Sincerely yours,

George Fumich, Jr.
Director

Enclosure

MEMO
3/8/63
cc" Director’s Reading File
Region III (2)
Docket
Code 500
Re: DMEA-2446 (Uranium)
Becomerc Mining Company
Corvusite Mine
Grand County, Utah
Contract Idm-Z445

Gentlemen:

Enclosed is a self-explanatory letter of today to the Operator under the subject contract.

This correspondence relates to the Undertaking Concerning Royalty executed by your company on November 19, 1957.

Sincerely yours,

George Fumich, Jr.
Director

Enclosure

FM: Murphy/mm
3/6/63
cc: Director's Reading File
Region III (2)
Docket
Code 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION

CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Boomerang Mining Company
P.O. Box 112
Gateway, Colorado

pertaining to Exploration Project Contract No. Idm-5445, Docket No. DMEA 2446, and including Amendments Nos. 1, 2, 3, 4 and 5, for the months of March to August, 1953, covering a project for exploration of Uranium, located in Grand County, Utah, commonly known as Corvusite Mine.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of costs claimed with the contract and pertinent schedules, consultation with the Executive Officer of the Field Team in charge of the project, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reason:

All of the costs incurred were under a contract provision for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor $23,820.08

Exceptions:
By DMEA Finance Officer 0
Herewith 0

Total Accepted Cost $23,820.08

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Twenty One Thousand Four Hundred Thirty Eight and 07/100ths Dollars

$21,438.07

is considered valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Date: February 23, 1954.

[Signature]
B. J. Brekhus, Auditor

Report of Review
dated February 23, 1954.
EXPLORATION PROJECT CONTRACT
BOOMERANG MINING COMPANY
DOCKET NO. DMEA-2446

AMENDMENT NO. 5

It is agreed this 12th day of October 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Harold C. Anderson, Frank E. Woodard, and Charles V. Woodard, Partners, doing business as the Boomerang Mining Company, hereinafter called the "Operator," parties to Exploration Project Contract Idm-E445 (Docket No. DMEA-2446) dated November 4, 1952, that said contract, as amended, be further modified and amended as follows:

1. Annex I attached to the contract and referred to in Article 2 thereof is hereby amended by adding under the respective headings the following material:

<table>
<thead>
<tr>
<th>Claim</th>
<th>Recording Date</th>
<th>Page</th>
<th>Book</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Bonanza No. 6&quot;</td>
<td>May 28, 1949</td>
<td>'254&quot;</td>
<td>&quot;9-J&quot;</td>
</tr>
</tbody>
</table>

(The Bonanza No. 6 claim was covered by a prior Federal oil and gas lease, but the Operator, on August 19, 1953, in accordance with Public Law 250, 83d Congress, S. 1397, recorded an amended location notice in the office of the Recorder of Grand County, Utah, in Book II of Mining Records, at page 11, with Entry No. 212866.)

2. This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the agreed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

BOOMERANG MINING COMPANY

By /s/ Harold C. Anderson (Partner)  
By /s/ Charles V. Woodard (Partner)  
By /s/ C. Mittendorf (Administrator, Defense Minerals Exploration Administration)
WHEREAS, the undersigned, as owner, co-owner, lessee, or seller has an interest in certain property in the State of __________, County of __________, described as follows:

1/ ________________, patent or unpatented mining claim, recorded in Book ___, page ___,

Grand County Recorder's Office, Moab, Utah:

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and ________________, a partnership consisting of __________.

Frank E. Leonard and Charles V. Leonard

hereinafter called the "Operator";

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production (as set forth on the reverse side hereof) and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production provided for under the terms of said exploration project contract, or any amendment thereof, there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom, until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions

Dated this __________ day of __________, 1953.

[Seal]

[Seal]

[Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated __________, and recorded in book ___, page ___, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.
Repayment by Operator.—a. Certification.—If at any time the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the final report and final account, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

b. Percentage royalty.—The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2, (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years (or other period fixed by the contract) from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, as follows:

(a) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(b) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

c. Definitions.—As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

d. Lien for Payment.—To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

e. Notice to Purchasers.—The Operator shall notify any purchaser of the production of the Government's royalty interest, and shall authorize and direct the purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets; but failure or refusal by the purchaser to comply shall not relieve the Operator of liability to pay any royalty falling due.

f. No Obligation to Produce.—This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.
AMENDMENT OF CONTRACT: No. 12a-2445

Contract Docket No. DMA-2445, dated November 4, 1932, between the United States of America and Bonanza Mining Company, a partnership consisting of Harold C. Anderson, Frank T. Woodard and Charles V. Woodard, is hereby amended as follows, effective as of the date of said contract:

Referring to EXHIBIT "A" attached to Exploration Project Contract Form NF-266(A), void EXHIBIT "A" in its entirety, except for the map, Figure 3, attached thereto, and in lieu thereof substitute the following:

EXHIBIT "A"

Description of the Work

The exploration work will be performed in three general areas and will consist of drilling 7,449 feet of diamond drill holes in the general localities as indicated by Areas I, II and III on Figure 3 attached; and stripping of approximately 1,880 feet of rim in the locality of Area III along the sandstone outcrop of the salt wash member of the Morrison formation. The locations of drill holes as indicated on Figure 3 are tentative. The location of holes and extent of drilling may be varied between and outside of the three specific areas, depending on conditions encountered as the work progresses, subject to the approval of the DMA representatives, except that drilling and rim stripping shall be confined within the boundaries of mining claims on which the operator undertakes and agrees to pay all sums that may fall due and owing to the United States of America under the terms of said Contract 12a-2445.

Costs of the Project

Diamond drilling, 7,449 feet at $1.04 per foot...... $23,618.60
Rim stripping, 150 hours of bulldozer work @ $10.00 per hour........................................ 1,500.00

Total cost of the project........................................ $24,117.60

Government participation at 90%.......................... $21,705.94
This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated OCT 6 1953

BOOMERANG MINING COMPANY

By

Harold G. Anderson, Partner

By

Frank E. Woodard, Partner

By

Charles V. Woodard, Partner

UNITED STATES OF AMERICA

By

W. H. King, Executive Officer,

DBIA Field Team, Region IV
AMENDMENT OF CONTRACT: No. Idm-E443

Contract Docket No. DMEA 2446, dated November 4, 1952, between the United States of America and Boomerang Mining Company, a partnership consisting of Harold C. Anderson, Frank E. Woodard, and Charles V. Woodard, is hereby amended as follows, effective July 10, 1953:

Referring to Amendment No. 2, dated July 6, 1953, which authorized a recess of operations, further referring to said Amendment No. 2, second paragraph, change the date "July 10, 1953" to read "September 15, 1953."

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum."

Dated: OCT 6 1953

BOOMERANG MINING COMPANY

By Harold C. Anderson
Harold C. Anderson, Partner

By Frank E. Woodard
Frank E. Woodard, Partner

By Charles V. Woodard
Charles V. Woodard, Partner

UNITED STATES OF AMERICA

By W. H. King
W. H. King
Executive Officer, DMEA Field Team, Region IV
RETURN SEPTEMBER 16, 1953, BOOMERANG MINING COMPANY, CONTRACT IDM-5445,
APPROVE EXTENSION OF Recess PERIOD FROM JULY 10, 1953, TO SEPTEMBER 15, 1953,
WITHOUT GOVERNMENT OBLIGATION FOR ANY CAUSE INCURRED BY OPERATOR DURING
PERIOD. IN AMENDMENT ALSO PROVIDE CONTRACT COMPLETION DATE.

F E JOHNSON, ACTING ADMINISTRATOR.
July 9, 1953

United States Department of Interior
Defense Minerals Exploration Administration
Mr. W. E. King, Executive Officer
224 New Customhouse
Denver 2, Colorado

RE: Docket DMEx-2446
Contract Idm-E-445

Dear Sir:

We would like to make application for an amendment to the above reference DMEx Contract and amendments as follows:

1. To extend the recess period from July 10, 1953 to September 15, 1953.

2. The total amount of drilling footage allowed by DMEx Contract Idm-E-445 amounts to 7440 feet of which 4788 feet have been drilled. We would like to spend the remaining footage of 2652 feet in drilling the Bonanza No. 2 and Bonanza No. 6 claims which is Area 1 on U.S.B.M. Map 1900-185-C.

3. To include Bonanza No. 6 claim into said contract.
Bonanza No. 6 located May 28, 1949
Recorded Book 97, Page 254, Grand County, Utah.

The reason for requesting an extension of time is due to the fact that it is impossible to get a drilling contractor, and they tell us that they should be able to do the remaining drilling within the next two months.

It appears that the ore channel which we intend to drill is extending onto Bonanza No. 6 thus the reason for including that claim.

Yours very truly,

BOOMERANG MINING COMPANY

(signed) Charles V. Woodard, Partner
(signed) Frank E. Woodard
(signed) Harold C. Anderson
AMENDMENT OF CONTRACT: No. Idm-E445

Contract Docket No. DMEA-2446, dated November 4, 1952, between the United States of America and Boomerang Mining Company, a partnership, is hereby amended as follows, effective April 30, 1953:

Referring to "Article 3. Exploration Project" of Exploration Project Contract Form MF-200(A), delete "nine (9) months" and in lieu thereof insert "thirteen (13) months".

Referring to Contract Idm-E445 and operations thereunder, execution of this document constitutes authorization to recess work operations under the terms of the contract for the period beginning April 30, 1953 and ending on or before July 10, 1953, contingent on the conditions as follows:

1. The operator hereby releases and agrees to save harmless the Government from all claims and demands arising out of conditions or circumstances which may develop at the site of the exploration project during the period operations are recessed.

2. The operator further agrees to protect the Government's interest in the work performed to date to the best interests of the parties concerned without cost to the DMEA project.

3. Reimbursement to the operator for the amount of the Government's participation in the costs of work performed during the month of April 1953 will be deferred pending receipt of Form MF-104 Operator's Monthly Report and Voucher for the first period of work after normal operations have been resumed.

4. The operator shall advise the Government in writing of the date operations are or will be resumed.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated July 6, 1953

BOOMERANG MINING COMPANY

By Harold C. Anderson
Harold C. Anderson, Partner

By Frank E. Woodard
Frank E. Woodard, Partner

By Charles V. Woodard
Charles V. Woodard, Partner

UNITED STATES OF AMERICA

By W.H. King, Executive Officer, DMEA Field Team, Region IV
AMENDMENT OF CONTRACT: No. Idm-B445

Contract Docket No. DMEA 2446, dated November 4, 1952, between the United States of America and Boomerang Mining Company, a partnership, is hereby amended as follows effective as of the date of said contract:

Referring to "Article 3. Exploration Project" of Exploration Project Contract Form MF-200(A), delete "sixty (60)" and in lieu thereof substitute "one hundred and sixty (160)."

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum."

Dated _______________, 1953

BOOMERANG MINING COMPANY

By Harold C. Anderson
Harold C. Anderson, Partner

By Frank E. Woodard
Frank E. Woodard, Partner

By Charles V. Woodard
Charles V. Woodard, Partner

UNITED STATES OF AMERICA

By W. H. Reyes
Executive Officer-DMEA
IT IS AGREED this 4th day of November, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the “Government,” and Boomerang Mining Company, a partnership consisting of Harold C. Anderson, Frank E. Woodard and Charles V. Woodard, hereinafter called the “Operator,” as follows:

ARTICLE 1. Authority for contract.—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled “Government Aid in Defense Exploration Projects.”

ARTICLE 2. Operator’s property rights.—With respect to that certain land situated in the State of Utah, County of Grand, described as follows: See Annex No. 1.

Obligation of the Operator represents and undertakes:

(a) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:

Owner of one-half interest and leases of one-half interest in all claims

(b) That the Operator is a lessee, in possession and entitled to possession, and the Owner’s Consent to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. Exploration project.—The Operator, within sixty (60) days from the date of this contract shall commence work or a project of exploration for Uranium in or upon the described land; and shall bring the project to completion within a period of nine (9) months from the date of this contract. The work to be performed is more fully described in Exhibit “A” attached hereto.

ARTICLE 4. Costs of the project.—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit “A,” attached hereto.

The Government will pay ninety (90) percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $21,705.84, which is ninety (90) percent of $24,117.60, the agreed, estimated total cost of the project in which the Government will participate: Provided, That until the Operator’s final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator’s independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. Reports, accounts, audits.—(a) Progress reports. The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate, upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator’s invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.

Name of mineral or minerals.

Strike out the provision not applicable.
(b) Final report.—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

Compliance with requirements.—If, in the opinion of the Government, any of the Operator's reports are insufficient, or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

Accounts and audits.—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 8 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. Repayment by Operator.—(a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall be in writing and either accompany the tender of the discovery or describe the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government. The net proceeds from the sale or other disposition of such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1 1/2) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.
(2) One and one-half (1 1/2) percent of any such net amounts exceeding eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: The percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1 1/2) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3 1/2) percent)

(b) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not dispatched, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. Assignment, transfer, or loss of Operator's interest.—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; Provided, that mere failure by the Operator to maintain the Operator's rights in the land, without any cessation of operations pursuant to the terms of this contract, or failure to pay the Government the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. Termination and completion.—The Government may, at any time, by written notice to the Operator, terminate this contract; (a) if the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (b) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (c) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. Changes and added provisions — A certified drill log must accompany each Monthly Progress Report. Reimbursement will be made only for diamond drill holes completed to the satisfaction of the DEOMA representative. Drill cores must be properly stored in acceptable core boxes. Cores must be split and one-half retained for the use of the DEOMA. All cores are to be AX or EX size.

 Executed in sextuplicate the day and year first above written.

Boone, Iowa

Mang Co.
(Opperator)

By

H. L. Anderson

Charles W. Kilgo

and

E. Woodard

I, certify that I am the secretary of the corporation named as Operator herein; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

THE UNITED STATES OF AMERICA

By

Executive Officer, DEOMA

FIELD TEAM, REGION IV

U. S. GOVERNMENT PRINTING OFFICE 1949329-1

CORPORATE SEAL
WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Utah, County of Grand, described as follows:1/ The following unpatented mining claims:
- Bonanza No. 1, No. 2, recorded in Book 9-J, page 31
- Grantco No. 1, No. 2, No. 3, recorded in Book 9-J, page 34
- Uranth No. 1, No. 2, recorded in Book 9-J, page 35

all recorded in the Grand County recorder's office, Moab, Utah.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

Boomerang Mining Company, a partnership consisting of Harold C. Anderson,

Frank E. Woodard and Charles V. Woodard.

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government’s equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty is fully paid in the amount of the Government’s contribution, not in excess of $2,703.84, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 3rd day of November, 1952,

[Seal]

[Seal]

[Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated ______, and recorded in book ______, page ______ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

4/ Insert the maximum amount of the Government's contribution.
Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) per cent of any such net amounts, plus one-half ($0.50) per cent such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.
ANNEX NO. 1
Form MF-200(A)

Article 2. Operator's property rights.—With respect to that certain land situated in the State of Utah, County of Grand, described as follows: The following unpatented mining claims recorded in the Grand County recorder's office, Moab, Utah:

<table>
<thead>
<tr>
<th>Claim</th>
<th>Recording Date</th>
<th>Page</th>
<th>Book</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonanza No. 1</td>
<td>January 12, 1945</td>
<td>31</td>
<td>9-J</td>
</tr>
<tr>
<td>Bonanza No. 2</td>
<td>January 12, 1945</td>
<td>31</td>
<td>9-J</td>
</tr>
<tr>
<td>Urantah No. 1</td>
<td>February 5, 1945</td>
<td>35</td>
<td>9-J</td>
</tr>
<tr>
<td>Urantah No. 2</td>
<td>February 5, 1945</td>
<td>35</td>
<td>9-J</td>
</tr>
<tr>
<td>Grandco No. 1</td>
<td>February 5, 1945</td>
<td>34</td>
<td>9-J</td>
</tr>
<tr>
<td>Grandco No. 2</td>
<td>February 5, 1945</td>
<td>34</td>
<td>9-J</td>
</tr>
<tr>
<td>Grandco No. 3</td>
<td>February 5, 1945</td>
<td>34</td>
<td>9-J</td>
</tr>
</tbody>
</table>
EXHIBIT "A"

Description of the Work

The work consists of three projects. Project I in Area I on Figure 3 attached consists of bulldozing access roads, leveling drilling sites, drilling 23 core drill holes to an average depth of approximately 120 feet. The drill holes are to be spaced on approximately 100-foot centers. The location of these holes is shown on Figure 3. If in the opinion of the DMEA representative the results of this drilling indicate that additional drill holes are warranted, 15 additional drill holes may be drilled at locations acceptable to the DMEA representative. Prior written approval of the DMEA representative is required before any additional drilling is authorized.

Project II is in that part of Area II on the Uranthah No. 2 claim shown on Figure 3 attached, and consists of diamond drilling 12 core drill holes to an average depth of approximately 140 feet. The drill holes are to be spaced on approximately 100-foot centers. The approximate locations of the drill holes is shown on Figure 3.

Project III consists of stripping with a bulldozer approximately 1800 feet of the rim along the sandstone outcrop of the Salt Wash Member of the Morrison formation. It is estimated that this work can be completed in 150 hours with a D-8 Caterpillar or equivalent. If in the opinion of the DMEA representative the results of the stripping warrant diamond drilling, 8 diamond core drill holes may be drilled to an average depth of approximately 150 feet at locations acceptable to the DMEA representative. Prior written approval of the DMEA representative is required before any drilling is authorized in this area.

If deemed advisable by the DMEA representative, work on all three projects may be carried on concurrently.

Costs of the Project

Project I

23 core drill holes, average depth of 120 feet, including all costs of bulldozing drill sites, assaying, sampling, engineering, and core box preparation

2760 feet of hole at $3.08 per foot  $ 8,500.80

15 additional core drill holes, average depth of 120 feet, if authorized, including the same costs as above

1800 feet of hole at $3.08 per foot  $ 5,544.00

Total cost of Project I  $14,044.80

Government's participation at 90%  $12,640.32
Project II

12 core drill holes, average depth approximately 140 feet, including all costs of assaying, sampling, engineering and core box preparation

1680 feet of hole at $2.96 per foot $4,972.80
Total cost of Project II $4,972.80
Government's participation at 90% $4,475.52

Project III

D-8 or equivalent bulldozer complete with operator, fuel and maintenance

150 hours at $10.00 per hour $1,500.00

8 core drill holes, average depth approximately 150 feet, including all costs of assaying, sampling, engineering and core box preparation

1200 feet of hole at $3.00 per foot $3,600.00
Total cost of Project III $5,100.00
Government's participation at 90% $4,590.00

Total cost of Projects I, II and III $24,117.60
Government's participation at 90% $21,705.84
APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

BOOMERANG MINING COMPANY, (a partnership of Harold C. Anderson, Frank E. Woodard and Charles V. Woodard) BOX 112 GATEWAY, COLORADO

Date MARCH 14, 1952

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. When a question is inapplicable it should be so stated in the form. Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (a) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
   (b) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.
   (c) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

   NOTE: (1) If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (c) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.
   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors substantiating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (a) What metals or minerals do you expect to find?
   (b) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.
The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (a) Describe fully the proposed work and give the total cost of the project.
   (b) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the location of the proposed exploration work as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—
   (a) Rented
   (b) Purchased
   (c) Furnished by you
   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (a) How much are you prepared to invest in the proposed project?
    (b) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO-5)?

11. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

BOoERANG MINING COMPANY

(Name of company)

By

(Charles V. Woodard)

(Signature of authorized official)

MARCH 14, 1952

(Date)

PARTNER

(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.
1. (a) Description of real property

<table>
<thead>
<tr>
<th>Location Certificate</th>
<th>Location Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of Bonanza #1 Lode Mining Claim</td>
<td>Book 9-J, Pages 31-36</td>
</tr>
<tr>
<td>Bonanza #2</td>
<td>Book 9-J, Pages 31-36</td>
</tr>
<tr>
<td>Urantah #1</td>
<td>Book 9-J, Pages 31-36</td>
</tr>
<tr>
<td>Urantah #2</td>
<td>Book 9-J, Pages 31-36</td>
</tr>
<tr>
<td>Urantah #3</td>
<td>Book 9-J, Pages 31-36</td>
</tr>
<tr>
<td>Grandco #1</td>
<td>Book 9-J, Page 254</td>
</tr>
<tr>
<td>Grandco #2</td>
<td>Book 9-J, Pages 31-36</td>
</tr>
<tr>
<td>Grandco #3</td>
<td>Book 9-J, Page 34</td>
</tr>
</tbody>
</table>

All of these unpatented claims are situate in sections 19 & 20, T25S, R26E, S. L. M. Grand County, Utah.

When this property was drilled by the Bureau of Mines, project No. 1904, in 1943 the claims were the Corvusite No. 1 & No. 2 claims. The annual assessment work on the Corvusite claims was not done and the same ground was legally claimed as Bonanza claims, January 6, 1945.

The Bonanza No. 1 claim was surveyed in October 1951 by R. Edmondson registered surveyor and the ground was not quite the same as described on the original location certificate. To make the location certificate description fit the ground stakes an amended location was filed November 28, 1951, recorded in book 9-L, Page 151. The only change made was in the distance to the tie point, which was changed from 1715 feet to 1749 feet.

Legal description of Bonanza No. 1 lode mining claim.

Beginning at corner No. 1 thence West 600 feet to corner No. 2 thence North 1500 feet to corner No. 3, thence East 600 feet to corner No. 4 thence South 1500 feet to corner No. 1 place of beginning.

From corner No. 1, the Northeast corner of section 30, T25S, R26E, S. L. M. bears South 1749 feet.

The relationship of the claims to each other are shown on maps numbers 1 and 2.

We have an ABSTRACT OF TITLE up to March 6, 1951 for the above unpatented mining claims. This abstract of title will be made available to you at your request.

(b) Boomerang Mining Company owns an undivided 1/2 interest in the Corvusite group of claims - (see letter from Bryant, Petrie & Waldeck - Attorneys, Montrose, Colo. Boomerang Mining Company has a lease on the other undivided 1/2 interest from F. Roy Stone of Clateh, Colo. that runs until March 31, 1958. See attached letter from F. Roy Stone as to his willingness to accept Government lien on his share of the property.
1. (c) Legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

(1) Both areas are the same.

2. (a) We expect to find minable quantities of ores containing U₃O₈ and V₂O₅.

(b) Geologic features and reasons for expecting to find commercial ore bodies.

Corvusite Mine Area Map No. 1
Bonanza No. 1, Bonanza No. 2, Urantah No. 1 claims.

In the present workings of the Corvusite mine the ore occurs in sandstone beds 20-40 feet thick in the upper third of the salt wash member of the Morrison foundation. The beds dip approximately four degrees Northeast and are overlain by a bed of mixed shale and sandstone above which is a second sandstone 60 feet thick. Rolls of ore from 3 to 6 feet thick trending in all directions have been followed for as much as 100 feet. After mapping all of the rolls that we have encountered in the Corvusite mine since September 1, 1948 we have found that although the rolls do trend in all directions, the trends on 90% of the rolls have an elongation of either S25-30 degrees west or S35-40 degrees East. The Southwest trending rolls are predominant in the western part of the mine, and the Southeast trending rolls are predominant in the eastern part of the mine. The Southeast trending rolls are usually narrower and of a higher grade than the Southwest trending rolls.

In the mine workings to the Northeast & to the South & Southeast there are geologic characteristics favorable for ore. These are, (1) an abundance of altered gray mudstone and of carbonaceous material, (2) the orientation of ore rolls (3) the dominantly pale and light yellow brown cross bedded sandstone speckled with limonite stain.

We have driven exploratory drifts to try to pick up additional ore bodies with only fair results. The rolls of ore have varied in elevation as much as 35 feet making drifting highly speculative.

In July 1951 Mr. Lindbloom and Mr. Collins of C. R. M. O. division of the A. E. C. at Grand Junction studied the mine for four days. They were of the opinion that some diamond drilling was warranted to test the structure at the confluence of the two washes approximately 250 feet south of the present workings, and to test the structure to the northeast of the mine.

In 1943 the Bureau of Mines drilled 21 holes in the Corvusite mine area, 12 holes were blank, 9 holes showed mineralization. From the area drilled the boomerang Mining Co. in the period September 1, 1948 to August 31, 1951, mined 2625.34 dry tons of ore which yielded 21,268 lbs. of U₃O₈ and 88,992 lbs. of V₂O₅. In the same period another lessee mined approximately 2500 tons of dry ore which yielded an approximate 20,000 lbs. of U₃O₈ and 75,000 lbs. of V₂O₅ making a total of 5125.34 dry tons of ore, which yielded 41,268 lbs. of U₃O₈ and 163,992 lbs. of V₂O₅ from the drilled area, and there is still small quantities of ore in 6 drifts of the mine.
2. (b) Continued

It seems reasonable to expect to find more ore bodies as the 21 holes drilled by the Bureau of Mines tested only a small area of the favorable ground and the percentage of ore holes was high.

North Draw Area Map No. 2
Grantah No. 2 and No. 3 claims

There is a draw as shown on Map No. 2 on Grantah No. 2 and No. 3 claims that was tested with one diamond drill hole in 1950, although no mineralization was shown by the core the sandstone was considered favorable for ore deposition and approximately 45 feet thick at the ore horizon. In the early 20's a drift of 40 feet was driven on an outcrop just south of the draw on a very prominent roll that contains some manganese and small amounts of \( U_3O_8 \) and \( V_2O_5 \) (0.03 - 0.06\% \( U_3O_8 \) and 0.04 - 0.07\% \( V_2O_5 \)).

The rim in which the drift was driven is a cross bedded light yellow brown sandstone with some altered mudstone and is approximately 40 feet thick where exposed.

North Rim Area Map No. 2
Grantco No. 1, No. 2 and No. 3

There are five prominent rolls on the ore rim on these claims that contain some manganese and small amounts of \( U_3O_8 \) and \( V_2O_5 \) (0.03 - 0.06\% \( U_3O_8 \) and 0.05 - 0.1\% \( V_2O_5 \)).

The sandstone of this rim seems favorable for ore production having a thickness of from 40 to 60 feet, considerable cross bedding and is of the favorable light yellow color with limonite specks.

By building a road and doing additional buldozing along the ore horizon at these rolls on these claims there is a very good possibility that minable quantities of ore will be found and that with a few well planned diamond drill holes one or two new mines can be opened on these three claims. In addition there has been considerable mining done on the Prospect No. 2 claim (estimated production since December 1948 1000 tons of ore that yielded approximately 7000 lbs. of \( U_3O_8 \) which was held under lease that has already opened ore on the northern part of Grantco No. 3 claim.

There is a drift of approximately 40 feet on the Surepay claim on which there is a showing of \( U_3O_8 \) and \( V_2O_5 \). This drift is approximately 1.0 feet west of the west side line of Grantco No. 3 claim. If the trend of this ore is similar to that on the Prospect No. 2 claim which is highly possible it seems justifiable to drill 2 or more holes to test this structure.
3. (a) Proposed diamond drilling

Corvusite Mine Area
Bonanza #1, Bonanza #2 and Uranah #1 claims

23 holes to test structure for areas favorable for additional drilling.
Average depth of holes 120 feet
Total footage 2760 feet

15 holes additional drilling
Average depth of holes 120 feet
Total footage 1800 feet

North Draw Area
Uranah No. 2 and Uranah No. 3 claims to test favorable structure and outcrop of predominantly manganese bearing sandstone roll containing small amounts of V$_2$O$_5$ and U$_3$C$_6$ (0.04 - 0.17% V$_2$O$_5$, 0.03 - 0.08% U$_3$O$_8$)

6 holes to test structure for areas favorable for additional drilling.
Average depth of holes 140 feet
Total footage 840 feet

6 holes additional drilling
Average depth of holes 140 feet
Total footage 840 feet

North Rim Area
Grandco No. 1, Grandco No. 2, and Grandco No. 3 claims

6 holes to test favorable structure and outcrops of predominantly manganese bearing sandstone rolls containing small amounts of V$_2$O$_5$ and U$_3$C$_6$ (0.05 - 0.81% V$_2$O$_5$, 0.03 - 0.06% U$_3$O$_8$)
Average depth of holes 150 feet
Total footage 900 feet

Total feet of diamond drilling to test structure 4840 feet
Total feet of additional diamond drilling 2660 feet
Total footage 7520 feet

Bulldozing
Road building for diamond drill sites, road building on the North rim and prospecting ore rim.

Total cost of project
7520 feet diamond drilling @ $2.75/ft -- $20,680.00
Bulldozing 150 hours @ $10.00/hr. -- 1,500.00
Assaying -- 400.00
Engineering -- 300.00
Accounting -- 100.00
Miscellaneous (core boxes etc.) -- 200.00
Compressor rental -- 100.00
Total cost of project $23,280.00
3. (b) Project will be started within 30 days after exploration project contract is made with the Government. Project will be completed 270 days after exploration project contract is made with the Government.

4. (a) See maps No's. 1 & 2

5. Equipment and facilities to be used in connection with proposed exploratory work.

   - 5 residence cabins in good condition
   - 1 shop equipped with forge, welding equipment, tools etc.
   - No rehabilitation or repairs necessary.

6. No additional facilities, buildings, or fixtures necessary to proposed exploration work.

7. (a) Rented -- small compressor to be used in connection with bulldozing 10 days @ $10.00 per day.
   (b) Purchased -- None
   (c) Furnished by us -- small hand tools & other expendable items.

8. None -- See (11)

9. Assaying -- $400
   Engineering -- $300
   Accounting -- $100
   Miscellaneous (core boxes) $200 etc.

10. (a) $2400.00 and our time

    (b) This amount is sufficient to pay our cost of the project, in accordance with the regulations on Government participation.

11. All diamond drilling will be done by contract and the only cost to us will be the fixed fee contract between Boomerang Mining Company and the diamond drilling contractor.

    We have contacted two reputable firms that do diamond drilling in the uranium area. One or two drilling rigs will be available to start the project between May 1 and May 15, 1952.

    Building road and prospecting rim will be contracted by bulldozing contractor at a fixed fee per hour for the time required to do the work as outlined in question No. 3 above.

    Any additional hand labor needed to assist bulldozing contractor will be furnished by Boomerang Mining Company and not charged to cost of project.
GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

BOOKERANG MINING COMPANY, (a partnership of Harold C. Anderson, Frank E. Woodard and Charles V. Woodard)
BOX 112
GATEWAY, COLORADO

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMEA-2446
Date received 3-2-52

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (5) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. When a question is inapplicable it should be so stated on the form. Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CAN NOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

1. Materials produced:
   (a) What are the chief mine, mill, or smelter products?
   (b) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (a) Linear feet of shafts.
   (b) Linear feet of drifts and crosscuts.
   (c) Linear feet of tunnels or adits.
   (d) Linear feet of other mine openings (explain briefly).
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point.
   (b) Mining district.
   (c) Township, Section, Range.
   (d) County, State.
4. (a) State whether or not property is now in operation, and if in operation, by whom operated.
   (b) Are you operating this property as:
       ☐ Owner.
       ☐ Lessee.
       ☐ Contractor.
5. Number of years in production ____________________________
   If not in production or operation, estimated date when production will begin ____________________________
6. Experience of operators:
   Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who manage the project.
7. History:
   (a) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (b) State briefly the known history and production of adjoining and neighboring properties.
   (c) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
II. Do any changes on price or quantity and basis of change in the present average monthly rate of production? If so, state estimated maximum monthly rate.

<table>
<thead>
<tr>
<th>Item</th>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
<th>(e)</th>
<th>(f)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Month</td>
<td>Average</td>
<td>Aver.</td>
<td>First</td>
<td>14th</td>
<td>1st</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Note: Include all changes in the present average monthly rate of production.)

---

10. Production:

<table>
<thead>
<tr>
<th>Item</th>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
<th>(e)</th>
<th>(f)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Last Year</td>
<td>December</td>
<td>January</td>
<td>February</td>
<td>March</td>
<td>April</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Note: Include all changes in production.)

---

9. Capital Stock Issues:

If more lines are needed continue on separate sheet.

<table>
<thead>
<tr>
<th>Item</th>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
<th>(e)</th>
<th>(f)</th>
<th>(g)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Note: Include all changes in capital stock.)

---

Corporation

Name and address of Officers, Directors, or Partners, and in addition thereto, the five largest shareholders if applicant is a corporation.
1. (a) Chief mine products - Uranium and Vanadium ores.
   (b) No by products

2. Covellite Mine, adit type of mine, Covellite group of claims.
   (a) None
   (b) Approximately 2090 linear feet of drifts and crosscuts of new workings (since 1942)
   (c) Approximately 200 linear feet of adits for drainage.
   (d) Approximately 1800 linear feet of old workings (prior to 1942)
   Line is not flooded.

3. (a) The covellite mine is eleven miles west of Gateway, Colorado, the nearest town.
   (b) Beaver Mesa Mining District
   (c) Secs. 19 & 20, T 25 S, R26 E, Salt Lake Meridian
   (d) Grand County, Utah

4. (a) Property is now in operation. Operated by Boomerang Mining Co.
   (b) Lessee of undivided 1/2 interest, owner of undivided 1/2 interest.

5. Boomerang Mining Co., has operated a part of this property for three and one half years. There has been sporadic operations since 1920.

6. (a) and (b) Same
   R. C. Anderson - E. Met. - Colo. School of Mines 1944. General Mining Experience - San Juan area Colorado - Now operating 240 acre ranch, Montrose County.
   F. E. Woodard - E. Met. - Colo. School of Mines 1942. Allis Chalmers Fig. Co. 1942-1944. General Mining Experience San Juan area, Clear Creek County, Gunnison County, Colorado and three and one half years operating covellite mine.
   C. V. Goodard - E. Met. - Colo. School of Mines 1944. General Mining Experience - Hill, Mining, Diamond Drilling, Coeur d'Alene, Northeast Washington, San Juan area, Colo. Three and one half years operating covellite mine.

7. History
   (a) Original discovery and claims located by R. C. Hart and A. L. Tomlinsen in early 1200's. Purchased by Jake L. Lewis in 1923 and sporadically operated by him until 1947. During the early period of this operation 1923 to 1924, nearly all of the high-grade vanadium and uranium ore was shipped to VITRO Fig. Co., Pittsburg, Pa. Production from 1937 to 1943 was purchased by Vanadium Corporation of America at Natria, Colo., and United States Vanadium Corporation of Uran. The production during this period is reported at 2200 tons of ore averaging more than 2 percent V2O5.
7. (a) Continued
In 1942 the U. S. Bureau of Mines in Collaboration with the Geological Survey performed some exploratory drilling on this property as outlined in Report of Investigations 3983. Seven sites were chosen, and the holes drilled indicated the areas most favorable for additional drilling. Thirteen holes were drilled to test and outline the mineralized zone, and one hole was drilled to test a showing of ore along the rim 600 feet west of the mine. A total of 31 holes were drilled.
In 1946 F. Roy Stone purchased an undivided one half interest in this property from Jake W. Levis and in February 1950 he purchased the remaining one half interest. Production see §10.
(b) adjoining property now being operated is the Prospect No. 1 Claim on which operations have been continuous since Dec. 1948. Production from December 1948 to present time is approximately 1,000 tons that yielded approximately 7,000 lbs. of uranium oxide.

(c) No known reports of private mine examinations available.

8. (a) (b) (c) (d) (e) (f) (g) (h)
H. C. Anderson - Box 101 Partner §1970 $15,000 -- -- $4,000 ----
Rt. #3
Montrose, Colo.

F. E. Goodard - Box 112 Partner 5500 15,000 -- -- 13,500 --
Gateway, Colo.

G. V. Goodard - Box 112 Partner 5500 15,000 -- -- 2,500 ----
Gateway, Colo.

Total §12,970

9. Inapplicable

10. Production
Boomerang Mining Co. Sept. 1, 1948 to Sept. 1, 1951
lbs. dry ore tons $22308 6308 $2265 $2205 $2205 $2205
Sept 1-Sept 49 652,423 326.21 0.59 5,003 3,425 17,060
Sept 49-Sept 50 2,255,809 1127.90 0.29 8,005 1.67 37,377
Sept 50-Sept 51 2,342,837 1171.25 0.26 8,467 1.47 34,328
2525.34 21,283 68,992

Production Area 'A' Map No. 1 (estimated
2500 0.40 20,000 1.50 75,000
Total Production from Area diamond drilled
5125.34 41,266 163,992

Average monthly production is 100 tons per month.

11. We expect to double the average monthly rate of production from 100 to 200 tons per month by operating the complete mine and by an exploratory and development diamond drilling program to locate new ore bodies.
12. (a) The ore occurs in sandstone beds about 20 feet thick in the upper third of the salt wash member of the Morrison formation. The beds dip approximately 4 degrees northeast and are overlain by a bed of mixed shale and sandstone, above which is a second sandstone 60 feet thick. Rolls of ore from 3 feet to 8 feet thick trending in all directions have been followed for as much as 100 feet. The ore rolls in the present workings have varied as much as 35 feet in elevation, making blind drifting highly speculative.

In July 1951 Mr. Lindbloom and Mr. Collins of C.S.N.E.C. Division of the A.E.C. at Grand Junction studied the Carvusite mine for four days. Their report of this study is at the A.E.C. offices in Grand Junction.

(b) 1. See Map No. 1 accompanying EF-103
2. Same as above

(c) Inapplicable

13. Access Roads
   Twelve miles to Gateway Colorado - very poor truck road.
   49 miles to Grand - poor road. 67 miles to Grand Junction of
   which 57 miles is poor road. County maintained road 48 miles
   to Leab, Utah.

14. Water Supply
   Sufficient supply of water - both domestic and for mining
   operations at all seasons; for wells, streams, reservoirs and
   mine.

15. Power
   No electrical power available.

16. Labor
   Two partners full time -- one contract musher -- One
   independent contractor employing two men.

17. Equipment and Facilities
   5 Residence cabins in good condition
   1 Shop equipped with forge, welding equipment, tools etc.
   1 Compressor building
   1 150 ton capacity hoisted ore bin.
   1 315 Cfm. Le Béi Compressor
   1 210 Cfm. Sullivan Compressor
   5 Jackhammers; hoes, pipe, rail, drill, etc. necessary
   for operation.

18. All ores must be sold to A.E.C. of U.S. Government or its
    authorized agents. Since production has exceeded 10,000 lbs.
    of uranium oxide in the period March 1948 to March 1951 the
    property is not now certified for bond payments as outlined
    in A.E.C. circular No. 6, March 1951.

At the present time it is our opinion that no privately held
claims are being drilled by the A.E.C. or its agents at the
request of the owners or lessees.
(b) If deposit is other than placer:

1. Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

2. State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulate total ore reserve as follows:

<table>
<thead>
<tr>
<th>TOTAL ORE OR MINERAL RESERVES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORE OR MINERAL RESERVE</td>
</tr>
<tr>
<td>---------------------------</td>
</tr>
<tr>
<td>Measured (proved)</td>
</tr>
<tr>
<td>Indicated (probable)</td>
</tr>
</tbody>
</table>

(c) If placer:

1. Give estimated total yardage and average marketable mineral content of each deposit.

2. Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

3. Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

4. Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

5. Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

6. Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

BOOMERANG MINING COMPANY

By Charles V. Woodard

MARCH 14, 1952

PARTNER

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

PROJECT SUMMARY REPORT

By: Michael Ching May 19, 1954

1. Docket No. DMEA-2446 (Uranium)
   Contract No. Idm-Ehh5
   Property - Corvusite Mine
   Grand County, Utah

   Operator - Boomerang Mining Company, a partnership consisting of
   Harold C. Anderson, Frank E. Woodard and Charles V.
   Woodard
   Box 112, Gateway, Colorado

   Operators' property rights -
   Owner of one-half interest and lessee of one-half
   interest in 8 claims.
   Owner's Consent to Lien, dated November 3, 1952, and
   September 28, 1953, both signed by F. Ray Stone

2. Contract dated November 4, 1952

   Work authorized (Unit cost basis)

   Diamond drilling in three general localities, with the
   specific locations of holes depending on conditions encountered
   as the work progresses.
   7440 feet @ $3.01 per foot $22,617.60
   Rim stripping along sandstone outcrop
   of Salt Wash member of Morrison formation
   in general area of Grandco Nos. 1, 2 and
   3 claims
   150 hrs. bulldozer work @ $10.00 per hr. 1,500.00

   Total estimated cost of project $24,117.60
   Government participation @ 90% 21,705.84

Amendments

No. 1, dated 2-6-53, provides for work commencement 160 days
from date of contract in lieu of 60 days.

No. 2, dated 7-6-53, provides for completion of work within
13 months of date of contract in lieu of 9 months, and recess
of operations from 4-30-53 to 7-10-53.
Amendments continued


No. 4, dated 10-6-53, amends Exhibit "A" with respect to description of the work and details of costs of the project.

No. 5, dated 10-12-53, adds the Bonanza No. 6 claim to property covered by the contract.

Work completed (Unit cost basis)

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diamond drilling</td>
<td>52 holes - 74,145 ft. @ $3.04 per ft. $22,540.08</td>
</tr>
<tr>
<td>Rim stripping</td>
<td>4,000 linear feet - 128 bulldozer hrs. @ $10.00</td>
</tr>
<tr>
<td>Total cost of project</td>
<td>$23,820.08</td>
</tr>
<tr>
<td>Government participation @ 90%</td>
<td>21,438.07</td>
</tr>
</tbody>
</table>

The rim stripping and drilling were begun simultaneously on March 26, 1953. Rim stripping was completed April 20, 1953. Drilling was recessed from April 30 to August 1, 1953 and completed on August 30.


<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total cost as billed by contractor</td>
<td>$23,820.08</td>
</tr>
<tr>
<td>Exceptions</td>
<td>None</td>
</tr>
<tr>
<td>Total accepted cost</td>
<td>$23,820.08</td>
</tr>
<tr>
<td>Government participation @ 90%</td>
<td>21,438.07</td>
</tr>
</tbody>
</table>

4. Certification of Discovery - November 2, 1953

5. Comments -

The project was originally designed to explore three specific areas southeast, north, and northwest of the existing Corvusite mine. As a result of earlier drilling under the project and USGS drilling for the AEC nearby, the contract was amended to allow greater flexibility in the location of holes and in shifting the drilling to the most favorable areas.

Work under the project was consequently confined to two general areas: (1) the northeast, southeast, and southwest periphery of the Corvusite mine, including the most favorable areas extending to the southeast, and (2) the rim rock area extending north and west from the portal of the Corvusite mine to the western boundary of the Grandco No. 3 claim. In the first area a total of 43 diamond drill holes were drilled, while in the second area two rims of the Salt Wash member of the Morrison formation were stripped for a total linear distance of 9,400 feet. The latter work uncovered three mineralized outcrops of limited extent, two on the lower rim and one on the upper rim. A total of nine diamond drill holes, three behind each mineralized outcrop, were drilled in this area without favorable results.
The drilling in the area southeast of the Corvusite mine resulted in the discovery of an ore body estimated to contain 2,100 tons of ore assaying 0.39% U₃O₈ and 1.03% V₂O₅. Some mineralization farther to the southeast was indicated which would warrant further exploration in that direction by the Operator.

Total production from the Corvusite Mine prior to the new discovery was reported as 2,200 tons of ore averaging about 2% V₂O₅, prior to 1943, and 6,782 tons averaging 0.36% U₃O₈ and 1.52% V₂O₅ thereafter.

The uranium-bearing deposits of the Corvusite Mine are confined to the upper sandstone lens of the Salt Wash member of the Morrison formation. This sandstone lens ranges from 20 to 60 feet in thickness. The ore bodies occur in a channel-like portion of the lens which trends southeast and is roughly 200 feet wide and 1,000 feet long. The individual ore bodies vary in size from 1 to 12 feet thick, 3 to 30 feet wide, and 25 to 100 feet long, and are usually associated with carbonized plant remains. The mineralized areas of the sandstone are usually overlain and underlain with an altered blue shale or mudstone 2 to 8 feet thick. The chief uranium minerals are believed to be uraninite and coffinite.

The rim stripping by bulldozer was done efficiently and required less time than originally estimated. Operator supervised the drilling program adequately and cooperated with the DMEA representative in logging the holes and interpreting the drilling results. Excellent records were kept and monthly and final reports were well presented.

Michael Ching
Michael Ching

Docket (Original)
Admr. Reading File
Code 700
Mr. Ching

MChing/foc/gla
**Audit Sheet - UAMA Project**

**Certified**

Analysis as of **12-2-54**

Incl. Voucher for **Aug., 1953**

Docket No. **2446**

**Name** Boomerang Mining Co.

**State** Utah

**Commodity** Uranium

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>AUTHORIZED</th>
<th>COMPLETED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Units</td>
<td>Cost</td>
</tr>
<tr>
<td>Drifting &amp; Crosscutting</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raising</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Himes</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boring (Specify)</td>
<td>D.O.</td>
<td></td>
</tr>
<tr>
<td>Surface Excavation</td>
<td></td>
<td>1,500.00</td>
</tr>
<tr>
<td>Underground Excavation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roads and Trails</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Equipment Purchased</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surface Rehabilitation &amp; Repairs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Underground Rehabilitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Building, Improvements, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (Specify)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Totals**

|                | 24,117.60 | 23,820.08 | 23,820.08 |

Prepared by **Michael Ching**
October 19, 1962

Defense Minerals Exploration Administration
Docket A2446
224 New Custom House Building
Denver 2, Colorado

Gentlemen:

Enclosed is the second correction on settlement #11500 to R. R. Lewis, Inc. for the Uranium 1 & 2 mines.

We had made an error and overpaid one extra load of ore - resulting in overpayment of $35.65 to you. We would appreciate your check for this amount.

Hoping to hear from you soon.

Yours very truly,

[Signature]

Office Manager

Enclosure

Paid 2/1/63

Vow #4054
November 6, 1962

Mr. Hugh M. Cornnbe,
Acting Field Officer
Office of Minerals Exploration
Building 20, Federal Center
Denver 25, Colorado

Dear Mr. Cornnbe:

RE: DMRA-2446 (Uranium)
Contract No. TDH-2445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

We have reviewed our files on the above subject contract number, and it is noted that Mr. F. E. Levine is not making shipments from the Uranium No. I and No. II claims at the present time, and it is not expected that we will receive shipments in the near future.

Therefore, it would be appreciated, as you have suggested, to arrange the audit in order to forward us the overpayment of royalty amounting to $35.63.

Yours very truly,

Office Manager

[Signature]

Paid 2/7/63
Form # 4054
Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: R. D. Talbert, Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: EMZA-2446 (Uranium)
Boomerang Mining Company
Corvusite Mine
Grand County, Utah
Contract Idm-B445

A Report of Royalty Review covering the subject contract was issued on November 1, 1962, with the finding that $35.65 had been overpaid. On page 3 of the Report it was stated that any claim for refund of that sum should be accompanied by evidence of release from other parties involved.

By letters dated October 19 and November 6, 1962, the Union Carbide Nuclear Company, P. O. Box 1049, Grand Junction, Colorado, requested refund of the $35.65 overpayment. On November 30, 1962, we wrote Croff Oil Company advising it of the claim for refund and requesting its release. To date no reply has been received.

Two months have elapsed since notice was given Croff Oil Company of the claim and Union Carbide Nuclear Company has recently inquired as to when payment may be expected. We now believe it not only safe, but also in the Government's interest in the maintenance of good relations with our ore buyer, to refund to Union Carbide Nuclear Company the $35.65 overpayment.

Enclosed are the originals and two thermofax copies each of the October 19 and November 16 letters claiming the refund. After approval for payment please return the thermofax copies to OME with notation thereon as to voucher number and date.

Enclosures

EDTalbert/ama cc: Docket
2-1-63 Director's Reading File
GA & A Division
Region III (2)
January 29, 1963

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DMEA-2446 (Uranium)
Contract No. Idm-E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Attached is a copy of a letter from D. E. Clark of the Union Carbide Nuclear Company again requesting that they be reimbursed $35.65, the amount of overpayment on Liquidation No. 11508. Also, attached is a copy of my reply.

When the mill overpays us I advise them and by return mail I get the balance of royalty due. It appears to me that in this case we have been very unfair in not returning the amount of overpayment. My records show that Mr. Clark first asked that the $35.65 be reimbursed to them on October 19, 1962.

Hugh M. Connors
Hugh M. Connors
January 28, 1963

Mr. Hugh M. Connors
Acting Field Officer
Office of Minerals Exploration
Building 20, Federal Center
Denver 25, Colorado

Dear Mr. Connors:

RE: DMEA-2446 (Uranium)
Contract No. Idm-E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

We have your letter dated November 15, 1962, requesting
the reimbursement to us in the amount of $35.65 on the
above subject royalty.

We assume that you will advise us when we may expect the
check, or that you will forward the check on to us as soon
as you receive it.

Yours very truly,

DEClark/rh

Office Manager

Mr. Selfridge
Croff Oil Company
P. O. Box 2045
Salt Lake City, Utah

Re: DMNA-2446 (Uranium)
Boomerang Mining Company
Covusite Mine
Grand County, Utah
Contract Idm-2445

Gentlemen:

By letter dated January 16, 1962, in reply to a January 15 letter addressed to R. E. Lewis, Inc., you remitted a check for $277.16, the then indicated balance of royalty due to the Government on Union Carbide Nuclear Company's ore settlement no. 11508. Other payments on this settlement were remitted by Union Carbide Nuclear Company.

The Union Carbide Nuclear Company has recently submitted a second correction of settlement no. 11508 and requested refund of an indicated overpayment of royalty amounting to $35.65. Before making this refund we must be certain that there is no other claimant.

Your cooperation in this matter through the submission of a letter of release signed by you and R. E. Lewis, Inc., jointly, or individual letters in lieu thereof, will be sincerely appreciated.

Sincerely yours,

George Fumieh, Jr.

Director

EDTalbert/ama 11-30-62

cc:
Docket
Director's Reading File
CA & A Division
Region III (2)
Memorandum

To: George C. Selfridge, Chief
   Division of Field Operations, OME
   Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DMEA-2446 (Uranium)
         Contract I dm-E445
         Boomerang Mining Company
         (Corvusite Mine)
         Grand County, Utah

This responds to your memorandum of November 19, 1962 on the subject contract.

Enclosed are the original and two copies of Mr. D. E. Clark's letters of October 19, and November 6, 1962.

I have read, many times, the penultimate paragraph on page 3 of the Report of Royalty Review dated November 1, 1962. I am at a loss to know how to proceed further.

The second correction on liquidation No. 11508 states that the mill made a total overpayment of $712.92 on this liquidation. The DMEA part of this overpayment was 5 percent of $712.92 or $35.65. The balance of the overpayment was made to E. E. Lewis, Inc. and others who held an interest. It is not our concern how the mill retrieved the overpayment from others but I cannot see what claim anyone has, other than Union Carbide Nuclear, on the $35.65 they overpaid us.

I am anxious to get this royalty account settled so that we can close out this contract upon receipt from Climax of a check for the last lot of ore from this mine which will be subject to DMEA royalty. I will surely need detailed instructions on further procedure if we cannot now refund the $35.65, the overpayment due Union Carbide Nuclear Company.

Hugh M. Connors

Attachments
Memorandum

To: Acting Field Officer, Region III

From: Chief, Division of Field Operations

Subject: MME-2446 (Uranium)
Boomerang Mining Company
Curvesite Mine
Grand County, Utah
Contract Idm-H445

Your November 14 memorandum recommends the refund to Union Carbide Nuclear Company of a $35.65 overpayment of royalty under the subject contract. Also, your November 15 letter to Union Carbide Nuclear Company states that you have requested such reimbursement on the basis of its November 6 letter.

Apparently, you have overlooked the penultimate paragraph on page 3 of the Report of Royalty Review dated November 1. This paragraph states that a claim for refund from either Croff Oil Company or Union Carbide Nuclear Company must be accompanied by evidence of release from the other and also from the seller, E. E. Lewis, Inc.

Such precaution is necessary because the royalty on the settlement in question, no. 11508, was remitted to the Government partly by Croff and partly by Union Carbide Nuclear. Furthermore, the proceeds to Lewis were probably reduced accordingly in the settlement.

Even if this question of release was not involved in the matter, the copies of the November 6 letter are insufficient for vouchering purposes. The Fiscal Section must receive the original of any claim or voucher in addition to the two copies required for the Washington office files.

George C. Selfridge/gsl

EDTalbert/ama 11-19-62

cc:
Docket
Director's Reading File
CA & A Division
Review Committee
November 15, 1962

Mr. A. H. Eikenberry
Controller
Climax Uranium Company
P. O. Box 989
Grand Junction, Colorado

Re: BUREA-2446 (Uranium)
Contract No. Idm-1445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Dear Mr. Eikenberry:

Thank you for your letter dated November 14, 1962 which contained the information on the shipment of ore from the Corvusite Mine on November 6, 1962.

By the terms of the captioned contract, the period for the repayment of royalty to the Government will expire upon receipt by the Government of the royalty due on this shipment of ore.

Will you please furnish this office two copies of a Pro Forma Settlement along with your check for the proper amount of royalty due on this shipment of ore.

Yours very truly,

[Signature]

[Name]
Acting Field Officer, OME
Region III

HMC/lm
cc Chief, Division of Field Operations, OME
with 2 copies of Mr. Eikenberry's letter dated 11/14/62
Royalty Corres. Idm-E445
Chron
CLIMAX URANIUM COMPANY
UNIT OF AMERICAN METAL CLIMAX, INC.
P. O. BOX 989
GRAND JUNCTION, COLORADO

November 14, 1962

Mr. Hugh M. Connors
Office of Minerals Exploration
U. S. Department of the Interior
Building 20 - Federal Center
Denver 25, Colorado

Dear Mr. Connors:

In reply to your letter of November 13, 1962 regarding ore received from the Corvusite Mine (Contract No. Idm-E445), we wish to confirm that 30.682 dry tons of ore assaying 0.21% U₃O₈ and 0.43% V₂O₅ was received on November 6, 1962 from the Urantah property. Royalty to OME on this ore would amount to $22.42.

A liquidation number has not been assigned as settlement for ore received from this property is based on monthly averages. However, if it is necessary that you receive a statement from us as to the value of this one load of ore in order to determine the royalty due you, we will be glad to furnish a Pro Forma Settlement along with our check for $22.42.

Very truly yours,

CLIMAX URANIUM COMPANY

A. R. Eikenbary
Controller

cc: A. M. Mastrovich
November 15, 1962

Mr. D. E. Clark, Office Manager
Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

Re: IDMA-2446 (Uranium)
Contract No. IDA-2445
Boomerang Mining Company
(Toresite Mine)
Grand County, Utah

Dear Mr. Clark:

This has further reference to your letter of November 6, 1962 regarding the overpayment of royalty amounting to $35.65 on ore from the Toresite Mine.

I have asked the Washington Office OME to request the Fiscal Section to reimburse you $35.65.

Yours very truly,

[Signature]

Hugh M. Connors
Acting Field Officer, OME
Region III

HMC/FM
cc Chief, Division of Field Operations, OME (2)
Royalty Corres. E445
Chron
November 14, 1962

Memorandum

To: George C. Selfridge, Chief
   Division of Field Operations, OME
   Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DMEA-2446 (Uranium)
         Contract Idm-E445
         Boomerang Mining Company
         (Corvusite Mine)
         Grand County, Utah

Upon my return from the field, I note that Mr. Romslo replied to Mr. D. E. Clark's letter dated November 6, 1962 but I find no place where he recommended that the overpayment in the amount of $35.65 should be refunded to Union Carbide Nuclear Company.

Since this overpayment in royalty ($35.65) is shown in the Report of Royalty Review dated November 1, 1962, I recommend that the $35.65 be refunded to the Union Carbide Nuclear Company.

[Signature]
Hugh M. Connors
November 14, 1962

Croft Oil Company
407 Earne Building
Salt Lake City, Utah

Re: E446 (Uranium)
Contract E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Gentlemen:


Royalty will be due the Government on the liquidation shipped from the subject property November 6, 1962.

Yours very truly,

Original signed by

Hugh M. Connor
Acting Field Officer, O.M.E
Region III

Enclosure
cc Chief, Division of Field Operations O.M.E
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. E445
Chron
November 14, 1962

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D.C.

From: Acting Field Officer, OME, Region III

Subject: BMCA-2446 (Uranium)
Contract Edm-5445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Attached is the original Report of Royalty Review dated
November 1, 1962 on the subject property covering the period

Original signed by

Hugh M. Connors

Attachments

BMCA/Im
cc Chief, Division of Field Operations, OME
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. E445
Memorandum

To: George C. Selfridge, Chief
   Division of Field Operations, OME
   Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DMEA-2446 (Uranium)
   Contract No. Idm-E445
   Boomerang Mining Company
   (Corvusite Mine)
   Grand County, Utah
   EXPIRATION OF DMEA CONTRACT PAYING ROYALTY

I visited the Corvusite Mine on November 8, 1962 in the company of E. V. Haldene, sublessor from the E. E. Lewis, Inc. All of the ore in sight was shipped November 6, 1962. Mr. Haldene is now crosscutting, a distance of 45 feet, toward an ore hole.

I believe that the Government will have collected all of the royalty due when they receive the royalty due on the shipment of ore from the Corvusite Mine on November 6, 1962. Upon receipt of royalty for that liquidation, I recommend that the files be closed on this project.

Hugh M. Connors

Royalty period expires Nov. 6, 1962

[Signature]

[Stamp: Closed]
November 13, 1962

Mr. A. M. Mastrovich  
Climax Uranium Company  
125 North 8th  
Grand Junction, Colorado

Re:  
DMEA-2446 (Uranium)  
Contract No. Idm-E445  
Boomerang Mining Company  
(Corvusite Mine)  
Grand County, Utah

Dear Mr. Mastrovich:

Will you please advise the liquidation number of the ore shipped your mill from the captioned property on or about November 6, 1962.

This is the last shipment of ore from the Corvusite Mine on which royalty will be due the Government under the terms of DMEA Contract Idm-E445.

Yours very truly,

Hugh M. Connors  
Acting Field Officer, OME  
Region III

HMC/Im  
cc Chief, Division of Field Operations, OME  
Idm-E445 Royalty Corres.  
Chron
November 7, 1962

Mr. D. E. Clark, Office Manager
Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

Re: EM-2446 (Uranium) Contract No. EN-5445
Rocosung Mining Company (Cervusite Mine)
Grand County, Utah

Dear Mr. Clark:

This is to acknowledge receipt of your letter dated November 6, 1962 concerning the status of ore shipments from the Uranium No. 1 and No. 2 claims.

A copy of the letter has been forwarded to our Washington Office.

I previously requested that a Report of Royalty Review of this contract be prepared to determine the true amount overpaid.

Yours very truly,

Original signed by

TMR

for

Hugh M. Connors
Acting Field Officer, OME
Region III

TMR

cc Chief, Division of Field Operations, OME (2)

with two copies of Mr. Clark's letter dated 11/6/62
November 6, 1962

Mr. Hugh M. Connors,
Acting Field Officer
Office of Minerals Exploration
Building 20, Federal Center
Denver 25, Colorado

Dear Mr. Connors:

RE: DMEA-2446 (Uranium)
Contract No. IDM-E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

We have reviewed our files on the above subject contract number, and it is noted that Mr. E. E. Lewis is not making shipments from the Uranth No. 1 and No. 2 claims at the present time, and it is not expected that we will receive shipments in the near future.

Therefore, it would be appreciated, as you have suggested, to arrange the audit in order to forward us the overpayment of royalty amounting to $35.65.

Yours very truly,

[Signature]
Office Manager

DECLARK/rh
Memorandum

To: Acting Field Officer, Region III

From: E. D. Talbert, Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DEA-2446 (Uranium)
Boomerang Mining Company
Corveusite Mine
Grand County, Utah
Contract Idm-E445

As suggested in your October 24 memorandum to the Chief, Division of Field Operations, a Report of Royalty Review has been prepared for the subject contract. The original and two copies are enclosed.

If you concur in the facts stated in the report, please make the following distribution:

(a) Original to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.;
(b) One copy to the Croff Oil Company; and
(c) One copy for your files.

In transmitting the Croff Oil Company's copy, attention should be invited specifically to the last two paragraphs of the Report of Royalty Review.

As evidence of your concurrence, a copy of your letter transmitting the Croff Oil Company's copy should be furnished this Division. If for any reason you do not concur, the original and both copies of the report should be returned to this Division with your comments.

Enclosures

EDTalbert/ama 10-31-62

cc:
Docket
Director's Reading File
CA & A Division
Fiscal Section
Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DMEA-2446 (Uranium)
Contract No. Idm-E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Attached is a copy of a letter from the Office Manager, Union Carbide Nuclear Company, a copy of the second corrected settlement sheet for liquidation No. 11508, load detail sheet, and a copy of my reply.

I note from our settlement sheet file that the last ore shipped to Union Carbide Nuclear Company by the present Operator was in March 1962. Since that time the Operator has shipped five (5) lots of ore to the Climax Uranium Company.

It might be well to have a Report of Royalty Review on this contract so that we can refund the true amount of overpayment of royalty if it is again requested.

Hugh M. Connors

Attachments
October 19, 1962

Defense Minerals Exploration Administration
Docket A2446
224 New Custom House Building
Denver 2, Colorado

Gentlemen:

Enclosed is the second correction on settlement #11508 to E. E. Lewis, Inc. for the Urantah 1 & 2 mines.

We had made an error and overpaid one extra load of ore - resulting in overpayment of $35.65 to you. We would appreciate your check for this amount.

Hoping to hear from you soon.

Yours very truly,

[Signature]
Office Manager

DECLA-M/D/FEA/DE

Enclosure
ROYALTY PAYMENT STATEMENT

UNION CARBIDE NUCLEAR COMPANY
DIVISION OF UNION CARBIDE CORPORATION
P.O. BOX 1049 GRAND JUNCTION, COLORADO

DATE 10-16-1967

ROYALTY DUE: ANNA - A2446

ADDRESS: 224 New Customhouse Bldg.
Denver, Colorado

ROYALTY PAYMENT FROM: E.E. Lewis

LIQUIDATION NO.: # 1508 second consecutive

ROYALTY AT: 5% OF $ 711.47

AMOUNT OF ROYALTY PAYMENT

(880 - 88 - ) UNLCN: $ 35.65

TO PAYEE

FORM 250-23-15 B
UNION CARBIDE & NUCLEAR COMPANY
DIVISION OF UNION CARBIDE CORPORATION
P. O. BOX 1049 GRAND JUNCTION, COLORADO
ORE SETTLEMENT

MINING CLAIM
UTAHAN 1-2

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>NET WEIGHT</th>
<th>% H C</th>
<th>DRY WEIGHT</th>
<th>U, O, V, CO</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>094 903.0</td>
<td>417 400</td>
<td>5 5 5 5</td>
<td>396 618 (\Delta 00)</td>
</tr>
</tbody>
</table>

DETAIL OF PAYMENT

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight</th>
<th>% H C</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U208 Payment</td>
<td>1035 71</td>
<td>3.86</td>
<td>197 31</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>1035 71</td>
<td>5.0</td>
<td>197 31</td>
</tr>
<tr>
<td>V205 Payment</td>
<td>4943 88</td>
<td>3.1</td>
<td>197 31</td>
</tr>
<tr>
<td>Late Penalty</td>
<td>66</td>
<td>6.6</td>
<td>197 31</td>
</tr>
</tbody>
</table>

TOTAL

5918 \(\Delta 08\)

Loss amount previously paid

6631.00

(712.92)
## Union Carbide Nuclear Company
**Division of Union Carbide Corporation**

**Load Detail Sheet**

**Receiving Plant Codes**
1. URBAN COLO
2. BHP HEP COLO
3. E GREEN RIVERS UTAH
4. SICKLECO COLO

**Mine Name:** Uranium 1

<table>
<thead>
<tr>
<th>Date of Receipt</th>
<th>Scale Ticket Number</th>
<th>Pounds Ore</th>
<th>% H2O</th>
<th>Pounds Dry Ore</th>
<th>Grade</th>
<th>Pounds</th>
<th>U3O8</th>
<th>V2O5</th>
<th>CaCO3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dec 21 1971</td>
<td>13021</td>
<td>3,448.4</td>
<td>5.4</td>
<td>2,917.3</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Dec 21 1971</td>
<td>13022</td>
<td>3,266.0</td>
<td>5.4</td>
<td>3,018.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Dec 21 1971</td>
<td>14290</td>
<td>3,156.0</td>
<td>5.7</td>
<td>3,078.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Dec 21 1971</td>
<td>14391</td>
<td>3,266.0</td>
<td>5.4</td>
<td>2,789.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Dec 21 1971</td>
<td>14938</td>
<td>3,200.0</td>
<td>6.0</td>
<td>3,018.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Jan 22 1972</td>
<td>14936</td>
<td>2,690.0</td>
<td>6.0</td>
<td>2,440.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Jan 22 1972</td>
<td>14937</td>
<td>2,768.0</td>
<td>6.0</td>
<td>2,530.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Jan 22 1972</td>
<td>14938</td>
<td>3,276.0</td>
<td>6.0</td>
<td>3,078.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Jan 23 1972</td>
<td>14939</td>
<td>3,116.0</td>
<td>5.0</td>
<td>2,960.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Jan 23 1972</td>
<td>14940</td>
<td>2,754.0</td>
<td>5.0</td>
<td>2,361.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Jan 23 1972</td>
<td>14956</td>
<td>2,666.0</td>
<td>6.0</td>
<td>2,352.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Jan 23 1972</td>
<td>14959</td>
<td>2,584.0</td>
<td>6.0</td>
<td>2,471.0</td>
<td>2.1</td>
<td>121.3</td>
<td>913</td>
<td>904</td>
<td>46.4</td>
</tr>
<tr>
<td>Jan 23 1972</td>
<td>121231</td>
<td>2,674.0</td>
<td>5.4</td>
<td>2,520.6</td>
<td>3.0</td>
<td>132.8</td>
<td>75</td>
<td>333</td>
<td>51.8</td>
</tr>
<tr>
<td>Jan 23 1972</td>
<td>121231</td>
<td>3,102.0</td>
<td>5.4</td>
<td>2,934.5</td>
<td>3.0</td>
<td>132.8</td>
<td>75</td>
<td>333</td>
<td>51.8</td>
</tr>
</tbody>
</table>
| Jan 24 1972    | 41740                | 396,618    | 5.5   | 2626.1         | 8.2  | 1035.71| 4943.8| 32,280.72

Total: 417,400 pounds
Building 20 - Federal Center
Denver 25, Colorado

October 24, 1962

Mr. D. E. Clark, Office Manager
Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

Re: BNL-2446 (Uranium)
Contract No. IDM-E445
Bonneville Mining Company
(Corpusite Mine)
Grand County, Utah

Dear Mr. Clark:

This will acknowledge receipt of your letter dated October 19, 1962 regarding the second correction on liquidation No. 11508 on ore sold by E. E. Lewis, Inc. from the captured property which includes the Uranium No. 1 and No. 2 claims.

It would be easier for us if the overpayment of royalty amounting to $35.65 could be deducted from the amount of royalty due the Government on the next shipment of ore to you from E. E. Lewis, Inc. If you are expecting to receive no more ore from this shipper within a reasonable time, will you please advise us and I will request an audit of the account and recommend that the overpayment in royalty be refunded to you.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

HMC/Im
cc Chief, Division of Field Operations, OME (2)
Royalty Corres. IDM-E445
Chron
United States Department of the Interior  
Office of Minerals Exploration  
Building 20 - Federal Center  
Denver 25, Colorado  

Re: Docket No. DMEA-2446 (Uranium)  
Contract No. Idm-B445  
Boomerang Mining Company  
(Corvusite Mine)  
Grand County, Utah  

February 16, 1962

Dear Mr. Connors:

We were informed by Mr. E. E. Lewis that Maxwell Bentley had paid the $8.97 royalty (Liq. No. 11508) so on Mr. Lewis' authorization we did not deduct the $8.97. However, we will deduct this amount from the next settlement for E. E. Lewis, Incorporated and forward it to your office as per your instructions.

Yours very truly,

Office Manager

DEClark/EFDeL/ah

cc: Croff Oil Company  
407 Kearns Building  
Salt Lake City, Utah  

E. E. Lewis, Inc.  
P. O. Box 1481  
Grand Junction, Colorado
February 15, 1962

Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

Re: Racket No. INDA-2445 (Uranium)
    Contract No. U-56-4445
    Bonneville Mining Company
    (Corvusite Mine)
    Grand County, Utah

Gentlemen:

This will acknowledge receipt of your check for $101.71 which is the proper amount of royalty due on Liquidation No. 11345 for the sale of ore from the captioned property.

Your letter of January 18, 1962 stated that you would deduct $8.97 from the next shipment of ore from this property; the $8.97 being the balance of royalty due on Liquidation No. 11508.

Will you please make a note to forward this office an additional $8.97 in royalty on the next shipment of ore from this property to bring this royalty account into balance.

Yours very truly,

Original signed by

Eugene M. Comens
Acting Field Officer, OME
Region III

cc: Croff Oil Company
    407 Brown Building
    Salt Lake City, Utah

E. E. Lewis, Inc.
P. O. Box 1481
Grand Junction, Colorado

Chief, Division of Field Operations, OME (2)
Royalty Corres E445
Chron

HMC/1m
United States Department of the Interior  
Office of Minerals Exploration  
Building 20 - Federal Center  
Denver 25, Colorado  

Re: Docket No. DMEA-2446 (Uranium)  
Contract No. Idm-E445  
Boomerang Mining Company  
(Corvusite Mine)  
Grand County, Utah  

Dear Mr. Connors:  

The reason the correct amount of DMEA money due on Docket 2446, Contract No. Idm-E445, was wrong was due to the wrong interpretation of the royalty deduction statement submitted by E. E. Lewis, Incorporated for Croff Oil Company.  

We have been advised to deduct the amount due on Settlement No. 11508 on the next shipments from E. E. Lewis. We hope this meets with your approval.  

Yours very truly,  

[Signature]  
Office Manager  

DECLark/FPDeI/ah  

cc: Croff Oil Company  
E. E. Lewis, Incorporated

cc Selfridge, Chief, Division of Field Operations, OME (2)
April 13, 1961

Croff Oil Company
407 Kearns Building
Salt Lake City, Utah

Re: Docket No. DMKE-2446
Contract No. IIM E445
Boomersag Mining Company
(Corpusite Mine)
Grand County, Utah

Gentlemen:

On February 14, 1961 I forwarded you at 309 Crandall Building, Salt Lake City, Utah, a copy of the Report of Royalty Review on the subject contract. This Report of Royalty Review was returned to this office marked "not here" so I then sent it to Maxwell Bentley, Box 641, Moab, Utah and since the letter was not returned. I presume that you received it from your attorney, Mr. Maxwell Bentley.

If I do not receive the $7.87 due the Government for past due royalty before May 15, 1961, I will have no recourse but to refer the matter to our Washington office for such action as they deem necessary to protect the Government's interest.

Yours very truly,

[Signature]

Hugh M. Connors
Acting Field Officer, OME
Region III

HMC/Im
cc Chief, Division of Field Operations, OME (2)
with copies of Latimer's letter (2)
and my reply to Latimer Royalty Corres E445
Chron
April 13, 1961

Mr. Royce R. Latimer
Sunnay Mining Co., Inc.
P. O. Box 897
Mesa, Utah

Dear Mr. Latimer:

Thank you for your letter dated April 11, 1961 which gave me the new address of the Croff Oil Company.

I sincerely hope that fortune smiles on you and yours in all of your mining ventures.

I will be happy to show you my air photo of the LaBelle mountains taken from a point south of Gateway, Colorado and if you like the photo maybe we can have it copied.

Yours very truly,

Hugh M. Comors
Acting Field Officer, OME
Region III

HMC/1m
cc Chief, Division of Field Operations, OME
Royalty Corres E445
Chron
April 11, 1961

Mr. H. M. Connors
Office of Minerals Exploration
Federal Center
Denver, Colorado

Dear Mr. Connors:

A few weeks back I got your letter asking for Croff Oil Co. address. It is 407 Kearns Building, Salt Lake City, Utah. Mr. Maxwell Bentley is their attorney and an officer in the corporation. Mr. W. D. Nebeker is the President (brother-in-law to Max Bentley) and is otherwise associated with Wooley Investment Co.

I surely apologize for the delay in writing you, but I was just leaving on a trip, and things really got behind in the office when I returned. And I have had a couple of other short trips since.

Betty and I haven’t received our lease back on the Corrusite Mine as I told you on the phone when I was in Denver. But we keep hoping. We have been told we were to get it but there are still a few flies in the buttermilk.

This certainly is not mining or drilling weather, but I seriously hope to apply for some Exploration assistance this summer and hope for the best to keep shipping after April 62. It may be folly to some to keep plugging right up to the deadline on the buying program, but we have too much of an investment (besides money) to walk away. Our reserve allocations are not as good as I would like (they have been trimmed down to nearly nothing) but perhaps some change in policy could occur.

Hugh, if you get over this way, or need any help on information I’ll sure do my best for you.

Sincerely,

Royce R. Latham

[Signature]
March 15, 1961

Mr. Royce Latimer
P. O. Box 897
Moab, Utah

Re: Docket No. DMEA-2446 (Uranium)
Contract No. UDM 445
Beamereng Mining Company
(Cervusite Mine)
Grand County, Utah

Dear Mr. Latimer:

A letter, which I had written to the Croff Oil Company, 309 Crandall Building, Salt Lake City, Utah, has been returned marked "not here".

If you have any information concerning the location of the Croff Oil Company or the present owner of the Cervusite Mine, will you please advise me.

A franked, self-addressed return envelope is enclosed for your convenience.

Yours very truly,

[Signature]

Enclosure

HMC/Im

cc Chief, Division of Field Operations, OME
Royalty Corres E445
Chron
Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D.C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Docket No. DMEA-2446 (Uranium)
Contract No. Idm-2445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah


Hugh M. Connors

Attachments

HMC/1p
cc Chief, Division of Field Operations OME (2)
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. E445
Chron
CROSS REFERENCE

DMEA-2446, Idm-E445, Boomerang Mining Company (Corvusite Mine).


Attachment: Memo dtd 2/7/61 by Mr. Soller to Director of Inspection. Marked "Nonsecurity Confidential"

Filed in Director's safe in folder marked "George C. Selfridge - Confidential."

Copy to: Docket DMEA-2446
E. D. Talbert, CA&A Division
Building 20 - Federal Center
Denver 25, Colorado

February 14, 1961

Croff Oil Company
309 Crandall Building
Salt Lake City, Utah

Re: Docket No. DHEA-2446 (Uranium)
   Contract No. Idm-E445
   Boomerang Mining Company
   (Corvusite Mine)
   Grand County, Utah

Gentlemen:

Enclosed is a copy of the Report of Royalty Review on the subject
contract dated February 9, 1961 covering the period July 3, 1957,
through July 20, 1960.

You will note that $7.87 is the balance of Royalty due the
Government.

May we look forward to your prompt payment to this office of the
$7.87 due the Government to bring the royalty account into balance.

Yours very truly,

Hugh M. Connors
Acting Field Officer, OME
Region III

Enclosure

Chief, Division of Field Operations, OME (2)
E. D. Talbert, Acting Chief
   Contract Administration and Audit Division
Royalty Corres E445
Chron
Memorandum

To: Acting Field Officer, Region III

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-2446 (Uranium)
Boomerang Mining Company
Corvusite Mine
Grand County, Utah
Contract Idm-5445

Attached are the original and two copies of a Report of Royalty Review on the subject contract. Although you executed a MME Form 22, Check Sheet of Examining Engineer, on July 20, 1960, completion of this report necessarily was deferred until completion of the investigation of the alleged theft of ore.

If you concur in the facts stated in this report, distribution should be made as follows:

(a) Original of the report to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.;

(b) One copy to the Croff Oil Company, 309 Crandall Bldg., Salt Lake City, Utah; and

(c) One copy for your file.

As evidence of your concurrence, a copy of your letter transmitting the Croff Oil Company's copy should be furnished to this Division. Furthermore, it is suggested that the transmittal to Croff Oil Company include a request, on the basis of its Undertaking Concerning Royalty, for prompt payment of the $7.87 due the Government.

If for any reason you do not concur in the review findings, the original and both copies of the report should be returned to this Division with your comments.

Attachments

EDTalbert/ama
February 9, 1961

Copy to: Docket
Director's Reading File
CA & A Division
Mr. Rothrock
Memorandum

To: Director of Inspection

From: Acting Director, Office of Minerals Exploration


Thank you for the copy of the comprehensive subject report by Ivan L. Kastner made available for our perusal. Its conclusion removes any doubt that royalty is due the Government.

As requested, I am returning the copy of the report.

(signed) FRANK E. JOHNSON

Attachment
GCSelfridge/hb (1/27/61)
Copy to: Docket DMEA-2446
Director's File
Director's Reading File
G. C. Selfridge
Nonsecurity Confidential

Memorandum

To: Acting Director, Office of Minerals Exploration

From: Director of Inspection

Subject: Case No. 1961-20 (D. I. 1871). Investigation of alleged theft from the Corvusite Mine, Grand County, Utah, of ore subject to Government royalty under a DMEA Exploration Contract

Herewith referred for your review and such comment as you consider appropriate is a copy of the subject report of investigation.

Except for the suspicions expressed by the complainant Latimer, the investigation adduced no indication whatever that thefts of ore from the Corvusite Mine had occurred with result of loss of royalty to the Government. One individual, Lester Sage, implicated in Latimer's testimony, was not interviewed because of the indefiniteness of his whereabouts. In view of the negative import of other investigative developments it was not deemed in the Government's interest to incur substantial additional expense in an effort to locate Sage.

A copy of the investigative report is also being referred to Mr. Charles Soller now Assistant Solicitor, Branch of Mineral Defense Activities. It was from Mr. Soller, in his former capacity of Associate Solicitor, that this matter was referred to the Division of Inspection. DMEA files were also referred by Mr. Soller at that time. They are being restored to him with the copy of the investigative report.

You are requested to return the investigative report herewith made available for your review and comments.

Attachment
September 1, 1960

Mr. Wayne Latimer
P. O. Box 897
Mead, Utah

Re: Recket No. D336-2446 (Uranium)
Contract No. Wm-1495
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Dear Mr. Latimer:

Thank you for your cooperation to me on my recent trip to Mead.

Attached is the letter to you from the firm of Morgan & Payne dated April 25, 1960 which I promised to return. Also enclosed is the information you requested on the OME Program. Should you have further questions regarding the OME Program, please feel free to call on me.

Yours very truly,

`Original signed by`

Hugh M. Casmere
Acting Field Officer
OME, Region III

Enclosures
HMC/Lm
cc Chief, Division of Field Operations (2)/
    Royalty Corres. E445
    Chron
Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Semiannual Report of Certified Project for the period December 31, 1958 through July 18, 1960
Docket DMEA 2446 (Uranium-vanadium)
Contract Idm-E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Enclosed are the original and two copies of the subject report.

[Signature]
Hugh M. Connors

Attachments
Interim Report of Certified Projects

**Reporting Period**: December 31, 1958 through July 30, 1960

**Docket and Contract Number**: DMEA 2446, Contract Dm E-445

**Operator**: Boomerang Mining Co. to Croff Oil Co.

**Commodity**: Uranium & Vanadium

**Mine Name**: Corvusite Mine

**County and State**: Grand County, Utah

**Date of Contract**: November 4, 1952

**Date of Certification**: November 2, 1953

**Expiration Date of Royalty Payments**: November 4, 1962

**Date of Examination for this Report**: July 18, 1960

**Total Amount of Contract**: $24,117.60

**Total Expenditures under Contract**: $23,820.08

**Amount of Government Participation at 90%**: $21,438.07

<table>
<thead>
<tr>
<th>Royalty Payments this Period</th>
<th>$237.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous Royalty Payments</td>
<td>$7,969.61</td>
</tr>
<tr>
<td>Total Royalty Payments to Date</td>
<td>$8,206.61</td>
</tr>
<tr>
<td>% Loan Repayment Completed</td>
<td>38.28%</td>
</tr>
</tbody>
</table>

**Amount of Royalty Due**: none

**Royalty Remarks**: E. E. Lewis, Inc. have a mining contract on the property and plan to do some exploration drilling. There are at present no known ore reserves.

Signature: Hugh M. Connors
Acting Field Officer, OME, Region III
September 1, 1960

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D.C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Docket No. DMEA-2446 (Uranium)
Contract Idm-E445
Boomerang Mining Company
(Corvusite mine)
Grand County, Utah

This has further reference to your memorandum of August 15, 1960 and
the memorandum from the Solicitor dated August 12, 1960 on the
subject contract.

On August 30, 1960 I visited Mr. Royce R. Latimer at his residence
which is located in the basement of an office building located at
164 South Main Street, Moab, Utah. He is still not listed in the
Moab telephone directory and it still amazes me how the Solicitor
came up with a telephone number AL 3-5976 which is installed in
Mr. Latimer's residence but charged to an oil company.

Mr. Latimer had previously prepared some data to submit to an
attorney who he hoped would take his case to court. He gave me
copies of this information which are attached, together with a
supplement addressed to me containing information which I thought
would be of more interest to the Government.

Hugh M. Connors

Attachments

Royalty Paid - $8206.61 to July 13, 1960
Total Gov't participation $2,448.67
February 6, 1960

Mr. J. Rulon Morgan, Attorney
J. Morgan & Payne
Provo, Utah

Dear Rulon:

I have had many interruptions in preparing the notes included herein, relative to your building a suit against J. F. Martin, dba Crown Mining Co. and Croff Oil Co. of Salt Lake City. If you will really go in to win this thing it will scare the very heck out of these people and I think some possible criminal charges could come about through things we would uncover.

Now, if you will take this on a contingency basis for us, there is no doubt that Croff and Martin have some money and some very valuable properties which could be attached or gained in a suit if we win. I had just as soon ask for $25,000.00 or more, actual damages and a much larger figure in punitive damages against reputation and ability to operate the company. We would have very good witnesses in George J. Blake, Rex Lockwood, Tony Trujillo, and several others that I can recall or discuss with you.

I am enclosing (1) 10 pages of notes; (2) Memorandum of Agreement between Martin and Beers; (3) Agreement, Martin-Beers; (4) Articles of association of Sunray Mining Co.; (5) Correspondence relative to early acquisition of the Corvusite; (6) Letter to Foster Sage who was operating the Corvusite; (7) Martins radlock of tool shed and warning not to enter prior to giving us notice; (8-A) Dissolution of Partnership, before incorporating in Utah. (I do not have Corporate by-laws papers and minutes in Moab, but Howard Clinger has a set, and Albin Anderson in Grand Junction still has the originals; (8) Memo of agreement of Beers to sell his stock to Blake; (9) Notice of termination of Mining Lease to Sunray; (10) By answering comments.

We have other things in the files which you will undoubtedly need later on, but please let us hear from you as soon as possible if you can help us.

Very sincerely yours,

Sunray Mining Co., Inc.
Royce R. Latimer, President
The Corvusite mine, located on Beaver Mesa, Grand County Utah, was obtained by purchase agreement of a lease from James F. Martin to Sidney J. Beers.

S. J. Beers assigned this lease into the partnership which preceded the Corporation.

As it was not the policy of Sunray Mining Co to hire its own labor, this was subleased to several third parties over a period of time, which was in accordance to rights under the lease. These various sublessors were supposed to have been under the supervision of S. J. Beers, partner. Production varied from 50 to 120 tons per month approximately, until September of 1958, when the grades suddenly dropped too low to make a profitable operation. In trying to keep our lease valid some development work was done at company expense. During the next three months and on into winter, some evidence of hijacking of what little high grade was discovered, but I was unable to catch anyone in the act or inquire as to the identity for sure, even though I had some pretty good ideas.

When winter finally made operations impossible nothing more was done except to try to sublease again since the mine had merit and new reserves were most of a certainty to find with the right effort applied.
Mr. Beers did not believe in exploration and it was apparent that the mine needed drilling, which I tried to raise money for but did not have the cooperation of Beers in consumating any workable agreement. All during this time I had never met James Martin. All negotiations were through Beers.

In 1959 however, Beers put a price on his stock to be bought out and resign from Sunray Mining Co., Inc. This was exercised by Mr. George J. Blake, of Moab, Utah, who was present at the meeting of Mr. & Mrs. Beers, myself, at Albin Anderson's office in Grand Junction. An agreement was reached with Beers and the purchase of his stock was made in an Escrow Agreement through the attorney Anderson. Anderson owns and has issued 1 share of stock in this company. Concurrently at this meeting, J. F. Martin was desirous of meeting with us, and due to the fact Beers was selling out, he would give us some new terms on the Corvusite lease and a new lease to be made in the name of Sunray Mining Co., Inc. Martin was not pleased with the performance of Beers and knew that my hands had been more or less tied in trying to do anything with it.

Martin accepted $400.00 cash payment on the new contract, and I had obligated myself and the company to commence retimbering, pumping inclines, cleaning up the mine and inaugurating a drill program, with the ultimate goal of efficiently putting the mine back to a good producing status. This was a big task, but on my geologic opinion and in view of the past production history it was
more than a good risk. Martin made several trips to the mine to show me places of ore that supposedly he had tested and would allow some ore to be produced during the general cleanup and renovation of the mine. Overhauling of the equipment was necessary and nearly $3000.00 was the cost of just repairing the compressor.

During this time of immediate renewed activity, two of three shipments made to Union Carbide at were not paid for because of substandard grade in total values. Quite a bit of conferences with the mill took place because of this situation because the controls of ore within the mine tested much higher than the total assay given by the mills. This is perhaps irrelevant but it did deprive us of income that could have defrayed the overall cost we were going to. Mr. Martin was aware of these facts and encouraged us to keep spending and for the time being to forget payments to him for the equipment, and to keep the payroll and supplies coming in. Every pound of ore was hard to find and the new reserves were a necessity in very short order so drilling from the surface was commenced. Mr. Blake at this time was having family difficulty over his venture into the mining so to keep from making a bad situation worse he had to withdraw his support from us and had to seek finance elsewhere. Betty and I borrowed the money to complete the stock sale to Mr. Blake, and he assigned his interest to me, for all the stock he was purchasing, from Beers.
The Drilling Program was commenced on , by London & Johnson, Contractors of Naturita, Colorado. Up to this time much difficulty was experienced in finding suitable labor of the calibre wanted, and repairs to machinery, pumping, and making the mine generally safe were foremost, since some drilling information of a positive nature could alter planning of new proposed development tunnels. Several holes of favorable and semifavorable information were obtained, and there was general optimism expressed by anyone who saw the operation, including Martin who was up to this time very pleased, and complimentary of the efforts being expended, and of the results being obtained. An underton was interjected at this time through Bob London who wanted the operation for himself and tried to his best ability to test the integrity of Martin's relations with me. Martin to some degree protected Sunray by putting London on the basis of dealing with me if any sub contracts were to be had at a future date, depending on the outcome of the drilling in progress. I did quote London a proposal which was very fair if he wanted to deal with us. However, Martin made some deals with London involving another property of his on Tenderfoot Mesa, which I interpret now as a delay or wait and see of what would develop. As drilling continued, more holes in ore were being drilled in several places, now that I had been able to surmise the possible channel meander. London however was giving orders to his drillers for locations other than what I had staked and
being a very easy bearing nature did not make an issue out of it. I tried and did not divulge to anyone the results of the cores being taken but through information given out by London or his drillor, several people called us about the big orebody that had been drilled out and would we consider giving a mining contract. This I discussed with Martin who advised me to refer all calls to him and I guess the temptation was too great after so long a time. My overall but unofficial estimate was that two to three million dollars in ore values were indicated and a new ore body was discovered on a different claim and figured this was sufficient to keep us shipping for the duration of the lease which expired in 1963, or at least for some time to come and development to this new ore was best to commence planning and setting up for production of 1000 tons a month(within two to three months.)

After I had compiled a survey and drill map of the results, I gave the map to Martin who wanted to show it to Croff Oil Company in Salt Lake City. In all my experience in Oil & mining company exploration such efforts and good fortune should be commended and the cost up to this point had been very high considering that we had to borrow and use our credit entirely, but this was not the case. Even though, I point bank asked Jim Martin in Crescent Junction if he were going to put us off the mine in view that we had been unable to pay him during the exploration and development just completed. He said No. I would not
put you and Potty off. Later in the stage of developments he altered what he had said when I brought this to his attention and he said or added "if I can help it" which is outright lying or perjury. The facts are that up to this point we were not pressed or notified or had any reason to believe we were in default except no agreement or lease had ever been drawn up setting forth any terms to Sunray Mining Co. Inc. In fact Martin up to this point kept encouraging us to keep going in debt and also telling us that "in 30 days, or a short time I will be able to help you kids financially" many times. He also issued that statement and many others to two of our miners on the Properties, who work for Recla Mining Co. In fact, these men were under the impression he was really going to lend us some capital or help us get additional machinery to handle large tonnages.

After Martins return from SJC we had communication from him to meet him in Grand Junction. To my recollection it was on a Saturday we met him at the Cafe Caravan with Mr. Anderson who was attorney for Martin as well as for Sunray Mining Co., Inc. However, he advised us that we were on our own in this case and we were both "over 21" and he was Martins counsel. It was somewhat less than a business atmosphere. In essence, it was both of
their suggestions that we Bankrupt the corporation, and Martin would give us a royalty on gross production and would also furnish enough other consulting work to give a nice income of about 1000 to 2000000 per month. It was absurd and I could not conceive such advice. I related we had too many creditors, that had extended credit to the corporation strictly on the good reputation we enjoyed, and they had demonstrated confidence in our ability as well as our word.

This took place in October and was the beginning of pressure and duress on Martin's part including conjured up threats to sue us for damages and uncalled for displays of temper in a reasonable negotiation. Up to this time I had believed in Jim Martin as a man of his word and of honor. This apparently proved me wrong. We were notified verbally that we were in default and that he wanted possession of the mine. If not, Max Bently had said he would draw up a 25,000.00 damage suit the next day. During the last two weeks of October and during hunting season we sought other legal counsel which was very lax and not interested in helping us. On about the 25th day of October I had found a person who would lend me the 9,600.00 cash for a percentage of the production and repayment of the loan. This was offered to Martin and he refused, muttering that he had already made a deal. Up to this time no written notice had been given, but Anderson was preparing the demand for possession of the property. Also prepared was a royalty agreement which had to be signed with a release of the property whereby we would be paid
at the rate of 5% of gross production until a sum of 6,000.00 plus the drilling costs, and then the royalty would be reduced to 2% until February 1962. (these dates are from memory.) In showing these to the attorney he advised to take it, and in so doing would place us in a position of some voice as a royalty owner if production and overall operation were not of what it was represented or should be according to the tonnages I knew to exist.

I showed this agreement to the other stockholders in Joab, and their opinions were that it was an insult, but under circumstances we were not in a position to go through a long suit or tie-up of production etc., and still keep operating and paying salaries. So the release and the royalty agreement were signed simultaneously, and returned for Martin's signature.

To this day the royalty agreement has never been returned to us or acknowledged, even though I have sent three different letters over a period of time to Martin requesting it. On December 26, 1959 he mailed the reply herewith attached with the obvious intent not to ever pay us a royalty, which we should have been collecting since November 1959.

It is my belief we have been defrauded and taken unfair advantage of. The loss of income that would have been forthcoming has prevented us from paying our debts incurred as a result of the improvement to the property; costs which could amount to $13,000.00 overall, including the inability to pay state and federal taxes on employment and
corporate franchise taxes, etc.

Additional comments which in this resume are not entirely in chronological order.

1. At the mining Cabin at my last meeting with Martin about October 29 or 30th, 1959, we were discussing the hijacking element that had been done during Beers attention to the mine. He asked my opinion of how much royalty (which was 15% to Croff) should have been paid on the shipments I know of. I related 500.00 to 1,000.00. He said "I thought so." "It shows to be closer to 6,000.00 on the books of Croff" and that he knew of at least 16 to 19 truckloads that should have been reported." Indicating a gross production of 50,000.00 to 70,000.00 during the time of assignment into the Sunray Mining Co. and possible embezzlement on Beers part. This is a problem for the FBI or the treasury department which I have not reported officially but do intend to.

As a result of this information Betty ordered 1,000 shares of Croff Oil Co. Stock from a broker in SIC on a buy order at 55.00 including commissions and fees. This was a firm sale but to date has not been delivered or even replied to. It was the intention as a stockholder to go in with auditors to confirm what Martin had related to us. And it would involve theft of security materials. I can implicate some people on suspicion now. But Martin also indicated that the reason he did not press this angle was because something may be uncovered in an investigation that would show this false information
Page 10, Corvusite notes

given to the Federal Government in payments to D.M.A, bonuses, etc.

It was also known, that a Mr. Lester Sage came in to about 8,000.00 to repay Mr. Beers for a loan, during the time that we knew no operators were supposed to have been on the mine. Sage was originally operating the mine when it was assigned into Sunray Mining Co. in 1953 (May). And even though I do not like to believe it was Lester, I do think it could have been his kinfolk or relations connected to Ray Smith or Paul Gramlich and the stocks relations, during or about coincident with the time Paul Gramlich and Skyline Development Company had an operating agreement with us on the Corvusite (Sept. 1953). Paul Gramlich I think could have known what was going on and did not want to be a part of it so he quit the lease on very short notice and would not talk about it.

I believe however, this is the time to commence an investigation of irregularities and possible ore stealing. All that time, Beers had possession of the Company's books in Grand Junction and Betty and I never got a close inspection of them or was allowed to. I think that Martin was in some way connected or tied in to this with Beers and for that reason never said anything about it.

These are facts and my true opinions:

Royce R. Latimer
Comments on the termination of Mining Lease.

1. Wherby he accuses of failing to make payments.

That is discussed in the attached resume, further that he had repeatedly told us to keep the supplies and payroll provided for (until he decided he wanted us off.)

2. No written contract was in effect or had been given to us stating terms of payments and he had by word cancelled the Beers contract actually and in effect when he accepted our $400.00 down payment on the conditions that Beers was no longer associated with Sunray Mining Co., Inc.

3. Such effort was made to try to obtain a copy of the contract between Croff and Martin. However, Beers always had an excuse and Martin said he would obtain one for us but it was always an everything else, either too busy or it slipped his mind.

(a) by true and supported testimony it can be proved the work commitments had been fulfilled.

(b) Repeatedly I had posted the non-liability notices for Croff Oil & Martin, but two occasions found them destroyed or removed by persons unknown. It is possible Martin himself had this done. or Bob London.

(c) There is no insufficient evidence that he can claim this to be the fault of Sunray Mining Co. but whatever had been done, efforts to keep the tunnels, adits, etc. safe were at all times undertaken when needed. Otherwise a technicality is being twisted falsely to our dis-advantage.

(c) The responsibility of Beers to make the reports and his failure to do so was part of his grounds for cancelling Beers off. If Beers had not sold his interest when he did, Martin himself said under no circumstance would he allow us to continue operations, and therefore we were operating under new contract dates.

(f) Martin was well enough aware of what reports were to have been made to Croff, and no report was due. A full report of the drilling was in their possession and if we had in our possession a copy of Martin's lease as we had asked time and again, the report would have been made. Or if a report had been requested, a report would have been made gladly.

In a formal petition I can elaborate. R R L
April 25, 1960

Mr. Royce R. Latimer
P. O. Box 397
Moab, Utah

Dear Royce:

In going over the matter regarding the Corvusite Mine situation to recover damages from Martin, Croft et al., we regret to advise you that we will not be able to handle this matter as we have a number of condemnation matters and other law suits pending which will require all of our attention until fall. I think it would be better for you to have some attorney there at Moab or close thereto handle this matter as it would be less expensive and certainly more convenient for you. We appreciate your confidence in us in this matter, but we will not have the time or attention to spend on this matter that it will require.

We are sending back the papers that you sent to us in connection with this matter. We would appreciate it if you would acknowledge receipt of the same.

How did the situation turn out with Utah Savings and Loan and Clinger? We would appreciate hearing from you as to this matter and as to how the oil situation is developing in the Lisbon area.

Dean joins with me in sending our kindest regards.

Sincerely yours,

MORGAN AND PAYNE

By J. Nolon Morgan

JRM/ks
August 15, 1969

Mr. Maxwell Bentley
4646 Sycamore Drive
Salt Lake City, Utah

Dear Maxwell:

I believe it was meant to be that we would see you in Naturita after being away two weeks and two days from home. It is possible that with your cooperation, the Curvesite matter may be peaceably settled and to Croff's benefit as well as all concerned.

It is quite obvious that Mr. Martin did and with intent defraud Betty and I and has put undue and uncalled for mental, physical, and financial distress. Also Mr. Albin Anderson has violated some of the corporations by-laws in certain negotiations with Jim Martin who he also represents.

Jim Martin in forcefully and under threat put us off the property never intended to give us a royalty to return the mine and property to him even though we executed and signed a Royalty agreement. He made threats that you in particular and Croff had prepared a trumped up damage suit against us in the event we did not sign a release, which every clause in the demand for return of the property was false.

Since that time I have gathered much information about Mr. Martin and this is apparently his pattern of action involving several properties in Utah in the Yellow cat area. Jim made the mistake of talking a lot in front of several people who are witnesses as well as some of the miners we had on the property. His word is no good and neither is his contract.

Prior to our drilling what could be a very large ore-body (which we still owe London & Johnson for, naturally, if the property is returned to us) I would have gone to the end of the world for Jim Martin. Such an about face in his actions and deceit when it appeared the value had increase was hard for either Betty or I to realize, understand or even believe. And perhaps the biggest disappointment is in the greed of human nature.

Betty and I bought out Sid Sears interest for $2,500.00 cash. This was necessary to do any developing of the properties we had. At that time Martin was prepared to cancel the lease unless we did buy Sears interest out. Then Martin agreed to give Betty an I a new lease in our name (which Albin Anderson never prepared for execution). This was on August 1st or close to it, 1959.

We paid Martin $400.00 Cash to bind the new contract and went immediately into remodeling, cleaning up, and renovating
the properties and equipment, as well as purchasing new
pumps, blowers, shop equipment, etc. We also hired our own
labor and I supervised all the underground work as well as
laying out all drill sites and analysis of cores and formation.
During August, September, and October, we expended approximately
$13,550.00 cash not counting the drilling, which is about $5,000.00.
The small amount of ore of questionable grade which was shipped
did not even pay for the hauling, and such development and new
tunneling would be required to get to the new ore divulged by
drilling. I of course believe we did more for the improvement
of the property than had been done in many years. None of the
above expenditure included any wages for my geologic work.

Delbert Hasemyer and Elmer Lee are preparing bills on the equipment
and I guess this includes Croff. However I don't think it has been
fiddled yet. If on the other hand you are going to be as a mediator
in this situation, we will listen to reason. We and several others
have been taken also in this deal, but the real thrust cutting
began with us. On down the line I think we can make some arrangement
to Bob London and Hugo Johnson's satisfaction. I am also personally
acquainted with Bob Cotquit since he
furnished me as a water-truck
driver when I was operating a Seismic crew in Montana, in 1950-51.
But I do think our position and claims have prior rights before
anyone else. The mechanics of working out so many wrong things
is difficult. Further than the civil claims, it appears from
other evidence that some criminal charges may get into the picture,
but that may be out of my hands. I do not share any lenient feelings
toward Mr. Martin in a matter of judgements or anything else. Nor
do I believe the mining game is fair game for anyone to take gross
advantage of others. If those are the rules, then we need some
new rules, or we don't deserve a mining industry.

As I have mentioned, things are open to discussion. Perhaps we
and the others can work something out.

Sincerely yours,

Royce R. Latimer

(F. S.) Would like to see your brochure on Mexico
August 30, 1960

Mr. Conners
Office of Minerals Exploration
Denver Colorado

Subject: Supplement to attached notes relative to Corvusite Mine and ore stealing during 1958-59.

Dear Mr. Conners:

In your request for a direct statement relative to the probable ore stealing the following is offered:

1. On Thanksgiving Day, 1958, there was evidence of unauthorized removal of high-grade Uranium-Vanadium ores from this mine within minutes or an hour of our arrival. (at the mine) several tons at a place in the mine, known previously to have contained substantial high grade ore was gone, as evidenced by the hammers, picks and shovels, and a dynamite odor. (Correction above "the day after Thanksgiving")

2. The relative indifference on the part of a company partner (Mr. Sidney J. Beers) on reporting immediately to him of the observation, to pursue any investigation.

3. The reported notice of entry (illegal) into the property on several occasions, by nearby ranchers and other miners (they thinking the mine was in proper operation) that one or two pickups made fairly regular visits during evening and early morning (before daybreak) trips.

4. A personal statement by James F. Martin directly to me (unfortunately no witnesses) that he "knew of at least 19 (nineteen) loads that had been hijacked during the time Beers had the possession of the property." This naturally was all high-grade and I can only estimate that it would be many thousands of dollars, but due to it being "hot" ore would not bring nearly its value. At least 5% of this belonged to DMEA funds. Martin intimated he did not wish to do anything about it because some other irregularities several years old about Bonus ores may be found out. These probably would
Page two (2) Statement to Mr. Conners

involve Martin's other claims where perhaps he took ore from the corvusite mine and shipped with or for ores of other bonus properties. One could only guess if or not Beers has given part of this money to Martin, if he had known about it as he said.

5. About December, Lester Sage had paid Beers $8,000.00 cash on a trailer-house note, supposedly from the sale of a low-grade waste dump on another claim owned or held by Sage. Even when markets were better, it is known this dump could not be sold, and I do not know which mill bought this dump from Sage.

6. It was almost obvious Beers was backing Sage, contrary to by-laws and agreements of the company, while Beers was still in the Corporation.

7. The above are facts I know to be true, except where an opinion or conclusion is made. It is evident that Both Martin (James F.) and Beers are in fact liars. I am sure there is a better, nicer word such as untrustworthy, etc. But our associations have proven this.

I do solicit and request any aid that the company and its individuals may be worthy of receiving, from any agency that may help us recover the losses and damages we have suffered through dishonesty and related actions of the parties mentioned in this writing. We will cooperate fully on any action.

Sincerely,

Royce R. Latimer
Memorandum

To: Acting Field Officer, Region III

From: Acting Chief, Division of Field Operations

Subject: DMA-2446 (Uranium)
Boomerang Mining Company
Corvusite Mine
Grand County, Utah
Contract Idm=E445

This is with reference to your memorandum of July 25, 1960, relating to alleged theft of ore from the subject property.

The matter was referred to the Office of the Solicitor for review and recommendations as to what further action OME should take. Enclosed is a self-explanatory memorandum, dated August 12, 1960, from Associate Solicitor Charles M. Soller in response.

Will you kindly carry out Mr. Soller's recommendation as soon as convenient and advise this office of the results.

/5/ W. R. Griswold

Enclosures (2)

FMMurphy/gla 8-15-60
cc to: Director's Reading File
Review Committee
Docket
Chron
Code 500
Code 800
Memorandum

To: Chief, Division of Minerals
    Office of Minerals Exploration

From: The Solicitor

Subject: DMEA-2446 (Uranium)
        Boomerang Mining Company
        Corvusite Mine
        Grand County, Utah

In accordance with your memorandum of August 4, 1960, we have reviewed Mr. Latimer's letter of February 15, 1960. Moreover, the matter has been discussed with the Director, Division of Inspection, and with the Deputy Solicitor.

The memorandum of June 25, 1960, from the Acting Field Officer of Region 3, indicates an attempt to locate Mr. Latimer in Moab, Utah. By devious means I have managed to find that as of August 11, 1960, Mr. Latimer was listed on the Moab telephone exchange under the number AL 3-5976. There is no record in the telephone exchanges of Moab, Utah, Grand Junction, Colorado, or Gateway, Colorado, of the Boomerang Mining Company, or of Sunray Mining Company nor are Boomerang or Sunray listed in the Moab exchange. Although the Director of the Division of Inspection is willing to investigate further the somewhat vague allegations of Mr. Latimer in the final paragraph of his letter of February 15, 1960, it would seem proper for your agents to attempt once more to contact and interview Mr. Latimer in Moab. We were unable to find from the Moab operator the address listed in the telephone company's records but that should be available locally.

The file is returned for such further action as may be indicated and as soon as your Field people have made a further attempt to
obtain from Mr. Latimer a more complete statement, the Division of Inspection is willing to carry on from there.

GEORGE W. ABBOTT  
The Solicitor

By:  
Charles M. Sollee  
Associate Solicitor  
Division of Mineral Resources

Attachment
August 4, 1960

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: W. R. Griswold, Chief, Division of Minerals

Subject: DMEA-2446 (Uranium)
Boomerang Mining Company
Corvusite Mine
Grand County, Utah
Contract Idm-E445

Will you kindly review Mr. Royce R. Latimer’s letter, dated February 15, 1960 (marked in the attached folder) and subsequent correspondence on the alleged theft of ore from the subject property. Thereafter, please advise what further action OME should take in this matter.

KM Murphy/gla
8/4/60
cc to: Docket
      Chron
Memorandum

To:        Acting Field Officer, Region III

From:      Chief, Division of Field Operations

Subject:   D MEA-2446 (Uranium)
           Boomerang Mining Company
           Corvusite Mine
           Grand County, Utah
           Contract Idm-E445

This is with reference to your memorandum of July 25, 1960. We concur in your recommendations relating to the alleged theft of ore from the subject property. If more credible information becomes available later, we can then act on it.

FM Murphy/gla
8-2-60
cc to:      Director's Reading File
           Review Committee
           C&A Division
           Docket
           Chron
           Code 500
Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D.C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Docket No. DMEA-2446 (Uranium)
Contract No. Idm-E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Reference is made to your memorandum dated February 26, 1960 on the subject contract.

On July 20, 1960 I attempted to contact Mr. Royce R. Latimer, President, Sunray Mining Co., Inc. in Moab, Utah. Neither Mr. Latimer or the Sunray Mining Company is listed in the Moab telephone directory and the Power and Light Company in Moab have no record of them.

Our records of production from the property checks with the AEC records in Grand Junction.

The Corvusite Mine is idle at present but E. E. Lewis, Inc. have a mining contract on the property and expect to start exploration drilling before August 1, 1960. There are at present no known ore reserves on the property. This information was given me by Mr. John Peeso, partner of E. E. Lewis, Inc.

It is recommended that the matter of the alleged theft of ore be dropped, at least until such time as some definite proof of theft is submitted.

Hugh M. Connors

Hugh M. Connors
July 25, 1960

Craft Oil Company
509 Crandall Building
Salt Lake City, Utah

Re: Docket No. LRM-1446 (Uranium)
Contract No. L&M-1445
E khác k CHING company
(Comusite Mine)
Grand County, Utah

Gentlemen:

We understand that E. E. Lewis Inc., P. O. Box 1431, Grand Junction,
Colorado has a mining contract from you on the captioned property.

Will you please forward this office two copies of your agreement
with E. E. Lewis Inc. regarding the operation of the Comusite Mine.

Yours very truly,

Original signed by

Hugh M. Comares
Acting Field Officer
OEM, Region III

EHC/1m
cc: Chief, Division of Field Operations (2)
Royalty Corres. F445
Chrom
Memorandum

To:      J. E. Talbert, Acting Chief
         Contract Administration and Audit Division
         Washington 25, D.C.

From:    Hugh M. Connors, Acting Field Officer, GEM, Region III

Subject: Document No. EMA-2946 (Revision)
         Document No. EME-4445
         Neuman Mining Company
         (Carvansite Mine)
         Garfield County, Utah
         Report of Royalty Review

Enclosed is the original and one copy of the check sheet for
Contract EME-4445 which was requested in your memorandum of
June 8, 1960.

Original signed by

Hugh M. Connors

Attachments

BMC/1x

cc:      Chief, Division of Field Operations (2)
         Royalty Corres. B445
         Chronic

July 25, 1960
June 14, 1960

Memorandum

To:  H. R. Talbert, Acting Chief
     Contract Administration and Audit Division

From:  Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Reports of Royalty Review

Enclosed is an original and one copy of the check sheet of Examinining Engineer for all the contracts listed in your memorandum of June 8, 1960, except Item 5449. 

Some doubt exists concerning the Boomerang Mining Company operation and an inspection of this property is tentatively scheduled for next week.

Original signed by

Hugh M. Connors

Enclosures

cc:  Chief, Division of Field Operations (2)
     H. M. Connors
     Contract Corres. E445
     Chron

HMC/Im
Memorandum

To:      R. E. Talbert, Acting Chief
          Contract Administration and Audit Division

From:    Hugh M. Connors, Acting Field Officer, OSR, Region XIII

Subject: Reports of Royalty Review

Enclosed is an original and one copy of the check sheet of
Resuming Engineer for all the contracts listed in your memorandum
of June 8, 1960, except Dim #45.

Some doubt exists concerning the Murray Mining Company operation
and an inspection of this property is tentatively scheduled for
next week.

Original signed by

Hugh M. Connors

Enclosures

cc: Chief, Division of Field Operations (2)
    H. M. Connors
    Contract Corres. #45
    Chron

BEC/1m
Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA-2446 (Uranium)
Contract No. Idm-E445
Boomerang Mining Company
Corvusite Mine
Grande County, Utah

Reference is made to your memorandum of March 29, 1960, regarding an on-site inspection of the subject property.

It may be possible to inspect the property the latter part of April or the first part of May; however, definite plans cannot be formulated until we are informed as to the extent of personnel available for such work subsequent to April 18, 1960.

J. W. Townsend
Memorandum

To: Executive Officer, OME Field Team, Region III

From: Acting Chairman, Operating Committee, OME

Subject: Docket No. IMRA-2446 (Uranium)
Boomerang Mining Company
Corvusite Mine
Grand County, Utah
Contract No. Idm-E445

This is with reference to your memorandum of February 18, 1960, and our reply of February 26.

Will you kindly advise this office the approximate date on which an inspection of the subject property will be made.

W. R. Griswold

APPROVED:

P. F. Yopes
Member, Bureau of Mines

Harold Kirkemo
Member, Geological Survey

FMMurphy/gla
3-29-60

cc to: Director's Reading File
Operating Committee
Docket
Code 500
Chron
Memorandum

To: Executive Officer, OME Field Team, Region III

From: Chairman, Operating Committee, OME

Subject: Docket No. DMEA-2446 (Uranium)

Boomerang Mining Company
Corvusite Mine
Grand County, Utah
Contract No. Idm-E445

Your memorandum of February 10, 1960, and enclosures relating
to the subject property are acknowledged.

We note in your letter of December 11, 1959, to Sunray Mining
Company, Inc., that you requested copies of its lease. Under
the subject contract form, we do not have the right to demand
such agreements; however, we can ask that they be submitted as
a courtesy.

The Field Team should not initiate any formal action in the
matter of the alleged theft of ore at this time. It is
suggested that during the inspection in conjunction with the
interim report, it might be possible to obtain information
pertinent to the matters mentioned in Sunray's letter of
February 15, 1960, to you. After all the data are made
available to this office, we will then make a decision on
future procedure.

Our legal staff is still reviewing the New Idria case (DMEA-4822,
Idm-X1181) of alleged theft. We will advise you on this docket
when their review is submitted.

George C. Selfridge

APPROVED:

P. F. Yope$ 2-25-60

Member, Bureau of Mines
Harold Kirkemo

Member, Geological Survey

cc to: Director's Reading File

Operating Committee
CA&A Division
Code 500
Docket
Chron

43603
Memorandum

TO: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Docket DMEA-2446 (Uranium), Contract No. Idm-E445, Boomerang Mining Co (Corvusite Mine) Grand County, Utah

Enclosed are the original and two copies of a letter from Sunray Mining Co., Inc., dated February 15, 1960, and two copies of our reply.

If it later develops that the facts warrant government investigation of the alleged theft of ore, which may result in court action, it is recommended that the matter be turned over to the proper investigating agency. It is probable that it would be necessary for this agency to provide a mining engineer to assist in the investigation for advice on mining matters.

A routine inspection of the record of production from the subordinated land will be made at an early date in conjunction with the interim report of certified project.

Please advise if we should take any action in the matter of the alleged theft of ore before more conclusive information is obtained from the Sunray Mining Company.

J. W. Townsend

Enclosures
Building 20 - Federal Center  
Denver 25, Colorado  
February 19, 1960

Mr. Royce R. Latimer, President  
Sunray Mining Company, Inc.  
P. O. Box 897  
Moab, Utah

No: Docket No. EMIA-2346 (Uranium)  
Contract No. EM-N-445  
Bonneville Mining Company  
(Corvevi Mine)  
Grand County, Utah

Dear Mr. Latimer:

Receipt is acknowledged of your letter of February 15, 1960  
and the enclosed check in the amount of $3.00, constituting the  
balance of royalty due the government on Liquidation No. 5041.

The other matter discussed in your letter will be held in con-  
fidence; however, it is necessary that your letter be forwarded  
to our Washington Office for instructions.

Before this agency can take any action in the matter, it is  
necessary that we be acquainted with all facts at hand.

Very truly yours,  
Original signed by  
J. W. TOWNSEND

J. W. Townsend  
Executive Officer, OCE  
Field Team, Region III

JWT:ms

cc: Chem Op. Comm (2)  
Royalty Corres  
Reserves  
Chrom
February 15, 1960

Mr. J. W. Townsend
Executive Officer, OME
Field Team, Region III
U.S. Dep't. Interior
Bldg. 20-Federal Center
Denver 25, Colorado

Dear Mr. Townsend:

Please accept my apology for the long delay in remitting the amount due $8.03, for overpayment on Liquidation No. 5041. Herewith enclosed is our check in that amount.

At this time, I should advise you that we were put off this property under duress in October, 1959. At this company's expense commencing August, 1959, I conducted a drilling program for more reserves, and also did a great amount of development, tunneling, repairing, etc.

Results from drilling were that an estimated 11,000 tons of recoverable ores were discovered by our efforts, which included a new commercial orebody on the Uranthah group, northeast of the Bonanza claims where mining was going on.

It is quite a complicated affair at this point since the company has had no way to recover the cost it put forth in improving the property, which actually was borrowed money. However, certain facts which involve ore stealing did occur during the time our company operated it (Corvusite Mine) from the date of February 1958. I can only connect certain parties involved at this time, but I believe I can give enough information for an investigation which I believe should be made. I hope that an attorney will see fit to take our case in trying to recover damages but at this time no petition has been filed. It is just possible that the ore stealing would involve the present owners of the property as well as Crown Mining Co. or our former partners, who are now no longer in the corporation. May I ask you to keep this confidential at this time except to perhaps help me contact the proper authorities who may investigate further.

Very sincerely yours,

Sunray Mining Co., Inc.
Building 20 – Federal Center
Denver 25, Colorado
February 12, 1960

CERTIFIED MAIL
SUNRAY MINING Company, Inc.
P. O. Box 897
Moab, Utah

Re: Docket No. DMEA 2446 (Uranium)
Contract No. Iam-5445
Boomerang Mining Company
(Corvusite mine)
Grand County, Utah

Gentlemen:

Our letter to you dated December 11, 1959, requested two copies of the agreement conveying the interest to you in the captioned property.

On January 11, 1960, we wrote you and asked that you forward this office your check for $6.03, the balance of royalty due the Government on Liquidation No. 5041.

We have not received a reply to either letter. Will you please advise.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

[Chall # 32]

$ 503
Building 20 - Federal Center
Denver 25, Colorado
February 12, 1960

CERTIFIED MAIL
Sunray Mining Company, Inc.
P. O. Box 897
Moab, Utah

Re: Docket No. BEMA 2446 (Uranium)
Contract No. 1dm-2445
Boomerang Mining Company
(Corvusite mine)
Grand County, Utah

Gentlemen:

Our letter to you dated December 11, 1959, requested two copies of the agreement conveying the interest to you in the captioned property.

On January 11, 1960, we wrote you and asked that you forward this office your check for $8.03, the balance of royalty due the Government on Liquidation No. 5041.

We have not received a reply to either letter. Will you please advise.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

E.M.C.:ltm

Roy. Corres. B445
Chron.
Building 20 - Federal Center
Denver 25, Colorado
January 11, 1960

CERTIFIED MAIL

Sunray Mining Company, Inc.
P.O. Box 897
Moab, Utah

No: Docket No. BMEA 2446 (Uranium)
Contract No. Lm-E445
Boomerang Mining Company
(Corvaita mine)
Grand County, Utah

Gentlemen:

This has further reference to our letter to you dated November 30,
1959, regarding Liquidation No. 5041, representing the sale of ore from
the Romana No. 2 claim.

We now have three copies of the settlement sheets on Liquidation
No. 5041, and the correct tabulation is as follows:

<table>
<thead>
<tr>
<th></th>
<th>Net Dry Value</th>
<th>Per Ton</th>
<th>Royalty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Liquid No.</td>
<td>Value</td>
<td>Earnings</td>
</tr>
<tr>
<td>---</td>
<td>------------</td>
<td>---------</td>
<td>-----------</td>
</tr>
<tr>
<td>5041</td>
<td>$550.96</td>
<td>$26.39</td>
<td>5% $27.55</td>
</tr>
</tbody>
</table>

Please forward this office your check for $3.03.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

BMC: ltm

cc: Chem Op Comm (2)
Roy. Corres. E445
Chron.
Building 20 - Federal Center  
Denver 25, Colorado  
January 8, 1960

Mr. J. L. Maylor, Office Mgr.  
Lucius Pitkin, Inc.  
Western Uranium Project  
P. O. Box 1351  
Grand Junction, Colorado

Re: Docket No. EN-6244 (Uranium)  
Contract No. EN-2445  
Boomerang Mining Company  
(Corvusite Mine)  
Grand County, Utah

Dear Mr. Maylor:

Thank you for the settlement sheets forwarded by your letter of January 6, 1960.

The lands subordinated under the referenced contract, production from which is subject to royalty payments to the Government, consists of the Bonanza claims No’s 1 and 2, Uranambah claims No’s 1 and 2, and Grandco claims No’s 1, 2 and 3. The property is known as the Corvusite mine.

Very truly yours,

Original signed by

J. W. Townsend  
Executive Officer, CNS  
Field Team, Region III

JWT:1tm

Roy. Corres. EN-445  
Sus.  
Chron.
Building 20 - Federal Center
Denver 25, Colorado
January 4, 1960

Dacius Philbin, Inc.
Western Uranium Project
Grand Junction, Colorado

No: Rockel No. BMU 2446 (Uranium)
Contract No. 1AM-2445
Boomerang Mining Company
(Corvasite mine)
Grand County, Utah

Gentlemen:

We are in receipt of a check for $19.52 from the Boaray Mining Company which they state is the amount due the Government for royalty on Liquidation No. 5041 (Trial shipment from Corvasite mine).

To complete our records, it is necessary that we have three copies of the settlement sheet for Liquidation No. 5041. Will you please forward this office three copies of the settlement sheet for Liquidation No. 5041.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

EMC:ltm

Roy. Corrêes.
Chron.
Susp.
Building 20 - Federal Center
Denver 25, Colorado
December 11, 1959

CERTIFIED MAIL

Sunray Mining Company, Inc.
P. O. Box 897
Moab, Utah

Re: Docket No. IDMA 2446 (Uranium)
Contract Lm-445
Boomerang Mining Company
(Corrusite mine)
Grand County, Utah

Gentlemen:

In our letter of November 30, 1959, we requested that you forward this office three copies of the settlement sheet for Liquidation No. 5041.

Will you also please forward us two copies of the agreement which gives you the right to mine and remove ore from the captioned property. We have copies of the mining lease between the Croff Oil Company, Lessor, and Crown Mining Company, Lessee, but we have nothing to show how Sunray Mining Company, Inc. obtained their interests in the property.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

E&M: ltm

Roy. Corres. E445
Chron.
Mr. Frank E. Woodard, Partner
Boomerang Mining Company
P. O. Box 52
Grand Junction, Colorado

Re: Docket No. DMEA-2446 (Uranium)
Contract No. Idm-E445
Corvusite Mine
Grand County, Utah

Dear Mr. Woodard:

We have recently received the executed copies of the instrument entitled "Undertaking Concerning Royalty," which was forwarded for execution to Croff Oil Company through you. Enclosed is the Operator's copy for your records. We are informed that this instrument is recorded in Book 87 at Pages 418 to 420 Entry No. 284715 in the Office of the Grand County Recorder at Moab, Utah.

Sincerely yours,

C. O. Mittendorf (/)
Administrator

Enclosure
MChing/gla
12/10/57
cc to: Admr.'s Reading File
Contract Adm. & Audit Division
Mr. Ching
DMEA Field Team, Region III (2)
Mr. Maxwell Bentley, Secretary-Treasurer  
Croft Oil Company  
Box 641  
Moab, Utah

Re: Docket No. DMEA-2446 (Uranium)  
Contract No. Idm-5445  
Boomerang Mining Company  
Corvusite Mine  
Grand County, Utah

Dear Mr. Bentley:

Your letter of December 6, 1957, enclosing five executed copies of the "Undertaking Concerning Royalty" has been received.

We note, however, that the original, or Government copy, was not returned, while the copy marked for the Operator was returned. We are forwarding the latter copy to Boomerang Mining Company and request that the original, or Government copy, be forwarded to this office at your earliest convenience.

We wish to thank you for the execution and recording of the above-mentioned instrument.

Sincerely yours,

C. O. Mittendorf (fmr.)

Administrator

MChing/gla  
12-10-57  
cc to: Admr.'s Reading File  
Contract Adm. & Audit Division w/cc "Undertaking"  
Mr. Ching  
DMEA Field Team, Region III (2), w/2cc Mr. Bentley's letter  
2 cc (Field Team and Finance Office copies) "Undertaking Concerning Royalty"
United States Department of Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

Att: C.O. Mittendorf

Re: Docket No. DMEA-2446 (Uranium)
Contract No. Idm-E445
Corvusite Mine
Grand County, Utah

Gentlemen:

Enclosed please find 5 copies of the "Undertaking Concerning Royalty" as requested in your letter addressed to Mr. Frank E. Woodard dated February 25, 1957.

I am also enclosing Receipt No. 5525 from the Recorder of Grand County showing the payment of the recording fee in the amount of $3.60 paid by Croff Oil Company to record this instrument. The instrument is recorded in Book 87 at Pages 418 to 420 Entry No. 284715 in the Office of the Grand County Recorder at Moab, Utah.

Very truly yours

CROFF OIL COMPANY

By Maxwell Bentley, Secretary Treas.

MB/nsk
6 encl.
Mr. Donald T. Finch  
DMEA Auditor  
224 New Customhouse Building  
Denver 2, Colorado

Ré: Second Report of Royalty Review  
Idm-E445, DMEA-2446 (Uranium)  
Boomerang Mining Company

Dear Mr. Finch:

Second Report of Royalty Review pertaining to the subject contract has been changed and supplemented by this office as follows:

1. The date of the certificate of discovery or development in the second line on page 2 has been corrected to 1952.

2. An additional note has been added to Schedule No. 1, as follows:

"Note: According to letter dated October 6, 1955, from Robert W. Scott, Chief, Accounting Section, Finance Division, U. S. Atomic Energy Commission, Grand Junction, Colo., this group of claims was not eligible for the initial production bonus."

With these changes the report is approved.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director  
Contract Administration  
and Audit Division

CEFisher/wb  
August 26, 1957

Copy to: Docket  
Admr. Reading File  
Mr. Chambers
Mr. T. H. Prading
FPPA Auditor
224 New Customhouse
Denver 2, Colorado

JUL 16 1957

Re: Docket No. 112-2446
Contract No. ID-4745
Pocenung Mining Company
Corvusite Mine
Grand County, Utah

Dear Mr. Prading:

In answer to your letter of July 1, 1957, in regard to the above-cited contract, I will leave it up to your judgment as to whether an on-site audit is necessary in this case. It appears to me, however, it would not be.

Sincerely yours,

(Signed) J. L. Chambers

Joy L. Chambers, Director
Contract Administration
and Audit Division

JLChambers/ama
July 16, 1957

Copy to: Docket
Adm. Reading File
Mr. Chambers
July 8, 1957

United States Department of the Interior
Defense Mineral Exploration Administration
Washington 25, D.C.

Re: Docket No. DMEA-2446
Contract No. Idm E-445
Corvusite Mine
Grand County, Utah

Dear Sir:

Reference is made to your letter of May 31, 1957 and an instrument entitle "Understanding Concerning Royalty".

As soon as I received the above instrument I submitted them to J. F. Martin & Co. who in turn were to obtain the necessary signatures from officers of the Croff Oil Co. to date the executed instrument has not been returned to us.

Today I have been assured by an officer of the company that the instrument would be signed this week and I should be able to return them to you by July 20, 1957.

Thank you very much.

Yours truly,
Boomerang Mining Company

Frank E. Woodard
Croft Oil Company  
309 Crandall Building  
Salt Lake City, Utah

Re: Docket No. DMEA-2446 (Uranium)  
Contract No. Idm-E445  
Boomerang Mining Company  
Corvusite Mine  
Grand County, Utah

Gentlemen:

We have recently received copies of a Mining Lease, dated February 13, 1957, under which you have leased the Bonanza Nos. 1, 2 and 6, and the Urantah Nos. 1 and 2 claims to the Crown Mining Company. We note that by Mutual Covenant No. 1 of the lease you, as the lessor, have agreed to pay royalties due the U. out of the royalties paid you under the lease. The lease does not include the Grandco Nos. 1, 2, and 3 claims which are a part of the DMEA contract.

Until recently it was our understanding that you had leased the claims covered by the DMEA contract to Cordillera Mining Company and our Mr. W. M. Traver repeatedly requested copies of the lease from Mr. Maxwell Bentley, without success. As recently as June 1, 1957, Mr. T. Sanders of Cordillera Mining Company wrote our Denver Office as follows: "Under the terms of our lease, the DMEA payments are the responsibility of Croft Oil Company and it is our understanding that they have been current in all their payments."

Our records indicate that there is an unexplained lapse of time, from September 6, 1956, to May 28, 1957, in the record of production from the subject property.

On February 25, 1957, we forwarded to Mr. Frank E. Woodard the original and six copies of an instrument entitled, "Undertaking Concerning Royalty" which is to be dated and executed by Croft Oil Company. This instrument is required for our records since the instrument transferring ownership of the claims to Croft Oil Company did not make suitable provision for the preservation of the Government's right to a royalty on production and lien for the payment thereof, as required by the contract with Boomerang Mining Company.
In view of the foregoing circumstances, will you kindly advise us concerning the following:

1. Does Cordillera Mining Company presently hold a lease on any of the land covered by the DMEA contract? If so, please forward two copies of the lease to this office.

2. Was there any production from the eight claims included in the DMEA contract during the period from September 6, 1956, to May 28, 1957?

3. Has the instrument referred to above, concerning royalty, been forwarded to you by Mr. Woodard? If so, what are your intentions regarding the execution thereof?

A prompt response to this letter will be greatly appreciated.

Sincerely yours,

C. O. Mitendorf (foot)
Administrator

MChing/gla
6-12-57
cc to: Admr.'s Reading File
Côde 700, Mr. Ching
T. H. Kiilsgaard, Rm. 5224
DMEA Field Team, Region III (2)
Mr. Thomas H. Bradley
DMEA Auditor
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-2446
Contract No. 138-2445
Boomerang Mining Company
Cordelera Mine
Grand County, Utah

Dear Mr. Bradley:

A review of the Washington office file pertaining to the subject contract indicates that some of the claims included in such contract are currently under lease to Crown Mining Company and that royalty on production by that company has been paid to DMEA by Croff Oil Company. The file also indicates that Cordillera Mining Company may have operated the property for a period of time and that there is an unexplained lapse of time, from September 6, 1956, to May 22, 1957, in the record of production from the property.

Mr. Finch has prepared a report of royalty review pertaining to this contract for the period ended March 21, 1956. It would appear desirable to bring the period covered by audit to date and that an on-site audit rather than a royalty review is in order.

Will you please arrange to fit this into either yours or Mr. Finch's audit schedule.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

CEFisher/wb
June 21, 1957

Copy to: Docket
Admrr. Reading File
Mr. Chambers
Memorandum

June 7, 1957

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 2446 (Uranium) Contract Idm-El15, Boomerang Mining Company (Bonanza, Urantah & Granco Claims) Grand County, Utah

Enclosed are the following which relate to the leasing of land described in the subject contract:

1. Four copies of Mining Lease dated February 13, 1957, between Croff Oil Company and Crown Mining Company.

2. Four copies of Memorandum dated May 31, 1957, from S. R. Wilson, USBM, transmitting Item I to this office.

The enclosed instrument and memo should clarify the reason why copies of recent settlement sheets received are being issued to Crown Mining Company.

There is an unexplainable lapse of time in the report of production (September 6, 1956 - May 28, 1957), in the absence of an instrument concerning royalties between Boomerang Mining Company, and in the absence of an instrument between Croff Oil Company and Cordillera Mining Company. We hesitate to approach CROFF for an explanation as to why production was not reported during the period September 6, 1956 - May 28, 1957.

Normally in such instances, we would contact the Operator, but we realize that the matter between BOOMERANG and CROFF is being handled by the Administrator, DMEA. This being the case a letter to BOOMERANG under the Administrator's signature requesting an explanation for the interruption would seem in order.

We will appreciate receiving advice as to our impression that by Mutual Covenant No. 1 on page 4 of the Mining Lease, Croff Oil Company retains its undertaking concerning royalty.

E. N. Harshman

E. N. Harshman
This Mining Lease made and entered into this 13th day of February, 1957, between CROWTY OIL COMPANY, a Utah corporation, with offices at 309 Crandall Building, Salt Lake City, Utah, hereinafter referred to as lessor and CROWN MINING COMPANY, a partnership, of which James F. Martin of Grand Junction, Colorado is a general partner, hereinafter referred to as lessee.

WITNESSES:

WHEREAS, the lessor owns and controls the following described tracts of unpatented mining claims, located on Beaver Mesa, Grand County, Utah, to-wit:

Tract No. 1: Rameaza No. s. 1, 2 and 6, which claims are more particularly described in the notices of location recorded in the office of the Grand County Recorder, Moab, Utah, in Book 3r, pages 31 through 36, 151, 351, 354 and 350;

Tract No. 2: Uranth No s. 1 and 8, which claims are more particularly described in the notices of location recorded in Book 97, pages 31 through 36 in the Grand County Recorder's office in Moab, Utah;

and is desirous of leasing said tracts of mining claims to the lessee in consideration of the performance by the lessee of the covenants, conditions and promises hereinafter contained.

NOW, THEREFORE, for and in consideration of said covenants, conditions, promises and agreements hereinafter contained, the parties hereto have agreed and do hereby agree as follows:

COVENANTS OF LESSOR

1. To commence a mining operation upon the claims described in Tract 1 above, within fifteen days from the date of the execution of this lease, and continue said operation with reasonable continuity thereafter provided however, that the lessee shall be excused from carrying on said operation during any period of time that said operation is discontinued on account of impassable roads, inclement weather, strikes, riots, civil commotion, accidents or any Acts of God which prevent the carrying on of said operation.

2. (a) To perform or cause to be performed upon the claims described in Tract 1 above, not less than fifty men shifts per month or 150 men shifts per quarter. A man shift shall be defined for purposes of this lease as one man working eight hours a day or its equivalent expended in money.

(b) To produce each month from said claims, not less than 50 tons of uranium type ore of a grade not less than 0.20 of one per cent UO₃ or in lieu thereof, to perform not less than 50 feet of drifting during each month that the above described 50 tons of ore are not produced.

3. (a) To perform or cause to be performed upon the claims described upon Tract 2 above, not less than 2,000 feet of exploratory test drilling from the surface during the first six months of this lease.
(b) To perform not less than 2,000 feet of exploratory drilling from the surface of said claims described in Tract No. 2 during each year thereafter during the term of this lease, provided however, that the lessee shall not be required to perform said exploratory drilling after it shall have made a discovery of commercial ore.

(c) In the event the lessee shall have made a discovery of commercial ore upon said claims, then it shall commence thereon a mining operation within six months after said discovery and shall continue with said mining operation with reasonable continuity thereafter and shall cause to be performed and produced not less than the same number of man shifts and tons of ore or feet of drifting, as prescribed for Tract No. 1 in paragraphs 2 (a) and 2 (b) above.

4. The lessee does hereby agree to furnish to the lessor copies of all information obtained from said exploratory test drilling.

5. The test drilling which the lessee may perform shall be entirely at the risk and expense of the lessee and the lessee does hereby agree to hold harmless, save and protect the lessor from any and all liability and obligation which may arise pursuant to the operations of the lessee.

6. The lessee shall produce evidence to the lessor's satisfaction of the total footage of test drilling performed by the lessee during the term of this lease.

7. All work performed by the lessee shall be in accordance with good mining practice and with due diligence and in compliance with health and safety regulations and all other requirements of Federal, State and local governments including but not by way of limitation, all necessary timbering and other work; to maintain and keep the mine in safe operating condition; to maintain first aid equipment at the mine which meets with the approval of the State Mining Inspector; to keep the ore clean of injurious material and remove barren material to locations at which it will not affect future mining operations.

8. To provide at lessee's own expense all mining equipment, machinery, tools and supplies necessary to the performance of the work and the other operations to be performed by the lessee.

9. To provide at the lessee's own expense all labor, employees and other facilities.

10. To post notices at the mine so as to hold the lessor free and clear of any liability arising from the lessee's operations and to indemnify and hold harmless the lessor against all claims and demands whatsoever arising out of the lessee's operations hereunder, including, but not limited to, death and injuries to persons and damage to property.

11. To supervise, direct and control such employees as the lessee may require to properly perform this agreement, and to pay them on its own account.

12. To comply with all applicable statutes with respect to labor employed on the work, and to protect and to indemnify the lessor against any payroll taxes or contributions imposed with respect to any employees of the lessee by any applicable law dealing with old age benefits, unemployment compensation, accident compensation, health insurance and related subjects.
13. To permit the lessor full and free access to the mine for the purpose of such inspection as is necessary to determine compliance with this agreement and with the usual health and safety regulations.

14. To pay all costs and expenses of the work including, but not limited to, ore chutes, ore bins, ore loading platforms, labor, powder, blasting caps, fuse and other materials as may be required for the work, and to save harmless the lessor of and from liability for any and all such costs and expenses.

15. To maintain all tunnels, drifts, adits, crosscuts, and passageways, free and clear of loose materials and debris, and not cause or allow any underground gobbing without the express agreement or consent of the lessor or its authorized representative first had and obtained.

16. The lessee shall maintain accurate records of its entire operation under this lease and at the end of each six months during the term of this lease shall submit to the lessor a report showing the actual cost of mining expended by the lessee or its assignee or contractors during said preceding six month period. At all times shall the lessor be entitled to examine and inspect the records of the lessee as they pertain to the mining operations carried on under this lease agreement.

17. The lessee agrees that it will pay to the lessor at Box 643, Moab, Utah, a royalty upon its operations carried on under this lease as follows: twenty per cent (20%) of the gross mill returns from all ore shipped and sold from the above named mining claims, described in Tract’s 1 and 2. Gross receipts shall not include haulage allowance and development allowance but shall include all premiums, bonuses now allowed or which may hereafter be allowed during the term of this lease. The lessee agrees that said royalty shall be paid direct to the lessor by the buying station or stations and the lessee agrees that it will cooperate fully in so instructing said buying stations.

The above mentioned royalty of twenty per cent (20%) shall be paid unto the lessor during the term of this lease until such time as the lessee shall have 200% of its investment theretofore expended upon the mining operation, development and exploratory work performed under this lease.

After the lessee shall have recovered 200% of its investment theretofore expended, then it shall pay to the lessor a royalty equal to 20% of the gross proceeds or 50% of the net profit from operations, whichever is greater. At the end of each six month period the lessee shall give to the lessor an accounting showing the computations of the net profit and in the event the 20% royalty theretofore paid during said six month period of time shall be less than 50% of the net profits as shown by said accounting, then the lessee shall forthwith pay to the lessor a sum equal to 50% of the net profit minus the royalties theretofore received for said six month period.

For the purpose of determining the costs to be allowed as expenses in ascertaining the return of the investment of the lessee and the ascertaining of the net profit from mining operations, it is agreed that the lessee shall keep accurate accounting records of all expenditures for said mining operations and that in no event shall the lessee be allowed or permitted to make a charge or deduction in excess of the following:

- For drifting . . . . . . . . . . $30.00 per foot.
- Exploratory drilling from surface . . 2.00 per foot.
18. The lessee covenants that it will make proper use of the development allowance which it may receive on account of ores sold from the above properties and at the request of the lessor shall submit to the lessor an accounting of the use of said development allowance.

19. The lessee covenants that it will be responsible for the transportation and all expenses therefor of said ores from the mine to the buying station or stations, including the federal transportation tax.

MUTUAL COVENANTS

1. It is understood and agreed that the above properties are subject to a 5% royalty payable to the B. M. E. A. and that said royalty shall be paid by the lessee out of the royalty which it receives from the ores mined and sold from said property.

2. All ore mined and sold from the above premises during the term of this lease shall be shipped in the name of the lessee; provided however, that the lessee shall have previously thereto given unto the buying station or stations written instructions for the payment of the royalties as above provided, direct to the lessor at the time settlement is made for said ores.

3. The parties hereto agree that should the lessee fail to perform the covenants, terms and premises herein set forth for either Tract No. 1 or Tract No. 2, that the lessor will upon demand by the lessee execute a release of and deliver to the lessee a release of that tract upon which a default, breach, or failure to perform may have occurred; provided however that lessor shall have notified the lessee in writing of the alleged breach, default or failure to perform and said condition is not remedied by the lessee at the time settlement is made for said ores.

In the event the lessor retains legal counsel to enforce any of its rights under this contract then the lessee agrees to pay a reasonable attorney's fee and court costs, if any.

Failure to perform any of the covenants of this lease shall render this lease cancellable, at the option of the lessor, to that tract upon which said failure to perform may have occurred.

4. This lease, unless terminated sooner by breach or mutual agreement, shall continue for a period commencing on the date of its execution and ending five years thereafter.

5. In the event the lessee fails to comply with all of the terms, covenants, conditions and premises herein set forth, the lessor shall notify the lessee in writing of the failure to comply and shall specify therein the terms which are in default and if the lessee shall fail to remedy said default or defaults within 30 days after said notice then the lessor shall have the option and right of terminating this lease forthwith and notice of said termination in writing sent to the lessee in care of James F. Martin, Box 544, Grand Junction, Colorado, shall be sufficient to terminate said lease as to the tract or tracts upon which, said breach is alleged to have occurred.
6. Upon the termination of this lease, either by its expiration, mutual agreement, forfeiture or any other reason, the lessee shall have a period of 30 days thereafter to remove from said property its mining property such as equipment and supplies. It is specifically understood and agreed that any rail, ties, bins, bunkhouses, tool sheds, pipe or timber installed in place by the lessee shall be deemed a part of the mining property leased hereunder and shall not be removed from said property by the lessee but shall become the property of the lessor without obligation or liability on the part of the lessor to reimburse the lessee.

7. Lessee shall have the right to terminate this lease at any time by giving unto the lessor 10 days notice of its intent to terminate.

8. Lessee agrees that it will, during the term of said lease, perform the annual labor and/or improvements on or for each claim leased hereunder and will prior to June 15 of each year during said term file or cause to be filed the proper affidavits for said work in the office of the Grand County Recorder at Moab, Utah and send a copy of said affidavits to the lessor.

9. The lessee shall furnish unto the lessor at the end of each calendar quarter during said lease a report showing the total man hours expended upon the property during the preceding three month period, both below ground and above ground, also the total number of feet of drifts, raises, insalines, shafts and cause-eyes completed during said three month period. In the event any exploratory test drilling is performed the lessee shall include in said report copies of all information resulting from said exploratory drilling and probing.

10. The lessee shall have the right to sublet or assign all or any part of this lease or the premises leased hereunder; provided, it shall notify the lessor in writing of said assignment and provided further, that said assignment shall be subject to the terms and provisions herein contained. In no event shall the lessee be relieved from liability and responsibility under this lease, in the event of a complete assignment, without first obtaining the approval from the lessor of said assignment and a release from liability of the lessee herein named.

IN WITNESS WHEREOF, the parties hereto have executed this lease as of the day and year first above written.

LESSEE

CROFT OIL COMPANY

By S/ W. D. Hebabcer, Jr. President

LESSEE

CROWN MINING COMPANY

By S/ James F. Martin General Partner
ACKNOWLEDGMENTS

STATE OF UTAH    } ss.
COUNTY OF SALT LAKE)

On this 13th day of February, 1957, personally appeared before me, W. D. Nebeker, Jr. and Maxwell Bentley, known by me to be the President and Secretary, respectively of the CROWF OIL COMPANY and acknowledged to me that they did execute the foregoing lease by authorization of the board of directors of said corporation given at a meeting of said board held on the 30th day of July, 1956 and acknowledged that said act was the act of the corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 13th day of February, 1957.

My Commission Expires: October 1, 1960

S/ Beth S. Brewster Notary Public

I reside at Salt Lake City, Utah

STATE OF UTAH    } ss.
COUNTY OF SALT LAKE)

On this 13th day of February, 1957 personally appeared before me, James F. Martin known by me to be the General Partner of the CROWN MINING COMPANY and acknowledged said Mining Lease before me.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 13th day of February, 1957.

My Commission Expires: October 1, 1960

S/ Beth S. Brewster Notary Public

I reside at Salt Lake City, Utah
May 31, 1957

Memorandum

To: E. N. Harshman, Acting Executive Officer, DMEA Field Team, Region III

From: Supervising Mining Engineer

Subject: Docket No. DMEA-2446 (Uranium), Contract Idm-E445, Croff Oil Co. (Corvusite mine), Grand County, Utah

I have recently discussed the subject property with W. D. Nebeker, Jr., president of Croff Oil Co. As you may recall, we have endeavored to obtain a copy of a lease agreement between Croff Oil Co. and the Cordillera Mining Co. It appears now that the Crown Mining Co. is the lessee. Attached is one signed copy of the lease agreement between the latter company and Croff Oil Co. This copy was provided by Mr. Nebeker.

Stephen R. Wilson

Enclosure

cc: J. B. Clemmer
United States
Department of the Interior
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Gentlemen:

Reference is made to your letter of May 22, 1957 concerning Contract EDM-445 with the Boomerang Mining Company.

Under the terms of our lease the DMEA payments are the responsibility of Croff Oil Company and it is our understanding that they have been current in all their payments.

In the event there is some circumstance of which we are unaware, we would appreciate hearing from you.

Yours very truly,

Cordillera Mining Company

T. Sanders

T. Sanders
Mr. Frank E. Woodard  
Boomerang Mining Company  
P.O. Box 52  
Grand Junction, Colorado

Re: Docket No. DMEA-2446 (Uranium)  
Contract No. 154-5415  
Corvusite Mine  
Grand County, Utah

May 31, 1957

Dear Mr. Woodard:

Reference is made to our letter of February 25, 1957, enclosing an instrument entitled "Understanding Concerning Royalty" for execution.

Three months have now passed without word from you of any action taken. It would be appreciated if you will advise us promptly of the reason for the delay.

Sincerely yours,

(Administrator)

MChing/izm 5-28-57  
cc to: Mr. Ching  
Admiral's Reading File  
THKilsgaard, 5224  
DMEA FT Reg. 3 (2) enclosed w/let. to Reg. this day
Mr. E. N. Harshman
Acting Executive Officer
NMA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. 81-2846 (Uranium)
Contract No. IDM-1045
Boomerang Mining Company
Cuprite Mine
Grand County, Utah

Dear Mr. Harshman:

Referring to your memorandum of May 22, 1957, we have had no response from the subject Operator regarding the instrument mentioned.

Enclosed are copies of a letter of even date requesting advice on the reason for the delay.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

[Signature]
Member, Bureau of Mines

[Signature]
Member, Geological Survey

MChing/izm 5-26-57
cc to: Mr. Ching
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2446 (Uranium) Contract Idm-E445
Boomerang Mining Company (Bonanza, Urantah & Grandco claims) Grand County, Utah

By letter of February 25, 1957, to the Operator, C. O. Mittendorf, Administrator, DMEA, enclosed copies of legal instrument concerning royalty, requested its execution by Croff Oil Company, and after execution stated certain copies were to be returned to the Washington Office.

Please advise us as to whether or not the Washington copies have been received.

We make this inquiry because S. R. Wilson, Supervising Mining Engineer, USBM, reports that in February when talking to Maxwell Bentley, Attorney for Boomerang, the impression was gained that Boomerang intended to comply with the Administrator’s request within the near future.

E. N. Harshman

E. N. Harshman
Dear Sirs:

We have recently received indication that you have resumed production from land which is subject to the Government's royalty under the provisions of Contract Idm-445.

The most recent report of production and royalty payment received is covered by settlement sheet having Liquidation No. 2704, dated September 6, 1956, Climax Uranium Company, purchaser.

You are requested to submit four copies of each settlement sheet and applicable royalty on all unreported production.

Yours very truly,

E. N. HARSHMAN

E. N. Harshman
Acting Executive Officer,
DMEA Field Team, Region III

MEM:

cc: Royalty file, E445
   Sec. Op. Comm. (2)
   E.R. Wilson
   Marshall
   Chron.
Mr. Frank R. Woodard  
Boomerang Mining Company  
P. O. Box 52  
Grand Junction, Colorado  

Re:  Docket No. R. 2446 (Uranium)  
Contract No. 147-2145  
Corvusite Mine  
Grand County, Utah

Dear Mr. Woodard:

In accordance with your letter of February 5, 1957, we are enclosing the original and six copies of an instrument entitled "Undertaking Concerning Royalty" which is to be dated and executed by Croff Oil Company as indicated, duly notarized, and recorded at the office of the Grand County Recorder.

After execution, the copy marked for Croff Oil Company is to be retained by it, the Operator's copy is for your files, and the remaining five copies are to be returned to this office together with a notation as to the Book and Page numbers where recorded.

We wish to thank you for your cooperation in this matter.

Sincerely yours,

[Signature]

Administrator

MChing/ism 2-20-57  
cc to: Code 700  
Mr. Ching  
Admr.'s Reading File  
Operating Committee  
DMEA FT Reg. 3 (2)  
THKiilsgaard, 5224  
JKratchman, AEC
February 5, 1957

Boomerang Mining Company
P.O. Box 52
Grand Junction, Colorado

Unites States Department of the Interior
Defense Mineral Exploration Administration
Mr. C. O. Mittendorf, Administrator
Washington 25, D.C.

Re: Docket N. Dmca-2446(Uranium)
Contract N. Idm E-445
Corvusite Mine
Grand County, Utah

Your letter of Jan. 30, 1957

Dear Sir:

We have no record of your letter of November 6, 1956, however we asked Mr. Bentley of the Croff Oil Company early in October to draw such as instrument as would be satisfactory to the Administrator of the DMEA to preserve the Government's rights to the above mentioned property and relieve us of further responsibility. We did not get any reply from this.

If you will draft an appropriate instrument as you stated you would in your letter of January 30, 1957 and send it to us we will see that it is executed, recorded, and returned to you as soon as possible.

Thank you for your willingness to write such an instrument for us.

Yours very truly,

Frank E. Woodard
Partner

RECEIVED
FEB 12 1957
ASSOC. SOLICITOR
MINERAL RESOURCES
JAN 30 1956

Mr. W. H. Traver
Executive Officer
D.A. Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Des: Docket No. D.A.-2426 (Uranium)
Contract No. RDA-12145
Boomerang Mining Company
Corvusite Mine
Grand County, Utah

Dear Mr. Traver:

This is in reply to your memorandum of January 22 relating to the subject project.

The legal instrument referred to has not been received by this office. Should royalty payments not be made at any time, the Government should look to Boomerang Mining Company for payment, pending receipt of such an instrument.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Frank D. Lamb
Member, Bureau of Mines

N. E. Nelson
Member, Geological Survey
Mr. Frank E. Woodard  
Boomerang Mining Company  
P. O. Box 52  
Grand Junction, Colorado

Re: Docket No. DMEA-2446 (Uranium)  
Contract No. 1dm-El145  
Corvusite Mine  
Grand County, Utah

Dear Mr. Woodard:

Please refer to our letter of November 6, 1956, regarding a legal instrument that would preserve the Government's rights to royalty and lien to secure the payment thereof.

The execution and recording of such an instrument would relieve your company of further obligation to pay royalties under the subject contract should payments not be made at any time in the future. It is, therefore, to your advantage to have such an instrument executed and recorded. Since we stated our willingness to draft an appropriate instrument for your use, we are at a loss to account for your apparent lack of interest.

It would be greatly appreciated if you would advise us promptly of your intentions in this matter.

Sincerely yours,

[Signature]

Administrator

FROM SOLICITOR
JAN 30 1957
FOR SIGNATURE
Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Company (Bonanza, Urantah and Grandco Claims), Grand County, Utah

Please advise us as to whether or not a legal instrument of the nature requested by the Administrator in a letter dated November 6, 1956 to Mr. Frank E. Woodard has been received by your office.

W. M. Traver

W. M. Traver
224 New Customhouse  
Denver 2, Colorado  
December 21, 1956

Mr. Maxwell Bentley, Attorney at Law  
The Archbas Building  
Moab, Utah

Re: Docket DMA 846 (Uranium), Contract Ida-E445, Boomerang Mining Company (Bonanza, Urantah, and Grandoe Claims), Grand County, Utah

Dear Mr. Bentley:

On September 18, 1956 you were sent a letter requesting that you submit six (6) copies of the lease granted to Cordillera Mining Company by Croff Oil Company pertaining to land subordinated to the Government under Contract Ida-E445. On October 19, 1956 and subsequently on November 20, 1956 additional requests were made for copies of this lease for which no reply has been received from you.

We believe that a reasonable length of time has elapsed necessary for the preparation of this material; therefore, kindly comply with our request and submit the required documents by return mail.

Yours very truly,

W. M. TRAVER

Executive Officer, DMA
Field Team, Region III

MGB/vj

cc: Royalty File E445  
Corres. File E445  
Sec. Opr. Comm. (2)  
S. R. Wilson  
Marshall  
Chron.
Mr. Maxwell Bentley, Attorney at Law
The Arches Building
Moab, Utah

Re: Docket DMEA 2446 (Uranium), Contract Idm-B445, Boomerang Mining Company (Bonanza, Urantah and Grandco Claims), Grand County, Utah

Dear Mr. Bentley:

Enclosed for the second time is a photo copy of a letter dated September 18, 1956, for which we have not received your reply. No reply having been received from you, we again request that you assist this agency to maintain record of the Operator's rights in the land, by furnishing us with six (6) copies (signed copies or photostats of a signed copy preferred) of the lease between Croff Oil Company and Cordillera Mining Company.

Yours very truly,

W. M. TRAVER
Executive Officer, DMEA
Field Team, Region III

Enclosure

cc: Royalty File E445
Corres. File E445
Sec. Opr. Comm. (2)
S. R. Wilson
Marshall
Chron.
January 7, 1956

MEMORANDUM

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Company (Corvusite Mine), Grand County, Utah

This is to advise that our office has received payment of the sum of $465.01 demanded by letter dated October 1, 1956 from Mr. C. O. Mittendorf, Administrator, DMEA, to Mr. Frank E. Woodard, Boomerang Mining Company, P. O. Box 52, Grand Junction, Colorado.

We have, however, received no copy of the required instrument requested by paragraph four of the above mentioned letter.

W. M. Traver
Mr. Frank E. Woodard  
Boomerang Mining Company  
P. O. Box 52  
Grand Junction, Colorado

Re: Docket No. DMA-2446 (Uranium)  
Corvusite Mine  
Grand County, Utah  
Contract No. Idm-2446

Dear Mr. Woodard:

This will acknowledge receipt of your letter dated October 12, 1956, to our Executive Officer at Denver enclosing checks totaling $465.01 for royalty on production made during November and December 1952, for which we thank you.

It was noted that your letter concluded that "This should close this subject relative to the DMA and the Boomerang Mining Company . . ." If by this statement you mean that the matter of all royalty under the subject contract is closed as to your company, we do not agree.

You will recall that our letter dated April 26, 1956, to your company stated that from our review of copies of the instruments transferring to Croff Oil Company title to the land under the subject contract, it appeared to us that said company had been deeded a title clear of the Government's rights; and that this did not constitute making "suitable provision" for preserving the Government's rights to royalty and lien thereafter, as required by the exploration contract.

Your letter dated May 21, 1956, to this agency, transmitted a letter from Croff Oil Company addressed to the Bureau of Mines of this Department, acknowledging the Government's rights to royalty under the subject contract. Your letter also asked that your company be relieved of liability for further payment of royalty, and stated that if we determined that an instrument should be recorded in this connection, you would obtain it. Our letter to you dated June 7, 1956, stated that an instrument executed by Croff Oil Company should be recorded, and we outlined the nature of such an instrument.

Although the Government currently is receiving royalty from the Croff Oil Company pursuant to an apparently unwritten understanding with your company to pay it, as a matter of record the Croff
A company owns the land free of the Government's rights. Therefore, the Government does not consider that suitable provision has been made for the preservation of its rights to royalty and lien to secure the payment thereof. Should payment not be made at any time in the future, the Government would look to your company for payment. On the other hand, should the Government's rights to royalty and lien properly be made a matter of record so that they are not subordinated to any intervening liens, we would consider your company discharged of the obligation to pay it.

The nature of an instrument appropriate for recording, to be executed by Croff Oil Company, was outlined in our letter to you dated June 7, 1956. If you so indicate, we would attempt to draft an appropriate instrument for your use.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

HCRubin/emd 11/2/56

Copy to: DMEA Docket
Adm. R. File
T. H. Kilsgaard, USGS
J. E. Crawford, USBM
Field Team, Reg. III (2)
E. W. Ellis
J. L. Chambers
R. P. Dwyer
H. C. Rubin
chron.
pending
October 23, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources
   Attention: Mr. Rubin

From: C. O. Mittendorf, Administrator

Subject: Docket No. DMEA-2846 (Uranium)
       Contract No. Idu-21145
       Boomerang Mining Company
       Carrotite Mine
       Grand County, Utah

Attached is a letter, dated October 12, 1956, addressed to the Executive Officer of Region III, which resulted from a letter, dated October 1, 1956, signed by the Administrator.

You will note that the Government's claim for $465.00 in back royalties from the subject Operator has been satisfied. However, Mr. Woodard failed to make any reference to our letters of April 26 and June 7, 1956, regarding suitable provisions for preserving the Government's royalty on production and lien on the property.

Our letter of June 7, 1956, to Mr. Woodard suggested that an instrument preserving the Government's rights be executed by Creff Oil Company, the present owner of the property, "based upon proper consideration advanced by Boomerang Mining Company." This language appears to be rather vague and it is my impression that both the Boomerang Mining Company and Creff Oil Company are not sure as to the type of instrument that is required and for that reason no specific action has resulted from our letters, although the last paragraph of the letter did suggest the general type of instrument required.

It should be noted that while Boomerang Mining Company was the Operator, it held only a one-half interest in the land, the other one-half interest being held by F. Roy Stone, who signed an Owner's Consent to Lien.

Subsequent to completion of the exploration project and certification of discovery, the three partners of Boomerang Mining Company and F. Roy Stone sold their respective interests in the land to James F. Martin and Company. The latter company, in turn, sold
the property to Croff Oil Company. In the instruments of sale no provisions were made for the preservation of the Government's right to royalty and lien.

If possible, it is suggested that a specific instrument or instruments be drawn for the signature of the three partners of Boomerang Mining Company, F. Roy Stone, James P. Martin and Company, and Croff Oil Company, which will satisfy the requirements of the Government.

G. O. Mittenorfr

Administrator

MChing/gla
10-23-56
cc to: Admr.'s Reading File
Docket
Contract Admin. & Audit Division
Code 700
Mr. Ching
Mr. Maxwell Bentley, Attorney at Law
The Arches Building
Moab, Utah

Re: Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Company (Bonanza, Urantah and Grandco Claims), Grand County, Utah

Dear Mr. Bentley:

Enclosed is a photocopy of our letter dated September 18, 1956 for which we have not received your reply. No reply having been received from you, we again request that you assist this office to maintain record of the Operator's rights in the land, by furnishing us with six (6) copies (signed copies or photostats of a signed copy preferred) of the lease between Croff Oil Company and Cordillera Mining Company.

Yours very truly,

W. M. TRAVER

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosure

cc: Royalty File E445
    Corres. File E445
    Sec. Opr. Comm. (2)
    S. R. Wilson
    Marshall
    Chron.
October 12, 1956

Department of Interior
Defence Minerals Exploration Admin.
Executive Officer Region III
224 New Customhouse
Denver 2, Colorado

Re: Contract No. Idm E-445
Corvusite Line
Grand County, Utah.

Dear Sirs:

In our letter to the Executive Officer Region III dated January 25, 1956, we stated that it was our understanding that the production from the Corvusite Line during the months of November and December 1955, would not be subject to the 50% DMEA royalty, that amendment No. 1 to the contract dated February 6, 1953 would be the effective date from which production royalties would be due, and we requested such interpretation in our letter. Evidently the Administrator of the DMEA interprets the contract and amendment differently and that royalty is due on the 1952 production.

In view of the recent letter from the Administrator of the DMEA we are submitting our personal checks for the amount due of $465.01. One check from Charles V. Woodard for $232.51 and a check from Boomerang Mining Company signed by Frank E. Woodard for $232.50.

This should close this subject relative to the DMEA and the Boomerang Mining Company. However, if any additional information or service is needed please write to us.

Sincerely yours,

Boomerang Mining Company

Frank E. Woodard

CC: Administrator DMEA
    Washington, D.C.
CC: Mr. Maxwell Bentley
    Croft Oil Company

Enc: 2
Mr. Frank E. Woodward  
Boomerang Mining Company  
P. O. Box 52  
Grand Junction, Colorado  

Re: Docket No. DMEA-2446 (Uranium)  
Contract No. IDM-5445  
Corvusite Mine  
Grand County, Utah  

Dear Mr. Woodward:

Reference is made to W. M. Traver’s letters to you, dated June 6, July 9, and August 3, 1956, requesting payment of $465.01 in back royalties due the Government under the subject Contract. These royalties were accumulated prior to your transfer of the property to the Croft Oil Company.

Since you have failed to respond to Mr. Traver’s request for payment, the matter has been referred to this office for consideration. Based upon our view of the matter, it is requested that you promptly remit the amount due to Mr. Traver at Denver as there is no valid reason for not doing so. In this regard, your attention is directed to our letters of April 26 and June 7, 1956, outlining our requirements for an Operator making “suitable provision” for the Government’s royalty.

It is not within the authority of this Administration to postpone indefinitely such action as may be necessary to collect amounts properly due the Government. Accordingly, we must advise you that, unless payment of the sum of $465.01 is received within thirty days from the date of this letter, it will be necessary to refer the matter to the Attorney General of the United States for collection action.

Sincerely yours,

C. O. Mittendorf

Administrator
Mr. Frank E. Woodward  
Boomerang Mining Company  
P. O. Box 52  
Grand Junction, Colorado  

Res: Docket No. DMEA-2446 (Uranium)  
Contract No. IDR-5445  
Corvusite Mine  
Grand County, Utah  

Dear Mr. Woodward:

Reference is made to W. M. Traver's letters to you, dated June 6, July 5, and August 3, 1956, requesting payment of $465.01 in back royalties due the Government under the subject contract. These royalties were accumulated prior to your transfer of the property to the Croff Oil Company.

Since you have failed to respond to Mr. Traver's request for payment, the matter has been referred to this office for consideration. We request that you promptly remit the amount due to Mr. Traver at Denver in order to avoid a further waste of time, effort, and expense on your part as well as ours.

It is not within the authority of this Administration to postpone indefinitely such action as may be necessary to collect amounts properly due the Government. Accordingly, we must advise you that, unless payment of the sum of $465.01 is received within thirty days from the date of this letter, it will be necessary to refer the matter to the Attorney General of the United States for collection action.

Your attention is further called to our letter of June 7, 1956, requesting that the Government be furnished with an instrument preserving its lien for royalty on production from the property covered by the subject contract. No reply having been received from you, we again request that you contact the Croff Oil Company with a view of supplying the required instrument.

Sincerely yours,

[Signature]  
Administrator
Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Company (Corvusite Mine), Grand County, Utah

Mr. C. O. Mittendorf, Administrator, by a letter dated June 7, 1956 to Mr. Frank E. Woodward, Partner, Boomerang Mining Company, P. O. Box 52, Grand Junction, Colorado, requested an instrument whereby Croff Oil Company undertakes to pay the Government's royalty.

We would appreciate being advised as to what steps have been taken to comply with the Administrator's request. If an acceptable instrument has been received, this office requests a copy for our files.

W. M. Traver
September 18, 1956

Mr. Maxwell Bentley, Attorney at Law
The Arches Building
Moab, Utah

Re: Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Company (Bonanza, Uranthah and Grandco Claims), Grand County, Utah

Dear Mr. Bentley:

Your letter of September 11, 1956 advising that Cordillera Mining Company is the lessee of claims described in Contract Idm-E445 under a five year lease, has been received by this office.

The Government, under the provisions of the Contract, retains right to a percentage royalty on production from this property until November 4, 1962, or until the total amount of Government participation, $21,438.07, has been fully repaid, whichever occurs first. It is therefore necessary for the Government to be kept informed of any assignment, transfer, or loss of your interest in the property described in the contract.

You may assist this office to maintain record of the Operator's rights in the land, by furnishing us with six (6) copies (signed copies or photostats of a signed copy preferred) of the lease between Croff Oil Company and Cordillera Mining Company.

If your interest in the property is in any way affected, you are requested to include a suitable provision for the preservation of the Government's right to a percentage royalty on production from that property.

Yours very truly,

W. M. TRAVER

Executive Officer, DMEA
Field Team, Region XIII

MEM/vj

cc: Royalty File E445
Corres. File E445 w/cy Bentley's ltr dtd 9/11/56
Sec. O.r. Comm. (2) w/cys Bentley's ltr dtd 9/11/56
S. R. Wilson w/cy Bentley's ltr dtd 9/11/56
Marshall
Chron.
United States Dept. of the Interior  
224 New Customhouse  
Denver 2, Colorado  
Attention: W. M. Traver  
Re: Docket DMEA 2446

Dear Mr. Traver:

Receipt is acknowledged of your letter of September 6, 1956. As requested in your letter, this is to advise you that the relationship between Croff Oil Company and Cordillera Mining Company is, that Croff Oil Company is the owner of the subject claims and Cordillera Mining Company is the lessee of said claims under a five year lease.

Please advise if further information is requested.

Very truly yours,

Maxwell Bentley,  
Secretary and Treasurer  
of Croff Oil Company

MB/mf
Mr. Maxwell Bentley, Attorney at Law
The Arches Building
Moab, Utah

Re: Docket DMEA 2446 (Uranium), Contract Idm-4445, Boomerang Mining Company (Bonanza, Urantah and Grandco Claims), Grand County, Utah

September 6, 1956

Dear Mr. Bentley:

Thank you for your letter of August 30, 1956, restating that Croft Oil Company is the owner of the Bonanza #2 claim.

We have recently received copies of a Climax Uranium Company settlement sheet which indicates production from the Bonanza #2 claim was purchased from Cordillera Mining Company. Please advise this office of the relationship between your company and Cordillera Mining Company.

Yours very truly,

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

MEM/vj

cc: Royalty File E445 w/orig. ltr
Corres. File E445 w/cy Opr. ltr dtd 8/30/56
Sec. Opr. Comm. (2) w/cy Opr. ltr dtd 8/30/56
S. R. Wilson w/cy Opr. ltr dtd 8/30/56
Marshall
Chronn.
United States Department of the Interior
224 New Custom House
Denver 2, Colorado
Attention: W. M. Traver
Executive Officer, DMEA
Field Team Region 3

Gentlemen:

Receipt is acknowledged of your letter of August 28th, 1956 regarding the transfer of ownership of the Bonanza No. 2 claim and the other claims upon which DMEA contract No. I D M - E 445 was granted, from Boomerang Mining Company to Croft Oil Company.

As previously advised Croft Oil Company is now the owner of the Bonanza numbers 1, 2 and 6, the Urantah numbers 1 and 2 and the Grandco numbers 1, 2 and 3. I believe production has been obtained from the Bonanza claims for approximately 14 months and during that time Royalties as provided for in the DMEA contract have been paid to the Department of the Interior or to the DMEA.

The request in your last paragraph to advise by return the significance of the apparent change of ownership is not too clear to me. The only significance I would attach to this change of ownership is that Croft Oil Company is now the owner of these claims, which were previously owned by Boomerang Mining Company. However our company purchased the claims subject to the outstanding contingent liability on account of the above numbered DMEA contract. This company also acquired certain other claims in the general area of the Bonanza and Urantah and Grandco claims however the above named claims are the only claims covered by said contract and the only claims which were subordinated to the government under said contract.

If any further information is desired kindly let me know.

Very truly yours,

CROFT OIL COMPANY

August 30, 1956

United States Department of the Interior
224 New Custom House
Denver 2, Colorado
Attention: W. M. Traver
Executive Officer, DMEA
Field Team Region 3

Gentlemen:

Receipt is acknowledged of your letter of August 28th, 1956 regarding the transfer of ownership of the Bonanza No. 2 claim and the other claims upon which DMEA contract No. I D M - E 445 was granted, from Boomerang Mining Company to Croft Oil Company.

As previously advised Croft Oil Company is now the owner of the Bonanza numbers 1, 2 and 6, the Urantah numbers 1 and 2 and the Grandco numbers 1, 2 and 3. I believe production has been obtained from the Bonanza claims for approximately 14 months and during that time Royalties as provided for in the DMEA contract have been paid to the Department of the Interior or to the DMEA.

The request in your last paragraph to advise by return the significance of the apparent change of ownership is not too clear to me. The only significance I would attach to this change of ownership is that Croft Oil Company is now the owner of these claims, which were previously owned by Boomerang Mining Company. However our company purchased the claims subject to the outstanding contingent liability on account of the above numbered DMEA contract. This company also acquired certain other claims in the general area of the Bonanza and Urantah and Grandco claims however the above named claims are the only claims covered by said contract and the only claims which were subordinated to the government under said contract.

If any further information is desired kindly let me know.

Very truly yours,

CROFT OIL COMPANY
Memorandum

To: Chairman, Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Royalty payments, Docket DMEA 2446 (Uranium) Contract Idm-E445, Boomerang Mining Company (Bonanza, Urantah and Grandco Claims) Grand County, Utah

Enclosed is a photo copy of our letter dated August 3, 1956, which was sent certified mail and received as per the Operator's signature August 6, 1956.

If payment of $465.01 has been received by your office, please advise; otherwise, it seems desirable to initiate whatever action is indicated to protect the Government's interest.

J. W. Townsend

Enclosure - 700
August 3, 1956

Mr. Frank B. Woodward
Boomerang Mining Company
P. O. Box 52
Grand Junction, Colorado

Re: Royalty payments, Docket DMEA 2446
(Uranium), Idaho S-445, Boomerang Mining Company (Bonanza, Uranium and
Granada Claims), Grand County, Utah

Dear Mr. Woodward:

On June 6, 1956 we sent you a request for $465.01 in back
royalties properly due the Government. You were reminded of this
indebtedness again on July 5, 1956. To date, we have not received
the amount requested or an answer to either letter.

This is to inform you that if payment of $465.01 is not
received in this office on or before August 31, 1956, the matter
will be referred to our Washington office for whatever legal action
is indicated.

Enclosed is another copy of our letter of June 6, 1956
which was sent certified mail and received as per your signature,
June 8, 1956.

Yours very truly,

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosure

cc: Royalty File E445
    Correspondence File E445
    Sec. Opr. Comm. (2)
    S. R. Wilson
    Marshall
    Carson.
224 New Customhouse  
Denver 2, Colorado  

August 28, 1956

Mr. Maxwell Bentley, Attorney at Law  
The Arches Building  
Moab, Utah

Re: Docket DEEIA 2446 (Uranium), Contract Ida-ME15, Boomerang Mining Company (Bonanza, Uranah and Grandco Claims), Grand County, Utah

Dear Mr. Bentley:

This office has recently received copies of a Climax Uranium Company settlement sheet dated August 21, 1956 for Liquidation No. 2662, which indicates production from the Bonanza #2 claim was bought of Cordillera Mining Company.

Your letter of May 7, 1956 to our Washington Office states that Croff Oil Company is the owner of the Bonanza #2 claim.

Please advise this office by return mail the significance of the apparent change of ownership for the Bonanza #2 claim and all other claims likewise affected which are subordinated to the Government under Contract Ida-ME15.

Yours very truly,

W. M. TRAVER

W. M. Traver  
Executive Officer, DEEIA  
Field Team, Region III

cc: Royalty File E445  
Corres. File E445  
Sec. Opr. Comm. (2)  
S. R. Wilson  
Marshall  
Chron.
Mr. Frank E. Woodward
Boomerang Mining Company
P. O. Box 52
Grand Junction, Colorado

Re: Royalty payments, Docket DMWA 2446 (Uranium), Idm-E445, Boomerang Mining Company (Bonanza, Uranah and Grandco Claims), Grand County, Utah

Dear Mr. Woodward:

Enclosed is a photocopy of our letter dated June 6, 1956, for which we have not received your reply.

Please give this matter your prompt attention.

Very truly yours,

W. M. TRAVER

W. M. Traver
Executive Officer, DMWA
Field Team, Region III

Enclosure

cc: Royalty File E445
    Correspondence File E445
    Sec. Opr. Comm. (2)
    S. R. Wilson
    Marshall
    Chron.
JUNI & 1956

Mr. W. E. Traver
Executive Officer
DESA Yield Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DE&E-2446 (Uranium)
Contract 1ba-E2445
Boomerang Mining Co.
Grand County, Utah

Dear Mr. Traver:

Pursuant to the request contained in your memorandum of June 12, 1956, we are enclosing two copies of a letter, dated May 21, 1956, from Boomerang Mining Company and two copies of a letter, dated May 7, 1956, from Croff Oil Company. The latter, you will note, was addressed to the Bureau of Mines.

We will keep in mind the fact that Boomerang Mining Company is liable for $465.01 in royalties to the Government.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Enclosures

MChing/ai
6/15/56

cc to: Admr.'s Reading File
Operating Committee
Docket
Mr. Ching
Code 700

P. L. Field

Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JCHoested, Rm. 3210, GSA
Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Letter of C. O. Mittendorf, June 7, 1956, to Mr. Frank E. Woodward, Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Company (Corvusite mine), Grand County, Utah

This office requests for our files, one copy of Mr. Frank E. Woodward's letter of May 21, 1956, referred to in the first paragraph of Mr. C. O. Mittendorf's answering letter to Mr. Woodward dated June 7, 1956.

In further reference to the content of the letter of June 7, to Mr. Woodward, this will call your attention to the fact that by letter of June 6, 1956, we requested of Mr. Woodward $465.01 in royalties due the Government from Boomerang Mining Company on production for the period prior to the sale of property to Croff Oil Company. You were furnished a copy of this letter.

This fact is called to your attention in order that you may be aware of the delinquent status of Boomerang Mining Company when considering the acceptability of a royalty instrument between the afore mentioned two companies.

W. M. Traver
Mr. Frank E. Woodward, Partner
Boomerang Mining Company
P. O. Box 52
Grand Junction, Colorado

Re: Docket No. DMEA-2446 (Uranium)
Contract No. Idm-2445
Coruscite Mine
Grand County, Utah

Dear Mr. Woodward:

This will acknowledge your letter dated May 31, 1956, concerning the subject contract.

Your letter stated that you would obtain and record an instrument preserving the Government's lien for royalty if we deem it necessary. At the same time you indicated a desire to be relieved of the responsibility for payment of royalty.

In these circumstances, it is our view that the Government's lien on the land and on production thereof should be recorded. It would seem that since Croff Oil Company now is the record owner, such an instrument should be amended by it, based upon proper consideration advanced by your Company.

The Government has no specific forms covering such a transaction. However, it is suggested that an instrument containing a positive undertaking by Croff Oil Company to pay the Government's royalty, in the amounts and for the periods provided by the subject contract, secured by positive grants of liens on production and on the land, will be acceptable. The Government should be furnished with a copy of such instrument and a reference to the Book and Page numbers where it is recorded.

Sincerely yours,

G. O. Mittendorf
Administrator

HCRubin/wog
June 4, 1956
Copy to: DMEA Docket
Adm. Reading File
Operating Com.
THKiiilsgaard, USGS
JECrawford/Rm 3643

EWEllis (2)
JLChambers/Rm 4448
Field Team, Reg. III (2) Pending
RPDwyer
HCRubin

Ching
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

234 New Custenhouse
Denver 2, Colorado

CERTIFIED MAIL
June 6, 1956

Mr. Frank E. Woodward
Beomerang Mining Company
P. O. Box 52
Grand Junction, Colorado

Re: Royalty payments, Docket DMEA 3446
(Uranium), D-5445, Beomerang Mining
Company (Beomeza, Uramah and Graden
claims), Grand County, Utah

Dear Mr. Woodward:

The recently completed royalty review of the subject con-
tract for period November 1, 1952 through March 31, 1956, made by
DMEA auditor, established the balance of royalty due the Government
for that period from Beomerang Mining Company at $465.01 as follows:

<table>
<thead>
<tr>
<th>Production during year 1952</th>
<th>Royalty</th>
<th>Royalty</th>
<th>Royalty</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/52 Climax Uranium Co. Liq. No. 348</td>
<td>$16.74</td>
<td>-----</td>
<td>$16.74</td>
</tr>
<tr>
<td>11/52 U. Carb. Nucl. Co. Liq. No. 3677</td>
<td>$32.78</td>
<td>-----</td>
<td>32.78</td>
</tr>
<tr>
<td>(Less production prior to 11/4/52)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/5 U. Carb. Nucl. Co. Liq. No. 5900</td>
<td>64.85</td>
<td>-----</td>
<td>64.85</td>
</tr>
<tr>
<td>12/6 Climax Uranium Co. Liq. No. 561</td>
<td>18.40</td>
<td>-----</td>
<td>18.40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Production during year 1953</th>
<th>Royalty</th>
</tr>
</thead>
</table>

Total $465.01

Your check for $465.01 should be made payable to the
Defense Minerals Exploration Administration and sent promptly to
the Executive Officer, DMEA Region III, Room 234 New Custenhouse,
Denver 2, Colorado.

Yours very truly,

W. M. TRAVER

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

cc: V. D. Babcock, Jr., President
Croyd Oil Company

MEM/VJ
cc: Royalty File E445
Correspondence File E445
Sec. Opr. Comm. (2)
D. T. Finch
Marshall
Chron.
S. R. Wilson
Mr. Donald T. Finch
DMEA Auditor
224 New Custeachouse Building
Denver 2, Colorado

Re: First Report of Royalty Review
Bossemung Mining Company
IDM-2445, DMEA-2446

May 31, 1956

Dear Mr. Finch:

Receipt is acknowledged of your First Report of Royalty Review covering the above-cited project.

The revised report is acceptable and normal distribution is authorized.

Sincerely yours,

(Signed) J. L. Chambers

J. L. Chambers, Chief
Contract Administration
and Audit Division

WEcorovies/wb
May 29, 1956

Copy to: Docket
Admr. Reading File
Mr. Chambers
May 29, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: C. O. Wittendorf, Administrator

Subject: Docket No. DMEA-2466 (Uranium)  
Contract No. LDM-25675  
Boomerang Mining Company  
Cervosite Mine  
Grand County, Utah

Attached is a letter, dated May 21, 1956, from the Boomerang Mining Company, enclosing a letter, dated May 7, 1956, addressed to the Bureau of Mines, and signed by Russell Bentley as Secretary-Treasurer of Croff Oil Company. These letters are in answer to our letter of April 26 to the Boomerang Mining Company and probably may be considered as in answer to our letter of the same date to Mr. F. Roy Stone.

Will you kindly review the May 7 letter and determine whether or not it is sufficient to relieve the Boomerang Mining Company and F. Roy Stone of further obligation for royalty and lien.

It is requested that you take such further action as you deem appropriate.

Frank E. Johnson

ACTING Administrator

Attachments 2

MChing/gla
5-29-56
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Ching
May 21, 1956

United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

RE: Docket No. DMEA - 2446 (uranium)
Contract No. Idm-E445
Grand County, Utah

Gentlemen:

In answer to your letter of April 26, 1956, we have enclosed a letter addressed to the Bureau of Mines which we have secured from the Secretary-Treasurer of the Croff Oil Company.

If the attorneys for the DMEA believe that an additional instrument should be drawn and recorded with the mining deeds from J. F. Martin & Company to the Croff Oil Company, we can obtain them. If there are any government forms required we would appreciate receiving them.

Should the enclosed letter fail to relieve us of the responsibility for payment of royalty, we would appreciate information from the DMEA Legal Staff as to what precise action we should take.

Very truly yours,

BOOMERANG MINING COMPANY

Frank E. Woodard, Partner

Encl: 1
FEW:dl
May 7, 1956

The United States Dept. of The Interior
Bureau of Mines
Washington 25, D. C.

Re: Docket No. DMEA 2446
Contract IPM-E 445
Boomerang Mining Co.
Grand County, Utah

Gentlemen:

This letter is to advise you that Croff Oil Company is presently the owner of the Bonanza Numbers 1, 2 and 6, The Urantah Numbers 1 and 2, and the Grandco Numbers 1, 2 and 3. Said claims were subordinated to the above described contract and when purchased by Croff Oil Company were purchased subject to the subordination agreement and the existing liability to be repaid out of the gross proceeds from mining.

Very truly yours,

Croff Oil Company

By Maxwell Bentley
Maxwell Bentley
Secretary-Treasurer
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.

224 New Castlehouse
Denver 2, Colorado

April 26, 1956

Memorandum

To: S. R. Wilson

From: Executive Officer, MSHA Field Team, Region III

Subject: Request MSHA 2446 (Uranium), Contract LM-445, Boomyang Mining Company (Borax, Uranium and Grandco claims), Grand County, Utah

In reply to our memorandum of March 16, 1956 requesting advice regarding royalty requirements for the subject contract, letter of April 23, 1956 from the Chairman, Operating Committee has been received. Proposed letters referred to were approved and sent to the original operator and owner as suggested by Mr. Selsfridge.

A photocopy of above correspondence is herewith furnished for your files.

W. M. TRAVER
W. M. Traver

Enclosures

EM/3R
cc: Royalty File E445 w/copy
    General Royalty File w/copy
    Sec. Opr. Comm. (R)
    W. M. Traver w/copy
    Chron.
The Executive Officer, Region III, has submitted to us copies of instruments transferring your interests and the interest of F. Roy Stone in the land which was the subject of an exploration project under the subject contract.

It would appear from our review of these instruments that the rights of the Government with respect to royalty on production and the liens to secure same have been ignored. Your letter dated January 25, 1956, to the Executive Officer stated, in effect, that J. F. Martin & Company accepted its option to buy the land "with full knowledge of the Government's right to a percentage royalty ... and lien ..." and that Croft Oil Company is operating the property "with due regard to payment of 5% royalty ... to the Defense Minerals Exploration Administration ..." However, although the Government has been receiving royalty, we have no written evidence that these companies assumed such obligations. On the contrary, the evidence submitted indicates that Croft Oil Company has been deeded a title clear of the Government's lien.

We direct your attention to Article 7 of the contract which provides, in pertinent part, that: "The Operator shall not make any ... transfer or conveyance of the Operator's rights in the land ... without making suitable provision for the Government's right to a percentage royalty on production and lien for the payment thereof ..." The article also provides that in the event of violation of this provision "... the Operator shall be and remain liable for payment ..." of the Government's royalty. In the absence of written evidence of an agreement wherein your transferee assumes the obligation for royalty and lien, it is our view that the transfer of your interests in the land did not make "suitable provision" for the preservation of the Government's royalty and lien, and the Government shall continue to hold you accountable for payment of royalty.
We have also noted that J. Roy Stone conveyed his interest in the land in question without preserving the lien, which he granted to the Government in the Consent-to-Lien form executed by him, and, in a separate letter, we shall inform him of his default under this obligation.

Sincerely yours,

Administrator

HCRubin/emd
4/19/56

Copy to: DMEA Docket
Adm. R. File
Operating Committee
T. H. Kilsigaard, USGS
J. E. Crawford, USBM
Field Team, Reg. III (2)
E. W. Ellis
J. L. Chambers
R. P. Dwyer
H. C. Rubin
chron.
pending
Mr. F. Roy Stone
Globe, Colorado

Re: Docket No. DMEA-2446 (Uranium) Boomerang Mining Company Monarch, Urankah, and Grand Co. claims Grand County, Utah Contract No. Idm-2445

Dear Mr. Stone:

The Executive Officer, Region III, has furnished us with a copy of the Special Warranty Deed dated September 28, 1954, by which you transferred your interest in certain unpatented mining claims to James F. Martin & Company. In this deed you undertook that the conveyance was "free and clear of and from any and all liens or encumbrances placed thereon . . ." by you.

We should like to remind you of the Consent-to-Lien forms executed by you on November 9, 1952, and September 28, 1953, in which you granted to the Government liens, to secure royalty, upon the same claims as those conveyed in the Special Warranty Deed previously referred to above, and you also undertook to "commit no act nor assert any claim that may contravene or conflict with the lien . . . .

We consider the warranty, in the conveyance to James F. Martin & Company, that you had not placed any lien upon the land, as being in conflict with your prior undertakings in the Consent-to-Lien forms which you executed and as such a default of said commitments. Accordingly, the Government shall continue to look to you to secure any royalty that may be due it under the subject contract.

Sincerely yours,

O. O. Metzger (el)
Administrator

HCRubin/emd
4/19/56
Copy to: DMEA Docket
Adm. R. File
Operating Committee
T. H. Kilsgaard, USGS
J. E. Crawford, USBM
Field Team, Reg. III (2)
E. W. Ellis

J. L. Chambers
R. P. Dwyer
H. C. Rubin
chron.
pending
Mr. W. M. Traver Executive Officer  
DMEA Field Team, Region III  
224 New Customhouse  
Denver 2 Colorado  

Re: Docket No. DMEA-3446 (Uranium)  
Boomerang Mining Company  
Bonanza Uranite, and Grandco Claims  
Grand County, Utah  
Contract No. Idm-2445  

Dear Mr. Traver:  

We have reviewed your memorandum dated March 16, 1956, to the Operating Committee, concerning the several conveyances of the land which is subject to royalty pursuant to the provisions of the subject contract.  

Attached hereto are proposed letters from the Administrator to the Operator, and to Mr. F. Roy Stone who signed Consent-to-Lien forms, which we believe express the rights of the Government against each party. If you agree with the contents of the letters, please send them on.  

The essence of your memorandum is that you have difficulty, in some cases, in keeping abreast of transfers that are made of a given piece of property, and you believe that recording of the Government's lien is the best method of doing so.  

The contract form involved in this case (1952 form) requires, as is stated in our letter to the Operator, that the Operator make suitable provision for the Government's right to royalty and lien in the event of the transfer of its interest in the land. It provides further, that should the Operator violate this provision it remains liable for royalty. This contract form is not very specific as to what constitutes "suitable provision." However, we have taken the position that anything less than written assumption of the obligation to pay royalty and lien is not a "suitable provision." You will note that the latest contract forms (Revised 1954) spell out this requirement with particularity, requiring that an operator include in any instrument of transfer an express reference to and provision for preservation of the Government's right to royalty and lien.  

Our memorandum dated February 21, 1956, discussed the problem raised in your March 16, 1956, memorandum in connection
with Gateway Mining and Development Company Contract Lmn-5403, and it was stated therein that:

"There is little question that recording the Government's lien would give greater security for the Government's claim for royalty. However, in the past, the decision not to require recording of liens has always been dictated by practical considerations, discussed in the enclosures referred to above. Apart from the problem of collecting royalty, even if a lien were recorded you would be no better off in tracking down the current landowner or landholders; you would still have to seek them out if you wished to know who they are and had not been informed as to their identity."

After reviewing your letter our opinion remains unchanged for the same reasons that we have previously given.

We are in sympathy with your problems, and it is not expected that you perform the impossible in connection with your efforts to collect royalty. In general, in the absence of proper information from an operator that the land has been transferred subject to the Government's royalty and lien, you should communicate with him directly concerning royalty matters. Physical inspection of an operation, contemplated by BLM Circular 12, usually will disclose occupancy of the land by a transferee, in the case of a transfer of which the Government has not been properly informed. Where you determine it to be necessary, Circular 12 also suggests methods of verifying production figures. Of course, you should continue to submit to us difficult cases and cases of irregularity.

It is noted that in the instant case the Operator's letter dated January 22, 1956, to you states that Croft Oil Company is operating the property with knowledge of the Government's right to royalty, and that Croft, in fact, is paying royalty. You are advised to continue accepting royalty from that Company.

We expect that our letters to Bucqvarum and Stone will bring forth more satisfactory information concerning the transfer of land. Should they not, we will take further action.

Sincerely yours,

George C. Seifridge
Chairman, Operating Committee

N. E. Nelson
Member, Geological Survey

[Signatures]
Mr. Donald T. Finch  
DMD Auditor  
224 New Customhouse Building  
Denver 2, Colorado  

Re: First Report of Royalty Review  
Deming Mining Company  
Contract Xx-3435, Docket DMA-346  

Dear Mr. Finch:  

The three copies of your First Report of Royalty Review, covering the referenced project, which were submitted with your letter of April 12, 1956, are returned herewith for such revision as may be indicated by the following comments.  

In the third paragraph the reference should be to a Report of Review in lieu of a final audit rather than to an audit report.  

In the fifth paragraph reference is made to the check sheet of the examining engineer dated October 19, 1955. Inasmuch as your review covers a period ending March 21, 1956, a more current check sheet is required. Furthermore, the engineer's entry under item 8 of the check sheet indicates shipments since July 29, 1955, on which royalty has not been paid, whereas your schedule No. 1 indicates royalties have been paid on all shipments since January 6, 1954.  

Reason number 1 of the sixth paragraph states that all sales through August 15, 1955, have been accounted for in the report. This statement possibly could be inferred as an indication that subsequent sales have not been accounted for.  

Reason number 2 does not appear to be an adequate or justifying reason for a review in lieu of an audit. The mere fact that royalty payments have been made by the "Purchaser" (name not given) rather than by the Operator or his successor does not prove that all shipments have been accounted for.  

It is noted that this report does not follow the general format as discussed on pages 17 to 19 and shown by examples on pages 20 to 24 of the royalty audit manual. It is suggested that your report be revised to follow the prescribed general format. In doing so, it appears that your second, third and fourth paragraphs should be combined as a second paragraph together with a statement that royalty is due from all...
production until November 4, 1962. Your present reasons nos. 1 and 2 in your sixth paragraph should be combined with your fifth paragraph as a third paragraph to fully explain the extent of your review. Your present reasons nos. 3 and 4 are the only reasons required to be presented in justification for the review in lieu of an audit.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
April 17, 1956

Copy to: Docket
Admr. Reading File
Mr. Chambers
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

March 27, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: The Administrator

Subject: Docket No. DPEA-2166 (Uranium)
Contract No. Idm-Mkh5
Bonneville Mining Company
Corvusite Mins
Grand County, Utah

Reference is made to the Region III Executive Officer's memorandum of March 16, 1956, to the Chairman, Operating Committee, regarding the questions that have arisen due to the transfer of properly involved in the subject project.

Will you kindly review the memorandum and related documents and give us your views as to the proper procedure in handling cases of this nature.

C.O.M.

Administrator

MChing/gla
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Ching
March 27, 1956

Mr. Charles V. Woodard
Boomerang Mining Company
P. O. Box 52
Grand Junction, Colorado

Re: DMEA Docket 2446 (Uranium), Contract IDM E445, Boomerang Mining Company, (Bonanza, Upright, and Grandco Claims), Grand County, Utah

Dear Mr. Woodard:

In your letter dated February 20, 1956, you stated that if the settlement sheets we requested from you were not received by February 25, 1956 you intended to request duplicate copies from the various mills. As a considerable time has elapsed since this date we again request that you obtain one copy of each for our files by April 16, 1956. These settlement sheets are needed in order that the royalty audit started some time ago can be completed.

Yours very truly,

W. M. TRAVER,

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

RB:ab

cc: Royalty File E445
Sec. Op. Comm. (2)
S. R. Wilson
D. Finch
Berk
Chron.
224 New Customhouse
Denver 2, Colorado March 20, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DM&E Field Team, Region III

Subject: DM&E Docket 2446 (Uranium), Contract IDM-1445, Croff Oil Company (formerly Boomerang Mining Company), Grand County, Utah

Enclosed are one photocopy each of three deeds relative to change of ownership for the subject DM&E property to Croff Oil Company.

W. M. TRAVER

W. M. Traver

Enclosures

vj

cc: Royalty File E445
    Sec. Opr. Comm. (2)
    Chron.
Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 2446 (Uranium), Contract Idm-E445, Croff Oil Company (formerly Boomerang Mining Company), Grand County, Utah

Reference is made to recent correspondence between this office and Croff Oil Company, Boomerang Mining Company and S. R. Wilson. We have attempted to establish the chain of ownership for lands subordinated to the Government under Contract Idm-E445 by requesting copies of all legal documents relating to the sale of the properties subsequent to the date of the contract, November 4, 1952, so we can determine which corporations or individuals are justly liable for payment of royalties due the Government.

Following is a short resume' of transactions subsequent to November 3, 1952 which affect either the property ownership or the Government's claim to royalty payments or both:

1. November 3, 1952 - Owner's Consent to Lien (Government Form MF-203) signed by F. Roy Stone, owner of one-half interest in the following unpatented claims which are the subject of exploration under DMEA Contract Idm-445: Bonanza Nos. 1 and 2, Grandco Nos. 1, 2 and 3, and Uranthah Nos. 1 and 2.

2. November 4, 1952 - DMEA Contract Idm-E445 between the Government and Boomerang Mining Company, a partnership consisting of Harold C. Anderson, Frank E. Woodard and Charles V. Woodard was signed by all three partners of above company. Contract specifies that Boomerang Mining Company is owner of one-half interest and lessee of one-half interest in the seven claims listed in Paragraph 1.

3. September 28, 1954 - Special Warranty Deed signed by F. Roy Stone Conveying to the James F. Martin and Company,
Stone's undivided one-half interest in all the claims subordinated to the Government under DMEA Contract Idm-E445 and additional claims which are of no interest to DMEA. This deed specifically states that said mining claims "are free and clear of and from any and all liens or encumbrances placed thereon by him" (F. Roy Stone). Mr. Stone has in effect given clear title to his one-half interest when he did not have clear title to convey. Reference Owner's Consent to Lien form dated November 3, 1952 (See Paragraph 1 above).

4. October 4, 1954 - Option to Purchase above claims and others not concerning DMEA given to James F. Martin and Company. Document signed by Charles V. Woodard and Frank E. Woodard. Mention is made therein of an additional document conveying Harold C. Anderson's one-sixth interest in the property to James F. Martin and Company. We do not have a copy of this document. The October 4, 1954 Option makes no reference to the Government's lien and does not require the payment of future DMEA royalties by James F. Martin and Company.

5. January 25, 1955 - Option Agreement for the purchase of all claims held by James F. Martin and Company (the Corvusite Mine) given to Walter D. Nebeker, Jr., an individual. The Corvusite Mine includes the seven claims listed in DMEA Contract Idm-E445. Mr. Nebeker is the President of Croff Oil Company and the negotiation was evidently made for the benefit of Croff Oil Company.

6. February 1, 1955 - Mining deed granting clear title to James F. Martin and Company signed by Frank E. and Charles V. Woodard and Harold C. Anderson. Deed makes no provision for DMEA royalty payments.

7. March 7, 1955 - Mining Deed conveying full ownership in the Corvusite Mine (all claims listed) to the Croff Oil Company. Deed was signed by all members of the partnership which operated under the name of James F. Martin and Company.

Two copies of all the above documents which are not in your files are transmitted herewith.

As this matter constitutes a typical example of the ownership and royalty repayment questions which confront the DMEA Region III office frequently, we are at this time requesting advice and an official ruling from you. We recommend that this example be thoroughly reviewed by the DMEA legal department and that we be furnished a precise statement of the DMEA policy to be followed in this and similar cases.
Both James F. Martin and Company and the Croff Oil Company in this specific case were given clear title to the property subordinated to the Government under DMEA Contract Idm-E445. None of the documents attached hereto states that a DMEA royalty lien exists. The following questions are considered to be important both now and in future instances that are bound to arise—especially in cases of DMEA Contracts in which uranium is the commodity:

Q-1. Is Croff Oil Company legally liable for payment of DMEA royalties or are the original applicants and landowners the only ones legally liable.

Q-2. Can royalty payments offered by Croff Oil Company be rightfully accepted by DMEA in this case. If Croff Oil Company has a clear title to the property as evidenced by documents is it fair to Croff to accept payment made in their own name and not for the benefit of the original applicants and landowners. Croff Oil is voluntarily paying royalty to DMEA but we have no documentary evidence on which to base a royalty demand if at some future date they refused to pay. We believe Croff Oil Company to be unjustly paying DMEA royalties based on the wording of Article 7 of Contract Form MF-200A (February 1952) which is quoted in part; "Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production." The provision referred to in the quoted material means the adequate provision for the Government's royalty payment. A verbal agreement regarding royalty payments may have been made. We would, however, prefer a written document.

W-3. How can we insure that the DMEA is informed of changes in the ownership of DMEA properties. It has been our experience in most cases that changes in ownership after the termination date of DMEA contracts are made known to this office only after a considerable time lapse, and usually not by the operator. Also, hardly any of the owners make suitable provisions for the payment of DMEA royalties. Semi-annual reports furnish information regarding ownership in some cases but this information is not always available. Lease agreements are as important for our purposes as sale agreements. If the DMEA is not informed of the lease agreement, a lessee shipping ore under his own
name could easily evade the payment of DMEA royalties, even though the owner had made provisions for the payment of royalties. Some method of forcing the operator or property owner to provide adequate information regarding sales or leases after the termination of DMEA Contracts should be required and recording the lien would appear to be the best method of assuring adequate protection of the Government's royalty interest.

We do not believe the personnel of this office, versed mainly in engineering, possess sufficient knowledge of the legal intricacies or DMEA probable policy in this and similar cases to logically initiate correspondence relative to these matters. We could unintentionally make statements that would conflict with past or future official rulings. We believe that a firm and definite ruling applicable in all cases is warranted for the benefit of the DMEA program.

Please furnish instructions to questions raised and inform us what action, if any, we should take in this particular case.

W. M. Traver

Enclosures
THIS INDENTURE, made this 28th day of September, 1954, between F. ROY STONE of Montrose County, Colorado, party of the First Part, and JAMES F. MARTIN & COMPANY, party of the second part.

That the said party of the First Part, for and in consideration of the sum of Ten Dollars ($10.00) and other valuable consideration, to him in hand paid by second parties, receipt whereof is hereby acknowledged, has granted, bargained and sold, and by these presents does grant, bargain, sell and convey unto the said parties of the Second Part, their heirs and assigns, an undivided one-half interest in all of his right, title and interest in and to the following described unpatented lode mining claims in the West Gateway Mining District, County of Grand, State of Utah, to-wit:

<table>
<thead>
<tr>
<th>Name of Claim</th>
<th>Location Certificate</th>
<th>Recorded in Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grandco No. 1 to No. 7, both inclusive</td>
<td>9J</td>
<td>31 - 36, 577 &amp; 578</td>
</tr>
<tr>
<td>Urantah No. 1 to No. 8, both inclusive</td>
<td>9J</td>
<td>31 - 36, 254 &amp; 255</td>
</tr>
<tr>
<td>Bonanza No. 1 to No. 7,</td>
<td>9L</td>
<td>151 &amp; 351</td>
</tr>
<tr>
<td>Corvusite No. 6 to No. 15, both inclusive, and No. 17 and No. 18</td>
<td>9J</td>
<td>31 - 36, 254 &amp; 390, 409</td>
</tr>
<tr>
<td>Confliction</td>
<td>9J</td>
<td>207</td>
</tr>
</tbody>
</table>

Except that said Grandco No. 2 and No. 3 are subject to the prior right of Prospect No. 2 and Surepay claims heretofore conveyed;

as set forth in the records of the recorder of said Grand County, State of Utah, to which records reference is hereby made for a more particular description of said mining claims.

TOGETHER with all and singular the lodes and veins within the lines of said claims and the dips, spurs, mines, minerals, dumps, fixtures, improvements, rights, privileges and appurtenances thereunto in any wise belonging.

TO HAVE AND TO HOLD the lands, tenements and hereditaments hereby conveyed unto the said parties of the Second Part, their heirs and assigns forever.

And the said party of the First Part, for himself, his heirs, executors and administrators does hereby covenant and agree with the said parties of the Second Part, their heirs and assigns, that the said mining claims, and each of them, are free and clear of and from any and all liens or encumbrances placed thereon by him, and that he, the said party of the First Part, his executors and administrators, unto the said parties of the Second Part, their heirs, and assigns, the said mining claims, and each of them, against himself,
his heirs and assigns, and every other person lawfully claiming or to claim the same, or any part thereof, shall and will warrant by, through or under the said party of the First Part, and forever defend, always saving and excepting the United States of America.

IN WITNESS WHEREOF, the said party of the First Part has hereunto set his hand and seal.

s/ F. Roy Stone (SEAL)

STATE OF COLORADO ) ss.
COUNTY OF MONTROSE )

The foregoing instrument was acknowledged before me this 28th day of September by F. ROY STONE.

WITNESS my hand and notarial seal.

My commission expires January 16, 1956.

s/ Lela Ross (SEAL)
Notary Public
THIS AGREEMENT, Made and entered into this 11th day of October, 1951, by and between Frank E. Woodard and Charles V. Woodward, First Parties, and James F. Martin and Company, Second Party, WITNESSETH:

In consideration of the payment of One Thousand Dollars by Second Party to First Parties, receipt whereof is hereby acknowledged, First Parties hereby grant and give to Second Party the exclusive option to purchase from First Parties all of their undivided interest in and to the following described unpatented mining claims situate, lying and being in West Gateway Mining District, Grand County, State of Utah, to-wit:

Grandco No. 1 through No. 7
Urantah No. 1 through No. 8
Bonanza No. 1 through No. 7
Corvusite No. 6 through No. 15 and No. 17 and No. 18
Confliction
(Except that Grandco No. 2 and No. 3 are subject to the prior right of Prospect No. 2 and Surepay claims heretofore conveyed.)

The total purchase price to be paid to First Parties for their entire interest in said claims shall be Sixty Three Thousand Dollars ($63,000.00) which shall be paid as follows: One Thousand Dollars already paid and herein acknowledged; Fifteen Thousand Dollars on or before December 28, 1951, and the balance of Forty Seven Thousand Dollars ($47,000.00) on or before April 15, 1955.

First Parties agree that, in consideration of the foregoing, upon receipt of the above mentioned payment of Fifteen Thousand Dollars on or before December 28, 1954, that First Parties will: 1) Assign all of their interest in and to all of the equipment and personal property of the Boomerang Mining Company on the mining claims heretofore described to Second Party. 2) Execute a quit claim deed to Second Party conveying all of their right, title and interest in and to the above mentioned mining claims and the buildings and improvements thereon. 3) Assign to Second Party all of their interest in a certain agreement dated February 23, 1951, between Boomerang Mining Company and Columbus Rexall Consolidated Mines Company.

First Parties further agree that they are hereby assigning all of their rights and interests in and to that certain agreement between Charles V. Woodward and F. Roy Stone to Second Parties herein. Said agreement is an option whereby Charles V. Woodward is shown to have paid F. Roy Stone the sum of Five Thousand Dollars as a down-payment toward the total purchase price of Stone's interest in and to the identical mining claims which are the subject of this agreement.
It is agreed between the parties that in the event Second Party exercises only the option from Stone that Second Party will thereby own an undivided one-half interest in the premises. Further, Second Party agrees that in the event Second Party exercises both the Stone and Anderson options, and fails to make the above mentioned Fifteen Thousand Dollar ($15,000.00) payment to First Parties on or before December 28, 1954, then, and in that event only, Second Party agrees to transfer to First Parties, as liquidated damages under this agreement, the undivided one-sixth (1/6) interest Second Party acquired by exercising the option from Harold Anderson.

First parties agree further that after the receipt by them of the Fifteen Thousand Dollar payment due them on or before December 28, 1954, that they will then, upon request by Second Party, give notice to Columbus Rexall of their intention to cancel and terminate the lease now held by Columbus Rexall. This particular lease involves the same claims that are the subject matter of this agreement.

PROVIDED, HOWEVER, Second Party agrees that in the event Second Party fails to make the final payment to First Parties of Forty Seven Thousand Dollars ($47,000.00) on or before April 15, 1955, that Second Party will execute a quit claim deed to First Parties conveying to them the identical interest which First Parties have theretofore conveyed to Second Party as a result of this agreement. In this event First Parties will be entitled to keep as liquidated damages all payments theretofore paid to First Parties under this agreement.

It is agreed between the parties hereto that this agreement shall be binding upon the heirs, successors, assigns and personal representatives of the parties hereto.

IN WITNESS WHEREOF, The parties have this day caused this instrument to be executed.

/s/ Charles V. Woodard
Charles V. Woodard

/s/ Frank E. Woodard
Frank E. Woodard

/s/ James F. Martin
James F. Martin
For James F. Martin and Company
OPTION AGREEMENT

THIS AGREEMENT, made and entered into this 30th day of January, A.D. 1955, by and between JAMES F. MARTIN & COMPANY, a limited partnership, of Grand Junction, Mesa County, Colorado, hereinafter referred to as party of the first part, and WALTER D. MARTIN, JR., of 300 Pacific National Life Building, Salt Lake City, Utah, hereinafter referred to as party of the second part, WITNESSETH:

WHEREAS, said first party is purchasing the Convacite Mine which consists of approximately thirty-three (33) claims on Beaver Mesa, Grand County, Utah, including all equipment and improvements thereon.

WHEREAS, first party hereby gives second party, or his assigns, an option to purchase the aforementioned mine for a total sum of $175,000 to be paid in the following manner, to-wit:

$2,000 in cash, the receipt of which is hereby acknowledged by first party.

$13,000 to be paid on or before January 31, 1955.

$30,000 to be paid on or before March 1, 1955.

$30,500 to be paid on or before May 1, 1955.

$30,500 to be paid on or before August 1, 1955.

$30,500 to be paid on or before November 1, 1955.

The balance, to-wit: $30,500 to be paid on or before February 1, 1956, making a total purchase price of $175,000.

The aforementioned payments are to be made to James F. Martin & Company, 317 Main Street, Grand Junction, Colorado.

IT IS UNDERSTOOD BY AND BETWEEN the parties hereto that first party has an obligation on the aforementioned property to be met February 1, 1955, therefore, time is of the essence, and second party agrees that he will notify first party by telephone on or before Friday noon, January 28, 1955, whether or not he considers this a binding contract and will exercise the option. In the event second party does not care to exercise the aforementioned option, first party may retain the said $2,000 payment as liquidated damages. Second party further agrees that in the event said option
is not exercised, that he will loan first party $13,000 in order that first party may meet his obligation, said loan to be for a period of ninety (90) days, interest payable at the rate of six per cent (6%) per annum.

WHEREAS, second party is given until February 10, 1955 in which to check over the title and engineering reports regarding the said Corvusite Mine, and in the event second party finds that the property has a defective title or there has been any misrepresentations regarding the property, first party will, within ten (10) days thereafter, advise second party whether or not he will remedy the said defect and in the event he agrees to do so, second party will make the March 1, 1956 payment of $30,000. On the other hand, if first party, within said ten (10) day period, elects not to remedy the said defect, then second party is given the privilege of either remedying the said defect at his own expense and make said March 1, 1956 payment, or consider the option cancelled and said $13,000 payment previously made by second party to be considered a loan as heretofore outlined.

IT IS FURTHER UNDERSTOOD between the parties that all reports, maps and other detailed tutorial regarding this property shall be conveyed to second party on the fulfillment of this agreement, and further, that all said documents are at all times available to second party. On the fulfillment of this option by second party, first party agrees to convey the aforementioned mining claims, equipment and improvements thereon, by Quit-Claim Mining Deed.

IN WITNESS WHEREOF, the parties hereto have set their hand and seal the day and year first above written.

JAMES P. MARTIN & COMPANY

/s/ Walter D. Hecker, Jr. /s/ James P. Martin
Party of the Second Part

/s/ Walter D. Hecker, Jr. /s/ James P. Martin
Party of the First Part
THIS INDENTURE, made this first day of February, in the year of our Lord one thousand nine hundred fifty five, between FRANK E. WOODARD and CHARLES V. WOODARD of Grand Junction, County of Mesa, State of Colorado, and HAROLD C. ANDERSON of Montrose, County of Montrose, State of Colorado, parties of the first part, and JAMES F. MARTIN AND COMPANY, a limited partnership composed of James F. Martin, general partner, Frank L. Seymour, general partner, and Amos L. Raso, limited partner, dba. JAMES F. MARTIN AND COMPANY, 317 Main Street, Grand Junction, County of Mesa, State of Colorado, parties of the second part, WITNESSETH:

That the said parties of the first part, for and in consideration of the sum of Ten Dollars and other good and valuable consideration, to them in hand paid by the said parties of the second part, the receipt whereof is hereby acknowledged, have granted, bargained, sold, remised, released and forever quit-claimed, and by these presents do grant, bargain, sell, remise, release and forever quit-claim unto the said parties of the second part, their heirs, and assigns, the following described property, situate, lying and being in West Gateway Mining District, Grand County, State of Utah, to wit:

<table>
<thead>
<tr>
<th>Name of Claim</th>
<th>Location Certificate recorded in Book and Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grandco No. 1 to No. 7,</td>
<td>9J 31 - 36</td>
</tr>
<tr>
<td>both inclusive, also</td>
<td></td>
</tr>
<tr>
<td>known as Grand Co. No. 1</td>
<td></td>
</tr>
<tr>
<td>to No. 7, both inclusive</td>
<td></td>
</tr>
<tr>
<td>Uranata No. 1 to No. 8,</td>
<td>9J 254 &amp; 255</td>
</tr>
<tr>
<td>both inclusive, also</td>
<td></td>
</tr>
<tr>
<td>known as Uranata and</td>
<td></td>
</tr>
<tr>
<td>Uranata and claim No. 7</td>
<td></td>
</tr>
<tr>
<td>also known as Uranata</td>
<td></td>
</tr>
<tr>
<td>Romana No. 1 to No. 7,</td>
<td>9J 21 - 23</td>
</tr>
<tr>
<td>both inclusive</td>
<td></td>
</tr>
<tr>
<td>Convolute No. 6 to No. 15,</td>
<td>9J 21 - 23</td>
</tr>
<tr>
<td>both inclusive, and</td>
<td></td>
</tr>
<tr>
<td>No. 17 and No. 19</td>
<td></td>
</tr>
</tbody>
</table>

Except that said Grandco No. 2 and No. 3 are subject to the prior right of Vermona No. 2 and Saropy claim in accordance foreseen.

Together with all equipment and improvements thereon.
TOGETHER with all the dips, spurs, and angles, and all the metals, ores, gold and silver-bearing quartz, rock and earth therein, and all the rights, privileges and franchises thereto incident, appendant and appurtenant, or therewith usually had and enjoyed; and all and singular the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining, and the rents, issues and profits thereof; and all the estate, right, title, interest, claim and demand whatsoever, as well in law as in equity, of the said parties of the first part, of, in or to the said premises, and every part and parcel thereof, with the appurtenances.

TO HAVE AND TO HOLD, all and singular, the said premises, together with the appurtenances and privileges thereto incident, unto the said parties of the second part, its heirs and assigns forever.

IN WITNESS WHEREOF, the said parties of the first part have hereunto set their hands and seals the day and year first above written.

s/ Frank E. Woodard
s/ Charles V. Woodard
s/ Harold C. Anderson

STATE OF COLORADO )
COUNTY OF MESA ) ss.

THE foregoing instrument was acknowledged before me this fourth day of March, A.D. 1955, by Frank E. Woodard, Charles V. Woodard and Harold C. Anderson.

My Commission expires February 17, 1959.

s/ Daurice A. Hall
Notary Public

(SEAL)
MINING DEED

THIS INDENTURE, made this seventh day of March, in the year of our Lord one thousand nine hundred fifty five, between JAMES F. MARTIN AND COMPANY, a limited partnership composed of James F. Martin, general partner, Frank L. Seymour, general partner, and Amos L. Raso, limited partner, dba. JAMES F. MARTIN AND COMPANY, 317 Main Street, Grand Junction, County of Mesa, State of Colorado, parties of the first party, and CROFF OIL COMPANY of Salt Lake City, County of Salt Lake, State of Utah, party of the second part, WITNESSETH:

That the said parties of the first part, for and in consideration of the sum of Ten Dollars and other good and valuable consideration, to them in hand paid by the said parties of the second part, the receipt whereof is hereby acknowledged, have granted, bargained, sold, remised, released and forever quit-claimed, and by these presents do grant, bargain, sell, remise, release and forever quit-claim, unto the said parties of the second part, their heirs and assigns, the following described property, situate, lying and being in West Gateway Mining District, Grand County, State of Utah, to wit:

<table>
<thead>
<tr>
<th>Name of Claim</th>
<th>Location Certificate recorded in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grandco No. 1 to No. 7, both inclusive, also known as Grand Co. No. 1 to No. 7, both inclusive</td>
<td>9J 31 - 36</td>
</tr>
<tr>
<td>Urantah No. 1 to No. 8, both inclusive, also known as Uranatata and Uranata and calims no. 7, also known as Uraniuah</td>
<td>9J 31 - 36</td>
</tr>
<tr>
<td>Bonanza No. 1 to No. 7, both inclusive</td>
<td>9L 151 &amp; 351</td>
</tr>
<tr>
<td>Corusite No. 6 to No. 15, both inclusive, and No. 17 and No. 18</td>
<td>9J 31 - 36</td>
</tr>
<tr>
<td>Confliction</td>
<td>9J 207</td>
</tr>
</tbody>
</table>

Except that said Grandco No. 2 and No. 3 are subject to the prior right of Prospect No. 2 and Surepay claims heretofore conveyed.

Together with all equipment and improvements thereon.
TOGETHER with all the dips, spurs and angles, and all the metals, ores, gold and silver-bearing quartz, rock and earth therein, and all the rights, privileges and franchises thereto incident, appendant and appurtenant, or therewith usually had and enjoyed; and all and singular the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining, and the rents, issues and profits thereof; and all the estate, right, title, interest, claim and demand whatsoever, as well in law as in equity, of the said parties of the first part, of, in or to the said premises, and every part and parcel thereof, with the appurtenances.

TO HAVE AND TO HOLD, all and singular, the said premises, together with the appurtenances and privileges thereto incident, unto the said parties of the second part, its heirs and assigns forever.

IN WITNESS WHEREOF, the said parties of the first part have hereunto set their hands and seals the day and year first above written.

s/ Frank L. Seymour (SEAL)

s/ James F. Martin (SEAL)

s/ Amos L. Raso

STATE OF COLORADO )
COUNTY OF MESA ) ss.

The foregoing instrument was acknowledged before me this seventh day of March, A.D. 1955 by Frank L. Seymour, James F. Martin and Amos L. Raso.

My Commission Expires February 17, 1959.

s/ Daurice A. Hall
Notary Public

(SEAL)
Memorandum

To: J. R. Wilson

From: Executive Officer, DMIA Field Team, Region III

Subject: DMIA Docket 2446 (Uranium), Contract Lim-E445, Boomerang Mining Company, Grand County, Utah

Please contact Mr. W. D. Nebeker, Jr., President of Croft Oil Company regarding matters contained in our December 23, 1955 letter, a copy of which we enclose for your convenience. In view of the poor success we have had in obtaining replies to letters addressed to Mr. Nebeker, we believe a personal visit to the Croft Oil Company office by yourself is again warranted.

Copies of Croft Oil Company's purchase agreement and assignment from W. D. Nebeker, Jr. and also the royalty payment of $370.85 are to be obtained if at all possible.

You can inform Mr. Nebeker that completion of the royalty audit referred to in our letter of December 23, 1955 has been temporarily deferred pending receipt of information relative to ore shipments made prior to the time Croft Oil acquired the property. Any additional royalty payments we may receive from previous operators, however, will not change the $370.85 due by Croft Oil. He can also be informed that on January 1, 1956 we had received $4,011.67 in royalties toward the repayment of this loan.

W. M. TRAVER

W. M. Traver

Enclosures

RDB/vj
cc: Royalty File E445
    Correspondence File E445
    Sec. Opr. Comm. (2)
    Berkeskotter
    Chron.
Dear Mr. Woodard:

We acknowledge receipt of your two letters dated January 25, 1956. As soon as we receive the settlement sheets you are obtaining from the J. P. Martin Co., we will have copies made for our files and advise you of the royalty due from these shipments. The original copies can be returned to you.

Your letter pertaining to the sale of the subject property gives an outline of the ownership from the effective date of Contract Idm-E445, but we are particularly interested in obtaining signed copies of the "Option to Purchase Agreement" given to J. P. Martin and Company, as stated in our January 18, 1956 letter. It is absolutely necessary that we have copies of this document in our files in order that we may determine which individuals or corporations are rightfully liable for the payment of the Government's royalty.

We have already obtained copies of the document between J. P. Martin & Company and Croft Oil Company, but the chain of ownership is incomplete without having copies of the document signed by the Boomerang Mining Company in our files.

An early reply to this matter will be greatly appreciated.

Yours very truly,

W. M. TRAVER

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

RDB/vj
cc: Royalty File E445 w/orig. ltrs.
    Sec. Opr. Comm. (2) w/copy ltrs
    S. R. Wilson w/copy ltrs
    Berkenkotter
    Chron.
January 25, 1956

DEFENSE MINERAL EXPLORATION ADMINISTRATION
Executive Office Region III
224 New Customhouse
Denver, Colorado

Attention: J.W. Townsend

Dear Mr. Townsend,

We gave all of our settlements sheets to J.F. Martin
of the J.F. Martin and Co., but have asked them to return
us the settlement sheets you requested in your letter
of November 17, 1955.

Here is as shown by our records:

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>U.S.V. Liq. No.</th>
<th>1952</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov</td>
<td>1-15</td>
<td>3877</td>
<td>$2529.09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>549</td>
<td>334.86</td>
</tr>
<tr>
<td>Nov</td>
<td>16-30</td>
<td>3980</td>
<td>1297.07</td>
</tr>
<tr>
<td></td>
<td></td>
<td>561</td>
<td>368.05</td>
</tr>
<tr>
<td>Dec</td>
<td>1-15</td>
<td>4014</td>
<td>3087.43</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4055</td>
<td>2357.39</td>
</tr>
</tbody>
</table>

The above figure of ($9,973.89) is the gross value of
ore containing 9,072.74 lbs of vanadium oxide (V2O5) and
1,657.96 lbs of uranium oxide (U3O8).

It was our understanding that this production was not
to be subject to royalty payment. Although the U.S.A.
Contract was effective November 4, 1952, after receiving it,
we made a request to postpone the starting date until
March 1953, this was granted by Amendment No. 1 to the Contract.

Later in July 1953, we requested a recess of operations,
this was granted by Amendment No. 2. In our letter of July 1,
1953, requesting the recess, we also defined the area, the
time, and the point at which the government would be
entitled to 5% of gross mill returns, this was agreed upon
by us and the DMA Representative. This was not accepted.

After the certification of discovery was received we
agreed to pay the 5% of gross mill returns on all ore mined
after the start of the drilling program. This we did in
our letter of November 2, 1953, to the Bureau of Mines,
Salt Lake City, accompanied by our check for $1,365.76.
This was accepted.

We will send you the settlement sheets as soon as we
receive them from Martin.

Yours truly,

Frank E. Woodard
Boomerang Mining Company
January 25, 1956

Defense Minerals Exploration Administration
Executive Office Region III
224 New Customhouse
Denver, Colorado

Re: Mine Sale, DMEA Docket 2446
(Uranium) Contract Idm-E445
Boomerang Mining Company
Bonanza et al Claims
Grand County, Utah

Attention; J.M. Townsend

Dear Mr. Townsend,

On October 4, 1954, Harold C. Anderson, Charles V. Woodard and Frank E. Woodard as individuals and acting separately gave the J.F. Martin and Co. and option to Purchase the Corvusite Mine and associated claims. They accepted the option with full knowledge of the government's right to a percentage royalty on production and lien for the payment thereof, the Contract Idm-E445 was a part of those agreements. At various times during 1955 these options were exercised.

Early 1955 the J.F. Martin & Co. sold their option to the Croff Oil Company of Salt Lake City. Permission was granted the Croff Oil Company by us to operate the Corvusite Mine, which they did operate it by lessees, with due regard to payment of 5% royalty on gross mill returns to be paid directly to the Defense Minerals Exploration Administration, 224 New Customhouse, Denver. The lessees are to furnish us with a yearly report of production for 1955. We should receive that presently.

Our final option and escrow agreement was completed November 30, 1955 at which time a deed was delivered to the J.F. Martin & Co.

We will endeavor to obtain from the Croff Oil Company an acknowledgement of the government's right to a percentage royalty on production and lien for the payment thereof, and will forward it to you.

We will further advise the J.F. Martin & Co. to notify in writing the D.M.E.A. 224 New Customhouse, Denver, when they deliver a deed and possession to the Croff Oil Company.

Yours truly,

cc. J.F. Martin & Co.
Boomerang Mining Company
Frank E. Woodard

[Signature]

[Signature]
Mr. Charles V. Woodard  
Bonnevue Mining Company  
Box 112, Gateway, Colorado  

Re: Royalty Payments, BMEA Docket 2446 (Bragdon)  
Contract Ida-R445, Bonnevue Mining Company  
Bonnevue, Brantley and Grandee Clauses  
Grand County, Utah  

Dear Mr. Woodard:

On November 17, 1955 we requested information from you regarding shipments of ore from the subject property subsequent to November 4, 1952. Again on December 22, 1955 we asked for this information, but to date we have not received an answer to either letter.

This is to inform you that if you do not furnish the information requested in our November 17, 1955 letter by February 15, 1956, we will have no alternative but to turn this matter over to our Washington office for whatever legal action is indicated. Enclosed is another copy of our letter of November 17, 1955.

We also call your attention to the provisions of Article 7 of Contract Ida-R445 which requires you to make suitable provisions for the preservation of the Government's right to a percentage royalty on production, and lien for the payment thereof, in case you transfer or convey your ownership rights to the property. According to information available to us, you and your partners have given an option to purchase to James F. Martin & Company and that this option was exercised.

We request that you furnish two signed copies, or photostat of signed copy, of this Option to Purchase Agreement between Bonnevue Mining Company and James F. Martin & Company. These two copies of this document should also be submitted by February 15, 1956.

Very truly yours,

W. M. TRAVER  
Executive Officer, BMEA  
Field Team, Region III
December 30, 1955

Clyde Monte
224 New Castoma House
Denver 2, Colorado

Re: Royalty payments, BMEA 2446 (Uranium),
Contract E445, Boomergang Mining
Company, Grand County, Utah

Dear Mr. Monte:

In compliance with your telephone request of this date, we
enclose a copy of our recent letter to W. R. Hebeker, President of
the Croff Oil Company. This letter will answer all your questions
and we will inform you of the outcome of the royalty audit as soon
as it is released.

Very truly yours,

[Signature]
W. M. Traver
Executive Officer, BMEA
Field Team, Region III

Enclosure

RDB/vj

cc: Royalty File E445
    Sec. Opr. Comm. (2)
    S. R. Wilson
    Berkenkotter
    Chron.
December 23, 1955

Mr. W. B. Nebeker, Jr., President
Croff Oil Company
309 Pacific National Life Building
P. O. Box 2045, Salt Lake City, Utah

Re: Royalty payments, DMEA Docket 2446
(Uranium), Contract HM-9445,
Boomerang Mining Company, Grand County, Utah

Dear Mr. Nebeker:

We have received a copy of the agreement between James P. Martin & Company and yourself pertaining to the purchase of the Corvusite mine. Will you please notify us when this transaction is completed on February 1, 1956 and furnish a copy of the assignment of your interests to the Croff Oil Company.

The following seven claims were subordinated to the Government under DMEA Contract HM-9445: Bonanza No. 1, Bonanza No. 2, Uranth No. 1, Uranth No. 2, Grande No. 1, Grande No. 2 and the Grande No. 3. Although you are purchasing thirty three claims in this area the royalty due the Defense Minerals Exploration Administration is to be paid on production from the above seven claims only. Please advise whether or not these claims are all included in the thirty three being purchased by you.

DMEA auditors are in the process of making a royalty audit for this contract and upon completion we will be in position to furnish you a complete statement as to royalty payments made by previous operators and the amount of indebtedness still due from future production. Royalty payments are due from all production from these seven claims until November 4, 1962 or until a total amount of $21,438.07 has been paid, whichever occurs first.

We enclose copies of our calculation sheet for Liquidation Nos. R-937 and R-975 showing the proration of production from the Bonanza No. 2 claim only and the computation of DMEA royalty due on these shipments. Also royalty at 5.0 percent of the full gross value of Liquidation No. R-905, amounting to $12.37 is due as this shipment. This production was from the Bonanza No. 2 claim.
In order to keep this account current please send your check for $370.65 to the Executive Officer, DMEA Region III, 224 New Customhouse, Denver 2, Colorado. All Government royalty checks are to be made payable to the Defense Minerals Exploration Administration.

Yours very truly,

E. R. Harshman  
Acting Executive Officer  
DMEA Field Team, Reg.III

Enclosures

RDB/vj

cc: Royalty File E445 w/calc. sheets  
Sec. Opr. Comm. (2) w/calc sheets  
S. R. Wilson w/calc. sheets  
Berkenkotter  
Chron.
Subscription to MNA hearing due.

July 23, 1955

Production from Eaucon No. 2 Claim only.
(Not considered as submitted to Government)

<table>
<thead>
<tr>
<th>Date</th>
<th>Max.</th>
<th>Min.</th>
<th>For Test</th>
<th>Formula</th>
<th>Grade</th>
<th>Formula</th>
<th>Grade</th>
<th>Formula</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/7</td>
<td>2286</td>
<td>18580</td>
<td>1.9</td>
<td>10,990.21</td>
<td>0.37</td>
<td>31.17</td>
<td>2.35</td>
<td>439.62</td>
<td></td>
</tr>
<tr>
<td>7/9</td>
<td>2289</td>
<td>32890</td>
<td>1.6</td>
<td>32,300.60</td>
<td>0.50</td>
<td>77.60</td>
<td>2.50</td>
<td>630.63</td>
<td></td>
</tr>
<tr>
<td>7/10</td>
<td>2220</td>
<td>35690</td>
<td>4.6</td>
<td>35,317.39</td>
<td>0.39</td>
<td>176.53</td>
<td>2.49</td>
<td>565.07</td>
<td></td>
</tr>
<tr>
<td>7/11</td>
<td>2356</td>
<td>35360</td>
<td>4.6</td>
<td>30,620.61</td>
<td>0.49</td>
<td>180.39</td>
<td>2.49</td>
<td>503.51</td>
<td></td>
</tr>
<tr>
<td>7/12</td>
<td>15920</td>
<td>35920</td>
<td>4.3</td>
<td>28,815.23</td>
<td>0.37</td>
<td>123.12</td>
<td>2.17</td>
<td>491.41</td>
<td></td>
</tr>
</tbody>
</table>

**Total**

- **$1,289.93**
- **$287.60**
- **$297.57**
- **$1,030.35**
- **$357.28**

**Total**

- **$1,287.60**
**Calculation of Annual Royalty Fee**

*Legislation No.: D-175*

**Production from Section No. 2 Claims only.**

*(Minerals not surrendered to Government)*

<table>
<thead>
<tr>
<th>Date</th>
<th>Section No.</th>
<th>Shipped Tons</th>
<th>Grade</th>
<th>Per Cent</th>
<th>Female</th>
<th>Box Tons</th>
<th>Grade</th>
<th>Female</th>
<th>Box Tons</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/23</td>
<td>3354</td>
<td>3120</td>
<td>5.3</td>
<td>53.20</td>
<td>1.25</td>
<td>53,198.80</td>
<td>5.3</td>
<td>20.35</td>
<td>1.47</td>
</tr>
<tr>
<td>7/30</td>
<td>3354</td>
<td>580.00</td>
<td>5.4</td>
<td>53.116.00</td>
<td>6.63</td>
<td>597.95</td>
<td>5.4</td>
<td>28.45</td>
<td>2.85</td>
</tr>
<tr>
<td>8/30</td>
<td>33307</td>
<td>89800</td>
<td>2.6</td>
<td>62.447.68</td>
<td>2.60</td>
<td>93,709.26</td>
<td>2.6</td>
<td>42.66</td>
<td>2.31</td>
</tr>
</tbody>
</table>

**Total**

<table>
<thead>
<tr>
<th>Royalty Payment</th>
<th><strong>$3,457.96</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Development Allowance</td>
<td><strong>$232.56</strong></td>
</tr>
<tr>
<td>Premium (at 151/2%)(1)</td>
<td><strong>$172.47</strong></td>
</tr>
<tr>
<td>Royalty Payment</td>
<td><strong>$933.67</strong></td>
</tr>
<tr>
<td>Mining Allowance</td>
<td><strong>$661.36</strong></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$4,993.65</strong></td>
</tr>
</tbody>
</table>

*NIIS Royalty at 5.0%*  
**$244.76**
Mr. Charles V. Woodard
Boomerang Mining Company
Box 112, Gateway, Colorado

Re: Royalty payments, DMEA Number 2446
(Uranium), Contract No. 2445, Boomerang Mining Company, Bonanza, Uranium and
Grandeoe claim group, Grand County, Utah

Dear Mr. Woodard:

Enclosed is a photo copy of our previous letter dated November 17, 1955. We would appreciate receiving an answer to questions contained therein by January 15, 1956.

Yours very truly,

R. N. Hershman
Acting Executive Officer
DMEA Field Team, Reg.III

Enclosure

RDB/vj

cc: Royalty File 2445
Sec. Opr. Comm. (2)
S. R. Wilson
D. T. Finch
Berkenkotter
Chron.
Memorandum

To: S. R. Wilson

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 2446 (Uranium), Contract Mm-E445, Boomerang Mining Company, Grand County, Utah.

November 18, 1955

We have attempted to obtain copies of the purchase agreement for the transfer of the subject property from Croff Oil Company officials but have not been successful. Please refer to letters addressed to this corporation under dates of September 6, 1955, September 15, 1955 and October 19, 1955.

In view of the disregard shown to our correspondence, we request that you or one of your representatives contact Mr. Nebeker to obtain the information required for our records. If you are not successful in this attempt please prepare a short memorandum explaining the situation. Royalty payments are being made by Croff Oil Company; therefore, their reluctance to furnish this information is not apparent.

W. M. Traver

By /J. W. Townsend

RDB/vj

cc: Royalty File E445
    Correspondence File E445
    Sec. Opr. Comm. (2)
    Berkenkotter
    Chron.
Mr. Charles V. Woodard  
Boomerang Mining Company  
Box 112, Gateway, Colorado  

Re: Royalty payments, BMMA Contract 2445  
(Uranium), Contract IDM-3445, Boomerang  
Mining Company, Bonanza, Uranium and  
Grandee Claims, Grand County, Utah  

Dear Mr. Woodard:  

A royalty audit for the subject BMMA contract is now in  
process. As a part of this audit the production from the Boomerang  
property subsequent to the date of Contract IDM-3445 (November 4, 1952)  
was checked with the Atomic Energy Commission. This agency verified  
the reported production from this property and in addition states  
that shipments were made during November and December, 1952 when ore  
containing 1,662.71 lbs. of U3O8 was shipped.  

We wish to advise that if this ore was mined from the Boomerang  
property on November 4, 1952 or afterwards, royalty is due the  
Government as per the terms of Contract IDM-3445.  

Please advise us whether this production is subject to BMMA  
royalty payments as explained above and send us copies of all applicable  
settlement sheets (four copies). We will photostat the required settle-  
ment sheets for our use if you do not have enough copies. Your originals  
can then be returned to you. We will compute the royalty due on this  
additional production and advise you.  

We do request your immediate attention to this matter in  
order that this first royalty audit can be completed.  

Yours very truly,  

W. H. Traver  
Executive Officer, BMMA  
Field Team, Region III  

RDB/vj  
cc: Royalty File E445  
Sec. Opr. Comm. (2)  
D. T. Finch  
Berkenkotter  
S. R. Wilson  
Chron.
Mr. W. D. Nebeker, Jr., President  
Coff Oil Company  
309 Pacific National Life Building  
P. O. Box 2045, Salt Lake City, Utah  

Dear Mr. Nebeker:

Please advise when we may expect the information requested in our September 6, 1955 letter to Mr. Mc Grath which was forwarded to you on September 15, 1955. This legal document is very important for our records.

A photo-copy of our previous letter to you with attachment is enclosed for your reference.

Yours very truly,

W. W. Traver  
Executive Officer, DMFA  
Field Team, Region III

Enclosure

RDE/vj

cc: Royalty File E445  
Correspondence File E445  
S. R. Wilson  
Sec. Opr. Comm. (2)  
Berkenkotter  
Chron.
Memorandum

To: S. R. Wilson

From: Executive Officer, DMEA Field Team, Region III

Subject: Check Sheet of Examining Engineer

Boomerang Mining Company
Contract Idm-E445, Docket No. DMEA-2446

Enclosed are five copies of Check Sheet for attachment to royalty audit report on the subject company.

Please have the Examining Engineer complete, sign and return four copies for use by the auditor.

Encs.

DTF: bh
cc - Sec. Op. Comm. (2)
    Finch
    Roy. File E-445
    Chron.

W. M. Traver
TO: Donald T. Finch, Auditor, Contract Administration and Audit Division

FROM: Executive Officer, DMEA Field Team, Region III

SUBJECT: Load Detail Sheets Supporting Settlement Sheets, Sales of Uranium

This is in response to your memorandum of September 16, 1955 on the above subject, wherein you refer to the lack of load detail sheets to support settlements for DMEA 2446, (Uranium), Contract IDM-5445, Boomerang Mining Company, Grand County, Utah.

In the past we have not required these load detail sheets. Obtaining them to cover this project, at this late date, will involve a considerable amount of correspondence which possibly might still be ineffective in producing the required material. Under the circumstances it is suggested that you schedule an on site royalty audit of this contract and also of any others that can be classified in the same category and where similar conditions exist.

In the meantime, before we make a demand on all uranium ore purchasers under DMEA contracts, for load detail sheets it seems advisable to obtain a ruling from the Administrator, DMEA, Washington as to his opinion regarding the requirement. This decision is prompted by the understanding which we have always entertained that the settlement sheets itself as accepted by the producer governs the determination of royalty.

W. M. Traver

W. M. Traver

RB: ab
cc: Gen. Roy. File
    Roy. File E445
    Sec. Opr. Comm. (2)
    S. R. Wilson
    Berk.
    Chron.
Mr. W. D. Nebeker, Jr., President
Croff Oil Company
309 Pacific National Life Building
P. O. Box 2045, Salt Lake City, Utah

Re: DMEA Docket 2446 (Uranium)
Contract Idm-E445, Boomerang
Mining Company, Grand County, Utah

Dear Mr. Nebeker:

Enclosed is the original copy of our September 6, 1955
letter addressed to your Mining Division representative in Grand
Junction, Colorado (Mr. M. G. McGrath). This letter was returned
to this office by the Grand Junction Post Office because addressee
was unknown and we failed to furnish sufficient address. The letter
was however opened and stamped, "Received September 12, 1955."

Will you please furnish us with the information requested
in the last paragraph of our September 6, 1955 letter to Mr. McGrath
and also your Grand Junction mailing address?

Yours very truly,

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosure
RB:jy
cc: Royalty File E445
Correspondence File E445
S. R. Wilson
Sec. to 3rd Comm. (2)
Berk
Chron.
September 6, 1955

221 New Customhouse
Denver 2, Colorado

Mr. Don Cherryman, Accountant
Croft Oil Company, Mining Division
Grand Junction, Colorado

Re: DMEA Docket 2446 (Uranium)
Contract Idm-E445, Boomerang
Mining Company, Grand
County, Utah

Dear Mr. Cherryman:

As per your letter of September 2, 1955, enclosed are
the original load detail sheets on Lot Nos. B-937 and B-985.

Yours very truly,

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosures

RB:jy

cc: Royalty File E445
    S. R. Wilson
    Sec. to Op. Comm. (2)
    Chron.
224 New Customhouse
Denver 2, Colorado

September 6, 1955

Mr. J. G. McElrath, Manager
Croft Oil Company, Mining Division
Grand Junction, Colorado

Re: D/3A Packet 2166 (Uranium)
Contract Ida-21b5, Boomerang
Mining Company, Grand County, Utah.

Dear Mr. McElrath:

We acknowledge receipt of the settlement sheets which were transmitted to this office by your letter of September 1, 1955.

Before we can logically answer questions asked in your letter we will have to see a copy of your purchase agreement or other document by which the Croft Oil Company acquired mining rights to the property subordinated to the Government under D/3A Contract Ida-21b5. This document is also required in order that our files may be complete.

We therefore request that you forward two copies of this legal instrument to this office. Photostatic copies will be acceptable. Upon receipt of the above information we will furnish full particulars concerning the subject contract to your company.

Yours very truly,

[Signature]

W. H. Irwin
Executive Officer, D/3A
Field Team, Region III

cc: Royalty File EHH5
    Correspondence File EHH5
    S. R. Wilson
    Sec. to Op. Comm. (2)
    Berk
    Chron.
Memorandum

To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region IV

On June 9, 1954 check in the amount of $142.97 together with settlement sheet No. R-232 was forwarded you crediting Gateway Mining & Development Company with payment of royalty.

Please correct your records to have the royalty payment credited to Boomerang Mining Company, DMEA Docket 2446, Contract No. E445, Utah.

cc: Royalty File E445
Royalty File E408
Sec. to the Oper. Comm. (2)
Traver Wilson w/enc. copy of settlement sheet Chron.
May 21, 1954

Mr. Irving Cembal, Acting Director
Materials Division
Emergency Procurement Service
GEA Building, Room 5002
7th and D Streets, S. W.
Washington 25, D. C.

Re: Report No. DMD-348 (Brauniss)
Contract No. Intro-0045
American Mining Company
Cervantes Mine
Grand County, Utah

Dear Mr. Cembal:

This is with reference to our letter dated November 3, 1953, in which you were advised that a copy of the final Field Team report on the exploratory project would be forwarded to you as soon as it was received in Washington.

As the procedure of forwarding copies of the final Field Team report has been discontinued in favor of a brief description of the work authorized and the results accomplished, we are setting forth this information below:

The contract was dated November 8, 1952, and covered an exploration project estimated to cost $10,317.40, with Government participation to the extent of 90 percent, or $9,285.56. Project work was started March 26 and completed August 20, 1953. An Auditor's Report of Indebtedness shows total expenditures during the life of the contract amounting to $23,020.68, with Government participation amounting to $21,128.07.

The contract provided for exploration of the salt Wash member of the Jurassic Formation by 7,440 feet of diamond drilling in three general areas near the Cervantes mine, and 150 hours of rim stripping by bulldozer along the sandstone outcrop of one of these areas.

The work completed consisted of 52 diamond drill holes totalling 7,418 feet, and approximately 1,480 linear feet of rim stripping. The drilling in the area southeast of the Cervantes mine resulted in the discovery of an orebody estimated to contain 2,100 tons.
of ore assaying 0.7% U₃O₈ and 1.6% V₂O₅. This discovery was considered of sufficient importance to justify a certification of discovery or development. The drilling also indicated some mineralization further to the southeast which would warrant further exploration in that direction by the Operator.

Sincerely yours,

[Signature]

C. O. Mittendorf

Administrator

MChime: fee
5-19-54
cc to: Admr. Reading File
      Operating Committee
      Deskset
Meers, Kaiser
      Butler, Rm. 3212, GSA
Shing
      Code 700
DMEA Field Team, Region IV, Region IV

J. O. Hosted, Rm. 3210, GSA
TO: E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

FROM: W. S. Twenhofel, USGS Acting Member, Uranium Commodity Committee

SUBJECT: Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Results of exploration at the property identified above resulted in the discovery of 2,100 tons of uranium-vanadium ore estimated to average 0.39 percent of $U_3O_8$ and 1.43 percent of $V_2O_5$. A certification of discovery or development was issued November 2, 1953. I have reviewed the final engineering report and the final geologic report concerning the results of the DMEA exploration.

The final geologic report concludes that DMEA exploration resulted in finding three small ore bodies in the ground southeast of the Corvusite mine and that development and mining of these bodies may reveal additional ore bodies. Furthermore, some of the holes drilled to the south and southeast, and the general trend of the ore bodies to the east, suggest that additional ore-grade material may be found in the above directions by exploration by means of drifts.

I believe that any decision in regard to the possibility of further Government assistance should be withheld until such time as a new application may be presented.

Copies to: E. Wm. Ellis (2)
Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region IV

Subject: Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Enclosed are the following final reports pertaining to work completed under the subject contract:

1. Original and one copy of the operator's final report.

2. Original and three copies of the final geologic report by the U.S. Geological Survey.

3. Original and three copies of the final engineering report by the Bureau of Mines.

Final payment to the operator was processed by this office March 18, 1954, in conformance with the report of review by the Contract Administration and Audit Division dated February 23, 1954 which was released to this office March 16, 1954.

The exploration work consisted of 128 hours of bulldozer work involved in the stripping of approximately 4,440 linear feet of rim, and 7,414.5 feet of diamond core drilling at a total accepted cost of $23,820.08, in which the Government participated to the extent of 90% or an amount of $21,438.07. The exploration work resulted in the discovery of uranium ore for which a certification of discovery or development was issued November 2, 1953.

W. H. King

Encls.

[Signature]

W. H. King

[Signature]

for A. H. Koschmann
Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 2446, (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Transmitted herewith are five copies of a final report submitted by the subject operator describing the work accomplished and results obtained under the DMEA contract.

Maps attached to the report properly illustrate the location and extent of the work and present the geologic information gained from the diamond drilling. The ore reserve estimate appears to be reasonable and approximates the estimate made by the inspecting engineer.

It is recommended that the operator's final report be accepted, fulfilling the requirements of Paragraph (b) of Article 5 of the short-form contract.

Stephen R. Wilson

Encls.
Mr. H. K. Thurber  
U. S. Department of Interior  
Bureau of Mines  
1600 North First South  
Salt Lake City, Utah  

Dear Mr. Thurber:

We are enclosing five copies of our Final Report of Exploration Work performed under DMEA docket No. 2446, Contract Idm E-445 which includes the final narrative report, one map "Work Performed", and a sheet of Cross Section. If you will add to this the two maps which were given to you earlier, the report will be complete.

We received the photostatic copies of the October settlements and have sent them with payment to the Denver office.

We are hoping that this Final Report will be accepted and final payment will be made.

Yours very truly,

BOOMERANG MINING COMPANY

By Frank E. Woodard, Partner

Enc. 5
November 21, 1953

FINAL REPORT
DMEA DOCKET NO. 2446
CONTRACT NO. Idm-E-445
BOOMERANG MINING COMPANY
GATEWAY, COLORADO
CORVUSITE MINE
GRAND COUNTY, UTAH

1. FINAL NARRATIVE REPORT
2. ASSAY SHEET
3. ORE RESERVE CALCULATIONS
4. COLLAR ELEVATIONS OF DIAMOND DRILL HOLES-
   First phase of drilling
5. MAPS:
   1. Map of Work Performed
   2. Thickness of Ore Bearing Sandstone
   3. Alteration of Shale on Base of Ore Bearing Sandstone
   4. Cross Sections.
FINAL REPORT (NARRATIVE)

The diamond core drilling which was done under DMEA Docket No. 2446 and contract Idm E-445 was drilled on seven claims which included Grandco No. 1, 2 and 3; Urantahs No. 1 and 2; and Bonanza No. 1, 2 and 6. The drilling required about two months which was started March 26, 1953. After drilling thirth-nine holes with a total footage of 4788 feet the program was recessed on April 28, 1953, until the U.S.G.S. had completed their drilling program in this area and their results were available. In the latter part of August an additional fourteen holes with a total footage of 2626.5 feet were drilled on the Bonanza claims, known as Project I.

PROJECT I

The diamond core drilling done on Project I was in the Corvusite Mine area for exploration of certain areas beyond the mining and development faces. Seven holes on Bonanza No. 1 were drilled to investigate the possibility of ore deposition in a channel having a Southwest trend. All holes were unfavorable. The holes nearest the workings had a 35 foot sand which is relatively thick and some slight alteration of shale. Hole No. 610 was unfavorable and showed that the sandstone was lensing out to the south and West.

Twenty-four holes were drilled to test for structure and possible ore channel extension on the East section of the mine area. Five holes had cores which assayed greater than 0.20% U3O8 which showed a definite trend of an ore channel (see Map of Work Performed). Three holes worth
of the apparent boundaries of the ore channel had slight mineralization in a thinner sandstone. Hole 616 showed much slump structure with practically no sandstone and determined the Northeasterly limit for further drilling. The ore holes 619, 629, 605 and 626 cored ore from 0.3 to 1.2 ft. thick which was high grade ore from 0.62% to 0.97% U3O8, then at a lower depth would core another mineralized streak of about 1 ft. thick of good vanadium content and low Uranium value, which is characteristic of a "roll-type" ore deposition. The main ore body lays along the curved surface of the roll. At this writing in mining in the area of Hole 619 there is a 4½' x 5' face of ore averaging 0.50% U3O8.

An additional ten holes were drilled on a pattern suggest by U.S.G.S. to test the structure Southeast of the Mine area toward a favorable U.S.G.S. hole No. BV-7, which had some mineralization.

The area explored by holes 644, 645 and 646 which had some mineralization should be further explored by surface drilling to determine if there is a minable ore body. The alteration of shale both on top and bottom of the sand was good. The sand was of good color and texture although being thinner than that considered to be favorable. There is a possibility that the ore sand thickens to the south of this area since U.S.G.S. Hole BV-7 had mineralization and a favorable sand that was 26 feet thick.

From the results of this drilling the structure favorable for ore deposition seems to be a sandstone that is from 20 to 26 feet thick, medium grained with much organic matter. The sand is covered with 2 to 5 feet of altered blue shale and is underlain by blue shale 2 to 8 feet thick. Sand unfavorable for ore deposition is
clean, course grained and either thinner than 20 feet or thicker than 30 feet overlain and underlain by red shale or very thin altered blue shale.

The U.S.G. S. logged all of the diamond drill holes and gamma-rayed most of the holes in the ore channel areas. The gamma-ray logging did not pick-up any additional radiation other than was shown in the cores.

Accompanying this report are three large maps and a sheet of cross sections. One is a "Map of work performed under the DMEA Contract;" One showing the thickness of ore bearing sandstone, and an alteration map showing the thickness of the underlying altered blue shale and placement of the sections.
PROJECT II

In the original application for DMEA assistance it was our intention to drill widely spaced holes in an area which was referred to as the North draw area on the maps which accompanied our application. In May 1953 the U.S.G.S. inaugurated a drilling program on Beaver Mesa which also included drilling in this area. We postponed any further drilling in this area until the results of the U.S.G.S. drilling were available. They drilled approximately fourteen holes on 250 to 500 ft. centers. Unfortunately only one semi-favorable hole was drilled. After much discussion with the U.S.G.S. Geologists and DMEA representative, it was decided not to drill in this area with the small amount of footage that was available to us, but to drill in the area called Project I which also had a favorable U.S.G.S. Hole, BV-7.

Three holes were drilled near the salt wash rim in this area for Project II. Holes 637, 638 and 639 were drilled behind an outcropping of a small mineralized streak which had an underlaying body of altered blue shale. Neither mineral nor altered blue shale was encountered which indicated that the outcropping was of a small magnitude and did not extend into the hill. Core recovery was rather poor, due to the fractured nature of the formation near the rim.

PROJECT III

Project III consisted of stripping with a bulldozer, approximately 3600 feet of rim along the outcrop of two rims of the salt wash member of the Morrison formation.

The first rim stripping consisted of stripping a thick (40 ft. sandstone rim) which is lower than the present mine workings across
three claims, Grandco 1, 2 and 3. This work went very rapidly and two
good areas of favorable lithology were encountered. It was further
decided that the rim above warranted stripping so it was stripped for
the entire width of the three claims. This was a more difficult rim
to expose but it was accomplished and one area of favorable lithology
was exposed. The ore showing encountered on the lower rim on Grandco
No. 2 claim was good. Mineralization was exposed along the rim for
50 feet varying from 0.2 to 2 ft in thickness and assaying 0.50% U3O8.
Mining of the ore from this outcrop proved it was a very small body
of ore. A nine ton load of ore was shipped which assayed 1.94% V2O5
and 0.43% U3O8, also 320 lbs. of hi-grade was sold which assayed 10.86%
V2O5 and 2.84% U3O8. Since the ore did not continue into the forma-
tion we must conclude that it was only a remnant of an ore lense.
Prior to the extraction of the ore, three holes 630, 631 and 632 were
drilled behind this showing which were very unfavorable as they did
not core any altered blue clay.

Three shallow holes 634, 635 and 636 were also drilled on
Project III behind an outcropping on the upper rim on Grandco No. 1
These holes were unfavorable as they did not core any altered blue
clay or mineral which was exposed on the rim.
CONCLUSIONS

The diamond core drilling on the Grandco and Urantah claims consisted of twelve relatively shallow holes whose accumulative footage of 895 feet were drilled to explore favorable outcropping exposed by rim stripping of two sandstone rims of the Salt Wash member of the Morrison formation. These holes were by necessity spotted near the rim of the Salt Wash. The core recovery was relatively poor varying from 50 to 87%. None of these holes were classified as favorable as no mineralization, altered blue shale, or medium grain light sandstone were encountered which is the approved criterion for a favorable hole to classify a possible ore bearing formation.

The other diamond core drilling was performed on Bonanza No. 1, 2 and 6 which is the area of the present mine workings of the Covusite Mine. Here thirty-one holes whose cumulative footage of 4878.5 feet were drilled to explore the possible extension of a known ore channel and to find any troughs or ore sand lenses associated with it. Eight ore or mineralized holes showed an ore channel with a strike of S70°E, which is somewhat different than had been expected from the present mine workings.

The drilling on Project L proved a favorable area for ore deposition approximately 200 feet wide and 400 feet long Southeastward from the present workings. The main ore channel area extending Eastward approximately 100 feet wide and 280 feet long was proven to contain minable ore. Although none of the mineralized holes in this area showed considerable thicknesses of ore; due to the mode of occurrence of ore in rolls, it is highly probable that the tonnage of ore mined will exceed the calculated reserve of 2000 tons.
The drilling also showed that the present criteria for ore deposition is true; the presence of a thick medium grain, light yellow-brown sandstone with associated carboneous material, the presence of an overlying and underlying altered blue shale. It also showed that in the sandstone lens itself, that the ore is not in the thickest part of the channel but on the edges where the sandstone begins to thin out, in this case where the sandstone is between 20 and 26 feet thick.

One of the most important advantages of diamond drilling a formation as an aid in mining is the information gained on the elevation of the ore found in the sandstone member. It limits the section as to the possibilities where ore rolls can be found. In this case it was found that the ore on the Northerly edge of the channel is between 10 and 12 feet lower than the present working level. (See Cross Sections).

Two methods were used in calculating the ore reserves as shown on the Ore Reserve Calculations Sheet. The first method, the core assays were averaged for an ore of 1 ft. thick, the volume and tons of ore was calculated to be 2000 tons averaging 1.56% V2O5 and 0.38% U3O8.

In the second method the ore channel as represented by holes 629, 619, 605, 626 and 640 is an area of approximately 280,000 sq. ft. is compared to the area of the ore channel represented by U.S.B.M. holes 821, 832, 834, 835 and 836. These holes were drilled in 1943 by the Bureau of Mines. In the later area which is an area of about 340,000 sq. ft. approximately 4,000 tons have been mined since 1948. The relation between the two areas showes the ore reserves to be 3300 tons of 1.40% V2O5 and 0.40% U3O8.
In analyzing the ore reserves by the two methods, it appears that by diligent mining methods that at least three thousand tons of high-quality ore (0.30 to 0.60%) can reasonably be expected and an indeterminate amount of lower grade ore could be shipped.

However, it is our opinion that the Corvusite Mine will continue to produce ore for many years to come and that the DMEA Loan will be repaid.

We want to express our appreciation to the U.S. Bureau of Mines for the full cooperation we received from the Salt Lake and Denver offices and for the assistance rendered to us by the U.S.G.S. of the Grand Junction office.

We want to thank Mr. H. K. Thurber, the DMEA Representative and Engineer, for his aid and advice, and to commend Mr. Lee Eicher of the U.S.G.S., Grand Junction office, for his help in giving us assistance and information on surveying, spotting and logging the holes.
### ASSAY SHEET

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>From</th>
<th>To</th>
<th>Distance</th>
<th>V205%</th>
<th>U308%</th>
</tr>
</thead>
<tbody>
<tr>
<td>601A</td>
<td>120.0</td>
<td>121.5</td>
<td>1.5</td>
<td>N11</td>
<td>N11</td>
</tr>
<tr>
<td>601B</td>
<td>122.7</td>
<td>123.5</td>
<td>0.8</td>
<td>N11</td>
<td>N11</td>
</tr>
<tr>
<td>605A</td>
<td>162.7</td>
<td>167.8</td>
<td>5.1</td>
<td>N11</td>
<td>N11</td>
</tr>
<tr>
<td>605B</td>
<td>168.2</td>
<td>170.2</td>
<td>2.0</td>
<td>0.02</td>
<td>0.02</td>
</tr>
<tr>
<td>605C</td>
<td>170.2</td>
<td>170.5</td>
<td>0.3</td>
<td>1.76</td>
<td>1.02</td>
</tr>
<tr>
<td>605D</td>
<td>181.9</td>
<td>182.7</td>
<td>0.8</td>
<td>0.92</td>
<td>0.10</td>
</tr>
<tr>
<td>612A</td>
<td>164.0</td>
<td>164.5</td>
<td>0.5</td>
<td>0.86</td>
<td>N11</td>
</tr>
<tr>
<td>612B</td>
<td>170.5</td>
<td>171.0</td>
<td>0.5</td>
<td>0.04</td>
<td>N11</td>
</tr>
<tr>
<td>615A</td>
<td>199.0</td>
<td>199.5</td>
<td>0.5</td>
<td>0.23</td>
<td>0.5</td>
</tr>
<tr>
<td>615B</td>
<td>201.2</td>
<td>202.3</td>
<td>1.1</td>
<td>0.12</td>
<td>0.07</td>
</tr>
<tr>
<td>619A</td>
<td>143.3</td>
<td>143.6</td>
<td>0.3</td>
<td>1.16</td>
<td>0.07</td>
</tr>
<tr>
<td>619B</td>
<td>153.2</td>
<td>154.4</td>
<td>1.2</td>
<td>5.00</td>
<td>0.62</td>
</tr>
<tr>
<td>626A</td>
<td>192.7</td>
<td>193.6</td>
<td>0.6</td>
<td>1.43</td>
<td>0.78</td>
</tr>
<tr>
<td>626B</td>
<td>212.0</td>
<td>212.8</td>
<td>0.8</td>
<td>0.14</td>
<td>0.02</td>
</tr>
<tr>
<td>629A</td>
<td>157.8</td>
<td>158.8</td>
<td>1.0</td>
<td>N11</td>
<td>0.04</td>
</tr>
<tr>
<td>629B</td>
<td>168.3</td>
<td>168.8</td>
<td>0.05</td>
<td>1.88</td>
<td>0.97</td>
</tr>
<tr>
<td>629C</td>
<td>168.8</td>
<td>170.1</td>
<td>1.3</td>
<td>0.32</td>
<td>0.02</td>
</tr>
<tr>
<td>640</td>
<td>219.0</td>
<td>220.0</td>
<td>1.0</td>
<td>1.24</td>
<td>0.10</td>
</tr>
<tr>
<td>642</td>
<td>219.0</td>
<td>220.0</td>
<td>1.0</td>
<td>0.37</td>
<td>0.06</td>
</tr>
<tr>
<td>644</td>
<td>148.0</td>
<td>149.0</td>
<td>1.0</td>
<td>1.60</td>
<td>0.12</td>
</tr>
<tr>
<td>645</td>
<td>149.0</td>
<td>150.0</td>
<td>1.0</td>
<td>0.07</td>
<td>0.01</td>
</tr>
<tr>
<td>646</td>
<td>166.0</td>
<td>166.5</td>
<td>0.5</td>
<td>0.10</td>
<td>N11</td>
</tr>
</tbody>
</table>

**NOTE:** All holes not assayed were blank.
ORE RESERVE CALCULATIONS

Method 1.

<table>
<thead>
<tr>
<th>HOLE NO.</th>
<th>ASSAY FOR 1 FOOT THICK</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>%V₂O₅</td>
</tr>
<tr>
<td>619</td>
<td>5.00</td>
</tr>
<tr>
<td>605</td>
<td>0.59</td>
</tr>
<tr>
<td>626</td>
<td>1.40</td>
</tr>
<tr>
<td>629</td>
<td>1.00</td>
</tr>
<tr>
<td>640</td>
<td>1.00</td>
</tr>
<tr>
<td>642</td>
<td>0.37</td>
</tr>
</tbody>
</table>

Average Assay: 1.56% V₂O₅ and 0.38% U₃O₈

Width X Length X Depth

100 X 280 X 1 foot = 28,000 c.f. ore

Assume 14 c.f. per ton:

\[
\frac{28000}{14} = 2000 \text{ tons}
\]

ORE RESERVE:

2000 tons ------ 1.56% V₂O₅ and 0.38% U₃O₈.

Method 2.

Ore channel area by holes 629 - 619 - 605 - 626 and 640
Parrellogram 120 x 280 = 28000 sq. ft.

Ore channel areas by holes 821 - 832 - 834 - 835 and 836
(drilled by U.S.B.M. in 1943)
Parrellogram 100 x 340 = 34000 sq. ft.
Production from Sept. 1, 1948 to Dec. 31, 1952
(4000 tons approx.) 1.40% V₂O₅ - 0.40% U₃O₈

\[
\frac{280}{34} = 3300 \text{ tons}
\]
### COLLABOR ELEVATIONS OF DIAMOND DRILL HOLES -
First phase of drilling.

<table>
<thead>
<tr>
<th>Hole No.</th>
<th>Collar Elev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>601</td>
<td>7575.2</td>
</tr>
<tr>
<td>602</td>
<td>7569.5</td>
</tr>
<tr>
<td>603</td>
<td>7585.6</td>
</tr>
<tr>
<td>604</td>
<td>7612.2</td>
</tr>
<tr>
<td>605</td>
<td>7612.3</td>
</tr>
<tr>
<td>606</td>
<td>7534.6</td>
</tr>
<tr>
<td>607</td>
<td>7537.6</td>
</tr>
<tr>
<td>608</td>
<td>7533.5</td>
</tr>
<tr>
<td>609</td>
<td>7541.1</td>
</tr>
<tr>
<td>610</td>
<td>7539.3</td>
</tr>
<tr>
<td>611</td>
<td>7629.6</td>
</tr>
<tr>
<td>612</td>
<td>7596.3</td>
</tr>
<tr>
<td>613</td>
<td>7576.1</td>
</tr>
<tr>
<td>614</td>
<td>7595.1</td>
</tr>
<tr>
<td>615</td>
<td>7633.7</td>
</tr>
<tr>
<td>616</td>
<td>7593.0</td>
</tr>
<tr>
<td>617</td>
<td>7590.3</td>
</tr>
<tr>
<td>618</td>
<td>7575.7</td>
</tr>
<tr>
<td>619</td>
<td>7597.3</td>
</tr>
<tr>
<td>620</td>
<td>7530.0</td>
</tr>
<tr>
<td>621</td>
<td>7613.6</td>
</tr>
<tr>
<td>622</td>
<td>7560.2</td>
</tr>
<tr>
<td>623</td>
<td>7550.0</td>
</tr>
<tr>
<td>624</td>
<td>7519.0</td>
</tr>
<tr>
<td>625</td>
<td>7518.0</td>
</tr>
<tr>
<td>626</td>
<td>7632.8</td>
</tr>
<tr>
<td>627</td>
<td>7516.0</td>
</tr>
<tr>
<td>628</td>
<td>7573.1</td>
</tr>
<tr>
<td>629</td>
<td>7604.5</td>
</tr>
<tr>
<td>633</td>
<td>7533.2</td>
</tr>
</tbody>
</table>
Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Enclosed are the original and 10 copies of a final engineering report prepared by H. K. Thurber. This report covers all project work under the contract.

Stephen R. Wilson

Enclosure
BOOMERANG MINING COMPANY
CORVUSITE MINE
GRAND COUNTY, UTAH
DMEA-2446
Contract Idm-E445
Uranium

Final Engineering Report

By H. K. Thurber, Jr.
Mining engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
5-12-54
# Contents

<table>
<thead>
<tr>
<th>Final engineering report</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary, conclusions and recommendations</td>
<td>2</td>
</tr>
<tr>
<td>Description of the work</td>
<td>3</td>
</tr>
<tr>
<td>Description of the geology</td>
<td>5</td>
</tr>
<tr>
<td>Expenditures</td>
<td>8</td>
</tr>
<tr>
<td>Efficiency of operations</td>
<td>8</td>
</tr>
<tr>
<td>Equipment purchased for the project</td>
<td>9</td>
</tr>
</tbody>
</table>

## Illustrations

- **Fig. 1** Map illustrating results of exploratory work, Corvusite mine, Boomerang Mining Company, Grand County, Utah
SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The exploratory diamond core drilling under Docket No. DMEA 2446 (Uranium), Contract Idm-E445, on property controlled by the Boomerang Mining Co., P. O. Box 112, Gateway, Colorado, was completed August 31, 1953. The property, known as the Corvusite mine, is located in Grand County, Utah. During the term of the project, 52 AX-size holes aggregating 7,414.5 feet were completed, resulting in the discovery of an estimated 2,100 tons of uranium ore containing 0.39 percent U₃O₈ and 1.43 percent V₂O₅. This ore is estimated to be 70 percent recoverable and has a market value of approximately $61.35 per ton; thus the net return expected after mining and shipping charges is approximately $88,520. The locations of the holes drilled in relation to the claims and the workings, together with the extension of the mineralized zone discovered by the drilling, are illustrated on figure 1, attached.

The drilling under the contract shows an extension of the mineralized zone 350 feet to the east of the workings. The location of holes beyond this point to the east was considered by the operators to be uneconomical, but it may be concluded from observation of the trend of mineralization that an extension of the ore zone to the east is probable. In view of this probable extension of the mineralization and the existence of mineralization in isolated holes south and southeast of the discovered mineralization, further exploration is warranted.
The scope of the diamond drilling program to be carried on in the Corvusite mine area during the 1954 working season by the U. S. Geological Survey is not known, but it appears desirable for that agency to drill other holes to delimit the mineralized area near hole B.V. 7. The operators tentatively plan to drill a limited footage on Bonanza No. 2 claim south of hole 644, but they consider the depth of hole required to reach the ore horizon on an eastward extension of the mineralized zone beyond hole 640 is uneconomical from the standpoint of probable reserves that may be outlined.

The ore reserves found by the drilling under the contract are sufficient to warrant the certification of a discovery on the property. This was done by the DMEA effective November 2, 1953.

The grade of the ore and the continuity of mineralization observed in the workings, with the production record of the mine during and since the completion of the contract work, indicate that production is economically feasible and profitable.

DESCRIPTION OF THE WORK

The work done under the contract consisted of 128 hours (approximately 4,400 linear feet) of rim stripping and 7,414.5 feet of AX-size diamond core drill hole. The bulldozer rim stripping was done on the Grandco Nos. 1, 2 and 3 claims on the north side of Corvusite Draw, as shown on figure 1, attached. This work was started on March 26, 1953, and was continued simultaneously with the diamond drilling on the
Bonanza No. 2 claim. The rim stripping was completed by April 20, 1953, after three mineralized outcrops had been uncovered by the work. The area of the outcrops is indicated on figure 1.

Diamond core drilling was begun in the area of the Corvusite mine and on the Grandco and Urantah groups on March 26, 1953 by the drilling subcontractor and was continued with little difficulty until April 30, 1953, at which time the work was recessed to allow the interpretation of results of the drilling and to allow study of the area by the Geological Survey project geologist in charge of that agency's work in the area. During the period, a total of 38 holes was drilled, aggregating 4,788 feet. The average depth of hole was 126 feet.

The only difficulty encountered during drilling was poor core recovery resulting from broken ground on Grandco Nos. 1 and 2 claims and the Urantah No. 2 claim in holes 630 to 639, inclusive. The core recovery was 76.0 percent in this area, contrasted to 85.3 percent in the area adjacent to the Corvusite workings.

Upon resumption of drilling on August 1, 1953, holes 640 to 653, inclusive, were drilled aggregating 2,652 feet. These holes were drilled on Bonanza Nos. 2 and 6 claims on sites shown on figure 1. This final phase of the exploratory drilling under the contract was completed August 30, 1953.
DESCRIPTION OF GEOLOGY

The ore deposits of the Corvusite mine area are found in the Salt Wash member of the Upper Jurassic Morrison formation, which consists of interlensing, salmon- to buff-colored sandstones and red mudstones which are, in places, altered to gray-green. The ore occurrences discovered by drilling are in a consistent, medium-grained, buff-colored sandstone lens 20 to 25 feet thick, which contains a large amount of "trash carbon," consisting mainly of leaves and twigs. In the areas of mineralization, this lens is overlain and underlain with 2- to 8-foot thicknesses of altered mudstone. The sections included with the operator's final report illustrate these conditions. The ore occurrence follows the pattern established in other Morrison areas of the Colorado Plateau, with the exception that a thickness of sand lens greater than 25 feet seems to be unfavorable for deposition of uranium. As noted in other areas, thin parts of the sand lens are also unfavorable.

The "rolls" or small ore bodies within the mineralized sandstone have a trend elongate to the zone of mineralization, as outlined by drilling. The edges of these small ore bodies are often quite definite, with little gradation into the enclosing sandstone. The operators are skilled in following the "rolls" and as a result have not been without a working face in ore during the 5 years of their operation of the mine.
Minor tonnages of relatively high-grade uranium and vanadium mineralization are encountered. Fossil trees account for a small amount of this material, but some is found as concentrations within the rolls.

The chief ore mineral observed in the drill cores and in the underground workings is black, and although no positive identification has been made by the DMEA, it is believed to be uraninite. Other uranium and vanadium minerals present which contribute to the production are corvusite, a high-grade vanadium oxide; coffinite, a uranium silicate; and gummite, a uranium oxide. Very little carnocite is present in the workings.

Holes Nos. 605, 619, 626, and 629 encountered uranium mineralization termed "ore" by the operators. Holes No. 626 and 629 are considered "mineralized" by the Geological Survey, since the ore, although of good grade, was less than 1 foot thick. The holes used in estimating an indicated ore reserve, with the assay values, are listed below:

<table>
<thead>
<tr>
<th>Hole No.</th>
<th>Thickness, feet</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
</tr>
</thead>
<tbody>
<tr>
<td>605*</td>
<td>2.0</td>
<td>0.02</td>
<td>0.02</td>
</tr>
<tr>
<td>605</td>
<td>0.3</td>
<td>1.02</td>
<td>1.76</td>
</tr>
<tr>
<td>619</td>
<td>1.0</td>
<td>0.62</td>
<td>5.00</td>
</tr>
<tr>
<td>626</td>
<td>0.9</td>
<td>0.78</td>
<td>1.43</td>
</tr>
<tr>
<td>629*</td>
<td>0.5</td>
<td>0.97</td>
<td>1.88</td>
</tr>
<tr>
<td>629</td>
<td>1.0</td>
<td>0.02</td>
<td>0.32</td>
</tr>
</tbody>
</table>

|       | 1.4 avg.      | 0.39 wtd. avg. | 0.43 wtd. avg. |

* The two assay values given are combined in the weighted average calculation.
It will be noted that no assay results of samples from holes 642 and 640 are included in the above table. The results of these holes are not in the DMEA files, and thus the following ore reserve estimate is based only on available assay data.

The plan area of an arbitrarily outlined ore block, based upon available sample data, is shown on figure 2. This area is approximately 19,575 square feet and the average thickness of ore calculated from the assay results in the above table, is 1.4 feet. The volume of the block is thus 27,504 cubic feet and, assuming a tonnage factor of 13 cubic feet per ton, the block contains approximately 2,100 tons of ore of an average grade of 0.39 percent U₃O₈ and 1.43 percent V₂O₅. If the block is assumed to be 70 percent recoverable, the estimated minable ore reserve is approximately 1,470 tons.

Under the existing Atomic Energy Commission price schedule, the U₃O₈ contained in the ore is valued at $34.45 without the bonus payments. The V₂O₅ is worth $8.87; thus the total value of the ore is $43.33 per ton. The gross value of the minable ore is thus approximately $63,700.

It is estimated the mining cost per ton is approximately $6.00. The settlement sheets for production during the DMEA project indicate that the shipping charges were fully assumed by the purchasing mill. The net value of the ore would thus be $63,700 - $8,820 = $54,880.
It was noted in a foregoing paragraph that, because sample data are not available for holes 640 and 642, the outline of the indicated ore reserve is limited to that shown on figure 1. However, from the nature of the uranium mineralization observed underground, it is believed that the minable ore reserve may be increased by extension of the outline to include hole 640 and possibly hole 642.

EXPENDITURES

The total amount approved by the contract is $24,117.60, of which $23,820.08 was expended in rim stripping and diamond drilling. The Government's share of this cost at 90 percent participation is $21,438.07. The unexpended monies total $297.52, of which the Government's share is $267.77.

The production during the period of the project totaled 530.7 tons of uranium ore, the gross value of which is $26,759.61. The royalty paid on this production was $1,365.76.

EFFICIENCY OF OPERATIONS

The rim stripping and diamond core drilling under the DMEA contract were accomplished by subcontractors on a unit basis. Observation of the rim stripping area indicates that this work was thoroughly done and the entire rim intended to be uncovered was stripped to expose the mineralized portions. The work proposed was actually accomplished in fewer bulldozer hours than originally estimated. During
inspections of this phase of the work, it was noted that the bull-
dozer was being done in a safe and efficient manner.

A good average core recovery was obtained by the subcontractor in the diamond drilling phase of the work, as noted in a foregoing paragraph. Supervision by the operators of the placing of the holes and the proper handling of cores obtained led to good interpretation of the geology in the areas drilled. Excellent cooperation between the operators and Lee J. Eicher, project geologist of the Geological Survey in the area, was noted. Mr. Eicher assisted in logging the cores, the interpretation of the results of drilling and the establishing of collar elevations of the holes.

It may be said that the project work under the contract was efficiently and thoroughly done. The maps and reports presented by the operators are well prepared and correct in interpretation of results obtained.

**EQUIPMENT PURCHASED FOR THE PROJECT**

Inasmuch as the work was done under a short-form contract, no equipment or supplies in which the Government has an equity were purchased.
Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2446, Boomerang Mining Company, Grand County, Utah

Enclosed are 11 copies of the final geologic report by L. J. Eicher of the U. S. Geological Survey covering the above docket.

It has been recommended that no more exploration work be done by the Government.

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)
Memorandum

To: A. H. Koschmann, DMEA Field Team, Region IV

From: R. P. Fischer, Supervisor Colorado Plateau District

Subject: DMEA 2446, Boomerang Mining Company, Grand County, Utah

Transmitted herewith are eleven copies of the final geologic report on the DMEA exploration work done on the subject docket. The report was prepared by L. J. Eicher.

The author concludes that the work resulted in finding three small ore bodies in the ground southeast of the Covusite mine and that development of these bodies by mining might find additional small bodies of ore.

It is recommended that no more exploration work be done by the government.

Enclosures 11

RPF/cmb

cc: W. M. Traver, Jr.

Reviewed by DMEA OPERATING COMMITTEE

5-12-54
(date)
UNITED STATES DEPARTMENT OF THE INTERIOR
DOUGLAS MCKAY, SECRETARY

FINAL GEOLOGIC REPORT

DMEA Docket 2446, Contract Idm-E-445,
Boomerang Mining Company
Grand County, Utah

L. J. Eicher
U. S. Geological Survey

April 1954

Reviewed by
DMEA OPERATING COMMITTEE
5-12-54
CONCLUSIONS AND RECOMMENDATIONS

Exploration done under DMEA contract Idm-E-45 resulted in the discovery of a southeasterly extension of the deposit present at the Corvusite mine. This extension is probably mineralized throughout and probably contains several high-grade pockets that are connected by thin seams of high- and low-grade material. Although additional close-spaced drilling could be used to further outline the narrow, elongate deposit, the depth of the ore-bearing horizon below the surface perhaps makes drilling from surface locations more costly than underground exploration by drifting. If any further drilling is done, it should probably be financed privately.

INTRODUCTION

The Boomerang Mining Company applied for a loan, DMEA Docket 2L6, to explore for uranium and vanadium ores on 15 claims on the west side of Beaver Mesa, Grand County, Utah. A contract (Idm-E-445), totaling $21,118, was signed September 17, 1952, to do the work described in this report. Work commenced March 26, 1953, and was completed August 21, 1953.

LOCATION AND ACCESSIBILITY

The property consists of 15 claims in secs. 19 and 20, T. 25 S., R. 26 E., Salt Lake meridian, Grand County, Utah. These claims are about 12 miles southwest of Gateway, Colo., via the John Brown Canyon access road. Gateway is 53 miles from Grand Junction, Colo., the central supply source for this region.

HISTORY AND PRODUCTION

Some high-grade ore reportedly was packed out of the Beaver Mesa area during 1916-17. A road was built to the area by way of Sinbad Valley in 1939. This opened the area to more detailed prospecting, and, when the Government access road was built via John Brown Canyon in 1943, production increased considerably.
The mining claims in the immediate vicinity of the Corvusite mine were first located in the early 1900's. Production has been intermittent and it is reported that the property produced, prior to 1943, 2,260 short tons of ores averaging about 2 percent V₂O₅. From September 1948 through September 1953, the property produced 6,781.6 tons of ores averaging 0.36 percent U₃O₈ and 1.52 percent V₂O₅. Ores produced from this property are usually shipped by truck to the United States Vanadium Company plant at Rifle, Colo. The property is not eligible for bonus payments because production in excess of 10,000 pounds U₃O₈ has been made since April 9, 1948.

GEOLOGY AND ORE DEPOSITS

The rocks exposed in the Beaver Mesa area are Mesozoic sediments that consist, from oldest to youngest, of the Upper Jurassic Morrison formation, Lower Cretaceous Burro Canyon formation, and the Lower and Upper Cretaceous Dakota sandstone. The Morrison formation is subdivided into the Salt Wash member, which consists of sandstone and interbedded mudstone lenses, and the overlying Brushy Basin member, which consists mainly of variegated red and gray shales and clays and interbedded conglomeratic sandstone lenses. Overlying the Brushy Basin member is the Burro Canyon formation, predominantly a conglomeratic sandstone containing lenses of gray shale. The Dakota sandstone, which overlies the Burro Canyon, is predominantly a resistant, conglomeratic sandstone containing thin lenses of gray shale and gray, siliceous limestone. These rocks all dip at low angles in a northeasterly direction.

All of the uranium-bearing deposits mined in the vicinity of the claims held by Boomerang Mining Company are confined to the uppermost sandstone lens of the Salt Wash member of the Morrison formation. This sandstone lens ranges from 20 to 60 feet in thickness and is commonly referred to as the ore-bearing sandstone. On fresh exposures the ore-bearing sandstone ranges in color from white to gray or light red. Near deposits the sandstone is commonly speckled with limonite stain. The sandstone is composed dominantly of fine- to medium-sized quartz grains with minor amounts of interstitial clay and grains of pink and white chert and feldspar. Carbonized plant remains, consisting of logs, leaves, and fragments of woody material, are present in places. Calcite is the usual cementing agent.

The ore-bearing sandstone is commonly lenticular and irregularly bedded. Scour and fill bedding is present in many places, particularly where the lenticularity of the sandstone is pronounced. The scour and fill type of sedimentation forms thick, narrow, elongate lenses that are composed of sandstone containing thin, discontinuous lenses of mudstone, thin zones of mudstone-pebble conglomerate, and abundant fragments and masses of carbonaceous material. Uranium-bearing deposits are commonly localized in or near these "trash pockets". In the vicinity of the deposits the mudstone in contact with the sandstone is gray-green in color.
The ore bodies in the Corvusite deposit occur in a thick, channel-like portion of the ore-bearing sandstone. This "channel" trends south-east and is roughly 200 feet wide and 1,000 feet long. There are at least 2 stratigraphic layers of mineralized material in the mine and the stratigraphic separation may reach 20 feet in places. These layers are wavy, undulating blanket-type deposits that exhibit large, local differences in thickness. The thicker parts of these units are commonly of ore-grade and thickness and are referred to as "rolls". The long, flat-lying axes of these "rolls" may be grouped into two principal sets striking N 20° E and N 45° W. The two systems of steeply dipping joints found in the mine are roughly parallel to the strike of the "rolls". Since there is no evidence of displacement along the joints and they are not visibly mineralized, it is thought that the joints had no direct influence on the distribution of the ore bodies.

Individual ore bodies vary in size. Minimum and maximum dimensions are: 1 to 12 feet thick, 3 to 30 feet wide, and 25 to 100 feet long. These ore bodies are commonly connected by thin seams of high-grade material.

The mineral deposits in the Corvusite mine are the unoxidized, uranium-vanadium type (commonly called "black ores"). The ore minerals consist of the uranium-bearing uraninite and coffinite, and the vanadium bearing doloresite, lumsdenite, and montroseite. Minor amounts of pyrite and low rank coal generally occur with the ore minerals.

EXPLORATORY WORK

The original program specified that the work was to be carried out in 3 stages. (The following description of proposed work was taken from the geologic section of DMEA Docket 244 and does not agree with the proposed work program in the engineering section of the same report. The work was actually carried out as outlined in the geologic section of the report.) Stages 1 and 2 were to be carried out independently of each other and stage 3 was to be undertaken if stage 2 was successful. Stage 1; Diamond drilling around the Corvusite mine in ground considered geologically favorable for the occurrence of uranium and vanadium-bearing deposits. Stage 2; Rim stripping at the base of the ore-bearing sandstone (fig. 1) to search for areas that would be favorable for the occurrence of mineralized material. Any promising outcrops or showings uncovered by rim-stripping were then to be diamond drilled to determine their extent and grade. Stage 3; Diamond drilling in an area between the areas of stages 1 and 2. This stage was to be undertaken only if stage 2 showed favorable results.
Drilling in the area of stage 1 (holes 601-629, 633) was completed satisfactorily. Rim-stripping (approximately 2,500 feet) and drilling (holes 630-632, 634-639) in the area of stage 2 was also completed satisfactorily. The drilling was then recessed because stage 2 was not favorable and also because the Geological Survey was doing some exploratory drilling a short distance to the east. When the Geological Survey drilling was completed, an appraisal of the results showed that the ground in the vicinity of the area of stage 3 was unfavorable. The operator then requested that the remaining part of the proposed drilling be done to the southeast of the Corvusite mine in the area stage 1. The plan was approved and the drilling (holes 640-652) was completed satisfactorily. Drilling on contract Idm-E-project commenced March 26, 1953, and was completed August 21, 1953. Fifty-three diamond drill holes totaling 7,414.5 feet were completed during this period.

RESULTS OF EXPLORATORY WORK

Of the 53 holes drilled, 3 holes penetrated material classified as being of ore-grade and thickness (1 foot or more thick and containing 0.10 percent or more U₃O₈ or 1.0 percent or more V₂O₅).

In addition, 6 holes penetrated mineralized material less than 1 foot thick or containing less than 0.10 percent U₃O₈ and 1.0 percent V₂O₅.

The accompanying map (fig. 1) shows the ground underlain by uranium and vanadium-bearing rock. Sufficient drilling was done to indicate that the thick channel-like portion of the ore-bearing sandstone, and the associated mineralized material, extends about 400 feet southeast of the present workings.

The uranium-bearing reserves can be only roughly estimated, because only one hole was drilled in each ore mass. It is estimated that about 500 tons of inferred reserves, averaging about 0.4 percent U₃O₈ and 1.5 percent V₂O₅, were discovered by the drilling. Additional small ore bodies will probably be discovered during the development of the ore bodies discovered by the drilling described in this report.
Table 1. Assay information; DMEA Docket 2146

<table>
<thead>
<tr>
<th>Hole No. and collar elev. (feet)</th>
<th>Assay data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Depth in feet From</td>
</tr>
<tr>
<td>605</td>
<td>168.2</td>
</tr>
<tr>
<td></td>
<td>170.2</td>
</tr>
<tr>
<td></td>
<td>181.9</td>
</tr>
<tr>
<td>612</td>
<td>164.0</td>
</tr>
<tr>
<td>615</td>
<td>199.0</td>
</tr>
<tr>
<td></td>
<td>201.2</td>
</tr>
<tr>
<td>619</td>
<td>143.3</td>
</tr>
<tr>
<td></td>
<td>153.2</td>
</tr>
<tr>
<td>626</td>
<td>192.7</td>
</tr>
<tr>
<td></td>
<td>212.0</td>
</tr>
<tr>
<td>629</td>
<td>157.8</td>
</tr>
<tr>
<td></td>
<td>168.3</td>
</tr>
<tr>
<td></td>
<td>168.8</td>
</tr>
<tr>
<td>640</td>
<td>219.0</td>
</tr>
<tr>
<td>642</td>
<td>219.0</td>
</tr>
<tr>
<td>644</td>
<td>148.0</td>
</tr>
</tbody>
</table>
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region IV
Subject: Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Corvusite Mine, Grand County, Utah

Reference is made to your letter of February 15, 1954, wherein you request advice as to the approximate date you may expect to receive the final report relative to work performed under the subject contract.

The heavy workload of the U.S. Geological Survey personnel available for DMEA work has delayed preparation of the final geologic report. We have been advised that the report is in preparation and will be available the early part of this month.

[Signature]
John F. Shaw
For W. H. King
Mr. W. E. King
Executive Officer
Dutch Field Team, Region IV
226 New Court House Building
Denver 2, Colorado

Re: Docket No. DMR-3156 (UNR-2201)
Contract No. IDA-3156
Besameco Mining Company
Gunnison Mine
Grant County, Utah

Dear Mr. King:

The work under the purchased contract was completed August 31, 1953. We have recently received copies of a semi-
annual report on operations at this certified project covering the period July 1 to December 31, 1953.

We have not yet received the final reports of the
Operator and the Field Team on this project and would appreciate
being advised the approximate date we may expect to receive them.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

APPROVED:

J. H. Hedges

Messrs. N. R. Kaiser, Rm. 3641
AP&N, Rm. 3212 - GSA
Ching
Code 700

Philip W. Guild

Dutch Field Team, Region IV
Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty on Bonus Payments for initial Production of Uranium Ore

January 27, 1953

Reference is made to your letter of inquiry dated January 20, 1953, concerning the above subject.

All operators of DMEA contracts for uranium have been notified that royalty is due on all AEC bonus payments. To date we have received the following amounts in payment of royalty on AEC Production Bonuses:

- E61 Cherokee Mines 626.41
- E236 Excelsior Uranium Corp. 130.13
- E381 Sunnyside Uranium Corp. 206.29
- E399 Salina Mining & Smelting Co. 27.58

Total $990.33

In addition we have bonus royalty due on several shipments from various other operators for which we have requested payment.

We have been notified by the Gateway Mining Company, E408, and the Boomerang Mining Company, E415, that their properties are not eligible for AEC bonus payments. We have verified these statements through the AEC office in Grand Junction, Colorado.

/s/ W. H. King

W. H. King
Reference is made to your above-named Exploration Project Contract for uranium. You are probably aware that in some similar cases it has been found that some part or all of the land which is the subject of the exploration project contract consists of claims located on land which was subject to prior Federal oil and gas leases. The validity of such claims is doubtful, and in some cases the Atomic Energy Commission has issued a lease to the land for whatever benefit that may afford in curing the invalidity as far as uranium is concerned.

By the recent act of Congress approved August 12, 1953 (Public Law 250, 83d Cong.), mining claims located between July 31, 1939, and January 1, 1953, on United States Lands which were then subject to oil and gas leases, may be validated by the owners of such claims, if, not later than December 10, 1953, they

"... post on such claim in the manner required for posting notice of location of mining claims and file for record in the office where the notice or certificate of location of such claim is of record an amended notice of location of such claim, stating that such notice is filed pursuant to the provisions of this Act and for the purpose of obtaining the benefits thereof."

If any of the land which is the subject of your Exploration Project Contract includes a located claim or claims, the validity of which might be questioned on account of a previous oil and gas lease, the statute cited is called to your attention so that you may validate your rights as above indicated, if you consider this to be in your interest. This Agency deems such validation to be desirable even though the land in question may be covered by a lease from the Atomic Energy Commission.

Sincerely yours,

MChing/gla
11-4-53
cc to: Docket file
Region IV (2)
Division contract file
Administrator
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

NOV 2 1953

Downloaded is a certification - the final deed of truce of a "coercion or equipment under mining contract contract." This certification covers all the land described in Article 3 of the above described contract, or executed.

In the event of the application in the net contract, as amended, one of the certificate, all mining and other valuable minerals produced from the claim as described in Article 2 of the contract, from October 1, 1952, the date of the contract, are subject to the Department's ownership right as set forth in the contract, until the amount has been paid or the part of the contract is repaid, or until the contract, 1952, is shown null first.

Yours truly,

F. E. Mitton
Assistant Secretary of the Interior

C. O. Mittendorf
Assistant Secretary of the Interior

RECEIVED

3-17-53

[Signature]
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

NOV 3 1953

Mr. C. E. Hollingsworth, Director

attacked division

Washington, D.C.

For D. E. Jay, Staff Assistant to the Director

Col. A. M. Betts

This letter is to call to your attention the term of the contracts entered into by your office, as well as the final disposition of the contracts, as not to extend beyond the time when the contracts have been renewed, as may be necessary for your information.

I am, Sir,

C. O. Whitmarsh

Chief, Contract Division

cc to:

The Federal Supply Service

Alaska, P.O. 160

Mr. T. A. A. Johnson, Contract

Mr. E. L. Gatschke, Contract

Audit Division

Ms. E. L. Gatschke

Office of the Federal Supply Service, Division

Ms. E. L. Gatschke, Contract

Mr. T. A. A. Johnson

Hollingsworth, Division IV (2)
Memorandum

To:        C.O. Mittendorf, Administrator, DMEA

From:      Executive Officer, DMEA Field Team, Region IV

Subject:   Docket No. DMEA 2446 (Uranium), Contract Idm-E445,
            Boomerang Mining Co., Grand County, Utah

Enclosed are the Government, Division, and Docket copies of Amendment No. 5 to Contract Idm-E445 which was prepared in Washington and executed by you for the Government to add the Bonanza No. 6 claim in the ground described under Article 2 of the contract.

Copies of this amendment have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our files.

W. H. King

Enclosures
October 15, 1953

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault, Rare & Misc. Metals Division

Subject: Docket No. BMEA-2146 (Uranium)
         Contract No. Idm-E445
         Boomerang Mining Company

     Mr. Ching reviewed and approved Amendments Nos. 3 and 4, both dated October 6, 1953, to the above contract.

Grace L. Ault
Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Certification of Discovery-Boomerang Mining Co., Docket No. DMEA 2446 (Uranium), Contract Idm-E445, Grand County, Utah

Enclosed are four copies of a report recommending Certification of Discovery on Contract Idm-E445.

Enclosures
Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA-2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

October 12, 1953

Attached are five copies of a memorandum prepared by H. K. Thurber, Jr., pertaining to a recommendation for certification of discovery on the subject project.

The contract and amendments thereto permit diamond drilling a total of 7,440 feet in three general areas, which include 8 mining claims as listed in Annex No. 1 of the short-form contract. Bulldozer stripping is also allowed. The operator has continued production from underground workings during the conduct of the exploratory program. All ores shipped from claims listed in the contract and amendments are subject to DMEA royalty. To date no royalties have been paid by the operator. Proper records are maintained by the operator to permit royalty payments before accounts are settled after project completion.

Ores on the Boomerang property are associated with carbonized plant remains in arkosic sandstone. Much of the ore is dark purple to black in color and undoubtedly contains considerable covellite. Carnotite and other uranium and vanadium minerals are also present.

As shown on the attached plan map, the ore channel trends in a northwest-southeast direction through the Bonanza No. 1 and No. 2 claims. Drilling has been completed in the ore zone on the Bonanza No. 6 claim, but assay data are not available. This claim parallels the Bonanza No. 2 claim on the east.

It is recommended that a discovery be certified on property of the Boomerang Mining Co.

Stephen R. Wilson

Enclosure
Docket No. BMSA 2446 (Uranium), Contract IDA-5445, Boomerang Mining Co., Grand County, Utah. Recommendation of Certification of Discovery

The BMSA contract work on the subject property has progressed to such a point that a recommendation of certification of discovery can be made on the basis of the results of diamond drilling near existing workings and rim stripping in a new area.

The attached map shows four ore holes drilled in the apparent trend of the ore zone ahead of the existing workings on the Bonanza No. 2 claim. An arbitrary limit of the ore discovered by the drilling is outlined on the map.

Tabulated below are assay results of samples of ores recovered from the holes as reported by the operators in their certified logs of the holes:

<table>
<thead>
<tr>
<th>Hole No.</th>
<th>Length of Sample, feet</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>Ga₂O₅</th>
</tr>
</thead>
<tbody>
<tr>
<td>603*</td>
<td>2.0</td>
<td>0.03</td>
<td>0.02</td>
<td>---</td>
</tr>
<tr>
<td>605</td>
<td>0.3</td>
<td>1.02</td>
<td>1.76</td>
<td>2.4</td>
</tr>
<tr>
<td>619</td>
<td>1.0</td>
<td>0.62</td>
<td>5.00</td>
<td>2.3</td>
</tr>
<tr>
<td>628</td>
<td>0.9</td>
<td>0.78</td>
<td>1.43</td>
<td>3.6</td>
</tr>
<tr>
<td>639*</td>
<td>0.5</td>
<td>0.97</td>
<td>1.88</td>
<td>2.7</td>
</tr>
<tr>
<td>639</td>
<td>1.0</td>
<td>0.02</td>
<td>0.32</td>
<td>---</td>
</tr>
</tbody>
</table>

* A weighted average of the two samples in these holes was obtained and used in subsequent calculations.

Calculations based upon these samples show the average thickness of the ore to be 1.4 feet and a weighted average grade of the ore to be 0.39 percent U₃O₈ and 1.43 percent V₂O₅.

The plan area of the arbitrary ore block is 19,575 square feet, and, assuming an average thickness of 1.4 feet, the volume is 27,504 cubic feet. Assuming a tonnage factor of 13 cubic feet per ton, the tonnage in the block is approximately 2,100 tons. If this is 70 percent recoverable, then the estimated mineable ore reserve is 1,470 tons.

From the current price schedule, it is found that the uranium contained at the calculated grade is worth $61.35 per ton. The vanadium contained (at $0.31 per pound) is worth $8.57 per ton, thus increasing the total value per ton to $70.22. This is before the hauling allow-
ance of $0.06 per ton mile is added. Inasmuch as hauling cannot generally be contracted for at this rate, hauling is considered a charge at from $0.02 to $0.04 per ton mile, and for the purpose of this calculation, is included in the mining and transportation cost.

At the value per ton calculated above ($70.22), the gross value of the mineable ore would be approximately $103,220. It is estimated that the mining and transportation cost would be $10,00 per ton, and at this cost, the net value of the ore body would be $103,220 minus $14,700 = $88,520.

In addition to the above calculated reserve, a discovery of a minor tonnage of ore was made during the rim stripping on the Grandee group of claims. Some shipments have been made from this ore, but no record is available in this office.

Shipments have been made from the workings shown on the attached map, of which the operators have complete record. The operators are aware of the conditions of royalty repayment.

On the basis of the ore discovered by drilling and rim stripping, as well as the ore shipped, it is recommended that a certification of discovery be made on the subject property.

H. K. Thurber, Jr.

Enclosure - maps
Mr. W. H. King  
Executive Officer, DMEA  
Field Team, Region IV  
224 New Customhouse Building  
Denver 2, Colorado

Re: Boomerang Mining Company  
Docket No. DMEA-2446 (Uranium)  
Contract Idm-5445  
Grand County, Utah

Dear Mr. King:

Pursuant to the request contained in your memorandum to the Administrator dated September 29, 1953, in the above-entitled case, enclosed duly signed by the Administrator, for execution by the Operator, is Amendment No. 5, adding the Bonanza No. 6 claim to the property which is the subject of the Exploration Project Contract. Please fill in the original date of recording of this claim.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

Approved:

J. H. Hedges
Member, Bureau of Mines
AEKane:ep 10-7-53

Copy to: Mails & Files  
Admr. Reading File  
Operating Committee  
Mr. H. D. Keiser, B/M  
Mr. A. P. Butler, Jr., USGS  
Mr. Ellis  
Mr. Hofflund  
Mr. Kane  
Chron.  
Pending
Memorandum

To: C. O. Mittendorf, Administrator, DMEA
From: Executive Officer, DMEA Field Team, Region IV
Subject: Docket No. DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Company, Grand County, Utah

Enclosed are the original and two copies of Amendment No. 3 and Amendment No. 4 to the subject contract. Amendment No. 3 extends the period of recess of operations from July 10, 1953 to September 15, 1953. Amendment No. 4 amends Exhibit "A" attached to the contract to modify the description of the work. Also enclosed are three sets of supporting data pertaining to each amendment.

Copies of these amendments have been given to the operator, the Fiscal Officer, Region IV, and a copy of each has been retained for our files.

Enclosures

W. H. King

RECEIVED

OCT 20 1953

GENERAL COUNSEL
DEFENSE MINERALS ADMINISTRATION
Memorandum

To: W. H. King, Executive Officer, IMEA, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. IMEA 2446 (uranium), Contract IDM-2445, Boomerang Mining Co., Grand County, Utah

Attached are the original and seven copies of a memorandum prepared by H. K. Thurber pertaining to the subject docket, with suggestions concerning changes in the contract to conform with geologic and operational conditions on the property.

Information contained in Thurber's memorandum was assembled as a result of discussions in your office August 13 and 14, 1953, and conversations with R. P. Fischer, J. W. Healer, and L. J. Eicher, Geological Survey, Grand Junction, Colorado. Discussions were had also with the operator subsequent to the above meetings.

If you believe the information can be more effectively presented in any other manner, please advise.

Stephen R. Wilson

Enc.
H. K. Thaxter, Jr.

Deakot BLM 9446, Contract IDa-8545, Boomerang Mining Co., Grand County, Utah. Discussion of MF-104 forms for the period March 26 to April 30, 1953, and recommendations for extension of original project areas.

The subject MF-104 forms with supporting data have been reviewed and the contents of Mr. King's memorandum of July 8, 1953, noted. Pursuant to the memorandum and subsequent talks with personnel in Mr. King's office concerning the best method of reimbursement to the operators, the questions involved were discussed with members of the Geological Survey staff in Grand Junction, Colorado, familiar with the subject property. The proposed method of settlement agreed upon in Denver was discussed with the operators at the property on August 17, 1953, at which time the operators expressed the desire to be paid for the entire group of holes drilled during the reporting period rather than part of the holes, an alternative suggested by the Denver office to expedite partial payment.

The MF-104 forms and supporting documents show that 4,788 feet of diamond drilling and 128 hours of bulldozer work were done from March 26 to April 30, 1953. The project work was resumed on April 30, 1953, at the suggestion of the Geological Survey pending study of the results of that agency's drilling in order that the 2,632 feet of drilling remaining under the contract could be most effectively used by the operators. Amendment No. 2 to the contract allows the recess for the period of April 30, 1953, to July 10, 1953. Drilling could not be resumed by July 10 and the operators in a letter dated July 9, 1953, requested an extension of recess period. Drilling was resumed July 30 and in the opinion of personnel of the Denver office, expressed during discussions of the matter, an amendment to extend the recess period will not be required.

The attached maps show the holes drilled on the subject property during the reporting period under Contract IDa-8545. Figure 1, "Sketch map showing approximate location of holes drilled," indicates the location of holes drilled in the vicinity of the mine workings. The map also shows the boundaries of Area I as outlined in the contract, and the relation of the ore discovered by the BLMA drilling to the claim boundary and the existing workings. The holes in the 600 series are those drilled recently under the subject contract while those in the 500 series were drilled by the Bureau of Mines in 1945 under the Strategic Minerals program. Figure 2, "Sketch map of work performed, Boomerang Mining Co.," shows the rim stripping and diamond core drilling done on the Granito and Uramite groups of
claims. This work is only partially in Area III designated by the contract. This map shows that no work was accomplished in Area II designated by the contract.

It is obvious from a study of the above-described maps, and maps included as part of the contract, that much of the diamond drilling done by the operators was outside the areas designated as "target areas" in the original report of examination. Referring to Figure 1, attached, it is evident that the mineralized area found by drilling reported by the subject MP-104 forms covers only a small section in the northeast corner of Area I which bears out the contention that in this instance an attempt to set a limited boundary of the area to be explored reduces greatly the effectiveness of an exploratory program and materially reduces the chances of finding ore. This reasoning is generally applicable to Colorado Plateau uranium deposits which are, for the most part, irregular in both plan and vertical dimension.

In this connection, it will be noted that the drilling done by the operators follows, in general, the pattern outlined by the examining geologists, and illustrated in their map accompanying the original examination report. Discussion with one of the examining geologists in the Salt Lake City office reveals no intent on their part to strictly specify limited areas of work in their recommendations.

At a meeting of the inspecting engineer with personnel of R. P. Fischer's office, Grand Junction, Colo., on August 18, 1953, the matter of drilling on sites outside the specific areas outlined in the contract was discussed. A memorandum dated August 26, 1953, from R. P. Fischer to A. H. Kochmann, to which reference should be made, resulted from this meeting. In the opinion of the project geologist for the Beaver Mesa area, under whose supervision the Geological Survey reconnaissance diamond drill holes in the Carrosville area were drilled, the holes drilled by the operators outside the specified project areas were valuable in delineating the "favorable" and "semi-favorable" zones on the Beaver, Uvastah, and Grandes groups of claims and were in no sense wasted. The majority of the holes were located on sites suggested by the U.S.A. representatives on a geologic and engineering basis and after discussion with the operators. The "favorable" area outlined and the uranium mineralization discovered by drilling under the U.S.A contract and by Geological Survey drilling is shown on a map attached to a memorandum from R. P. Fischer to A. H. Kochmann and W. H. King dated August 19, 1953. The map is Figure 1, "Map of Carrosville Mine and vicinity, West Central Beaver Mesa, Grand County, Utah."

Hole sites suggested by the project geologist on a basis of previous U.S.A. and Geological Survey drilling as the most efficient use of the 2,650 feet of drilling remaining under the contract are shown on this map and described in the above-mentioned memorandum. These sites are within the zone believed to be favorable and extend
into the southeast corner of Bonanza No. 2 claim and tentatively into Bonanza No. 6 claim. It should be noted that all but three of these holes lie outside the Area 1 specified in the contract.

The operators have requested that Bonanza No. 6 claim be included in the list of claims in Article 2 of the contract. This will be necessary if drilling is to be done on the claim as recommended by the Geological Survey memorandum. The operators have filed an amended location notice on this claim pursuant to requirements of the recently passed Senate Bill 1597 pertaining to mineral claims located on Federal oil and gas leases. This amended location certificate was filed August 19, 1953, in Book 11, page 11 of the records of the County Recorder, Grand County, Utah, at Moab, Utah.

Diamond Drill holes 650 through 659 were drilled behind ore cutters and uncovered by rim stripping on the Salt Wash ridge on the Grandes No. 1 and No. 2 and Urviah No. 2 claims (Fig. 2). No ore was encountered in any of these holes, but shipments have been made from the surface cutters. The numbers of these holes have been added to the map. Verbal approval of the DNR representative was given for this work.

The results of the diamond drilling under the subject contract have been favorable in the area of the Cerusite workings. The operators estimate that a sufficient tonnage of ore has been discovered by the contract drilling to allow mining at an increased rate for 2 to 3 years. A recommendation for a certification of discovery will be made on the property.

In view of the factual data and the positive accomplishments of the drilling under the contract for the reporting period, it is recommended that:

1. Exhibit "A" of the contract be changed by amendment to permit drilling on any area within the boundaries of the claims listed in Article 2 of the contract, the holes to be placed on sites suggested or recommended to the operators by the Geological Survey project geologist in the area.

2. The Bonanza No. 6 claim be included in the list of claims in Article 2 of the contract to allow drilling on this claim as suggested by the Geological Survey and outlined on the map accompanying their memorandum mentioned in an earlier paragraph.

3. An amendment be written to allow the transfer of drilling footage remaining under the contract from areas north of the Cerusite workings to an area south and east of the workings to sites outlined in the Geological Survey's memorandum.

4. The recommended amendment bear an effective date prior to the date of renewal.
5. Subject to the writing of the amendments recommended in the paragraphs above, the operators be paid under the terms of the contract for all the footage drilled during the reporting period and shown on the M-104 forms, certified drill logs, and supporting documents for the reporting period March 26 to April 30, 1953. Reimbursement is recommended in the amount of $14,375.02, which is 90 percent of $15,972.34, the total expenditure under the contract for the reporting period.

K. K. Thurber, Jr.

Encls.
Memorandum

To: W. E. King and A. H. Koschmann
Field Team, Region IV

From: R. P. Fischer
Colorado Plateau District

Subject: Amendment to DMEA Docket 2446, Idm-3445, Boomerang Mining Company, Corvusite Mine, Grand County, Utah

Problems relative to the payment of work performed under DMEA Docket 2446, Contract Idm-3445, Boomerang Mining Company, Corvusite Mine, Grand County, Utah, were discussed with Mr. H. K. Thurber, Engineer, U. S. Bureau of Mines, August 18, 1953, in Grand Junction, Colorado.

The diamond-drill holes, drilled under the DMEA contract, have proven generally favorable, so far as exploring for and delimiting ore bodies near the Corvusite Mine are concerned. Two DMEA diamond-drill holes cut material thought to be of possible ore grade and thickness immediately southeast of the Corvusite Mine workings. Four other holes southeast of the Corvusite Mine workings cut mineralized material although this material might be too low in grade or too thin to be mined profitably.

The operator has planned each drill site to the best of his ability and has consulted frequently with DMEA representatives (Geological Survey geologists and Bureau of Mines engineers) while planning the majority of drill sites. The operator has cooperated in every way with DMEA representatives concerning the various requests and advice made by them throughout the course of the contract.

The geologic report by D. C. Laub and A. O. Taylor on DMEA Docket 2446, transmitted September 3, 1952, outlined an exploratory program in each of three general areas, namely, the North Draw area, the North Rim area, and the area around the periphery of the Corvusite Mine (DMEA geologic report, fig. 3). It did not restrict the exploratory work to definite, blocked-out areas as shown in the DMEA engineering report (fig. 3) which was outlined in the DMEA Contract Idm-3445. The examining geologists thought it advisable to allow the applicant reasonable flexibility in planning his diamond drilling so that he could obtain the best possible results.
L. J. Eicher and J. W. Hasler, USGS geologists, recommend that the contract be amended to include the areas for exploration as outlined by the examining geologists (DMEA geologic report, fig. 3) and not restrict payment to work done only in the blocked-out areas I, II, and III (DMEA engineering report, fig. 3; and Contract Idm-3445), and that payment of DMEA work done on the claims listed in article 2 of the contract be approved.

(signed) R. P. Fischer
Acting District Supervisor
Memorandum

To: "DMEA Field Team, Region IV"

From: A. H. Koschmann

Subject: "DMEA Docket 2446, Idm-E445, Boomerang Mining Company, Corvusite Mine, Grand County, Utah. (Recommendation that original footage be granted)"

Enclosed are 4 copies of a memorandum report by R. P. Fischer of the U. S. Geological Survey covering the above docket.

It has been recommended that the operator's requested change in exploration plans be approved, and the contract amended according to the plan outlined in the attached report.

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (4)
Memorandum

To: A. H. Roschmann and W. H. King
Field Team, Region IV

From: R. F. Fischer
Colorado Plateau District

Subject: D.M. Docket 246, Idm-2445, Boomerang Mining Company, Corvusite Mine, Grand County, Utah. (Recommendation that original footage be granted)

The Boomerang Mining Company, D.M. Docket No. 246, Idm-445 (Uranium), has been granted a loan to conduct surface diamond drilling and rim stripping in the vicinity of the Corvusite mine. The application proposed to explore for a southeastward extension of the Corvusite deposit and to explore two areas to the north and northeast of the Corvusite mine (referred to as the North rim and North Draw areas) for new uranium deposits.

Diamond drilling under the contract began March 26, 1953, and was recessed April 29, 1953. During this period, 39 holes totaling 4,780 feet were completed, 33 of which were drilled in the area around the Corvusite mine workings. The 9 remaining holes were drilled in the north rim area after the rim stripping in that area was completed. No drilling was done in the North Draw area.

The exploratory drilling described above resulted in the discovery of an extension of the Corvusite deposit to the east of the workings and the discovery of two small outcrops of mineralized material in the North rim area. The holes drilled in the North rim area to test for extensions of these two small deposits found no mineralized material.

With 2,652 feet of the proposed drilling unfinished, the drilling was recessed April 29, 1953, because the drilling in the North rim area discovered no new deposits. Drilling in the North Draw area under the D.M. contract was deferred until the U.S. Geological Survey drilling nearby (on behalf of A.G.) was completed.

Based on the appraisal of the U.S.G. drilling to the east and north of the Corvusite mine, it appears that the ground in the vicinity of the North Draw area is not favorable, and hence it would be desirable to move the D.M. drilling proposed for this area. The only area where further drilling appears justified is to the southeast of the Corvusite mine. The previous drilling done under the D.M.A contract in this area, as well as the U.S.G. drilling in this ground, partially outlined an area favorable for the occurrence of ore bodies. The operator has recently requested that the balance of the proposed drilling be used for additional exploration in this area.
By letter dated July 9, 1953, the Boomerang Mining Company requested permission to use some of the remaining footage on the Bonanza No. 6 claim, and this appears desirable (see fig. 1). The title to this claim, however, has been clouded by conflict with an oil and gas lease. Although the company has applied to BLM for a validating oil and gas lease, BLM has not approved this lease, pending the outcome of legislative action to resolve such conflicts. As this act has recently been passed by Congress and signed by the President, title to this claim can be cleared by procedure specified in the act.

The act requires the claim locator to amend his location, posting amended notices in the field and filing an amended location in the county records. The claim becomes invalid if not amended within 120 days after the President signed the act.

The operator has been informed of this procedure, and we will assume that the Executive Officer of Region IV will determine what proof of amendment is required by BLM and so notify the company.

It is understood that the operator has already resumed exploratory drilling.

J. J. Wilson

It is recommended that the operator's requested change in exploration plans be approved, and the contract amended according to the plan outlined below contingent upon resolution of the problem of claim title mentioned above.

One diamond-drill hole is proposed (fig. 1) to test the eastward extension of the Corvusite deposit. This hole will probably be about 200 feet deep. Eight other holes, spaced about 200 feet apart and averaging about 165 feet deep, are proposed to explore for ore in the area south and southeast of the mine workings (fig. 1). The footage required for these holes will leave approximately 822 feet (enough for five holes) to complete the contract. If one or more of the eight holes should cut material thought to be mineralized (any sample at least 0.1 foot thick which contains at least 0.02 percent U₃O₈ or 0.20 percent V₂O₅ can be classed as "mineralized material"). The remaining footage should be used in holes drilled at 50-foot intervals. Sites for these holes, of course, can not be determined in advance but can be selected by the Boomerang Mining Company. If none of the eight holes cut mineralized material, the remaining footage should be used in holes spaced at 200-foot intervals to continue testing the favorable ground in the general area of the eight exploratory holes shown on figure 1. The Geological Survey field representative will gladly assist the operator in selecting these drill-hole sites.

If some of the proposed drilling cannot be done on the Bonanza No. 6 claim, because of the clouded title (see above), the drilling proposed for the Bonanza No. 6 claim probably can be done effectively on the Bonanza No. 2 claim; holes A-1, A-2, A-3, and A-4 (see fig. 1) can be drilled in place of the four holes spotted on the Bonanza No. 6 claim.

cc: J. M. Wilson, G. J. File, Reading File, Hoschmann and King (3)
Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Enclosed is the following material relative to additional ground to be included under Article 2 of the subject contract.

(1) Four sets of data consisting of the original and three copies of the following material:
   (a) Letter from the Operators, dated July 9, 1953, requesting an amendment to the contract.
   (b) Memorandum Report, dated September 24, 1953, from H. K. Thurber Jr., of the Bureau of Mines, relative to the Operators' request.
   (c) Memorandum, dated September 24, 1953, from the Chief, Minerals Development Branch, Mining Division, Region IV, in transmittal of the material under items (a) and (b).

(2) Letter from the Operators, dated September 8, 1953, and enclosed photostatic copy of an "Amended Location Notice" pertaining to the Bonanza No. 6 claim.

(3) Original and five copies of "Owner's Consent to Lien," executed by F. Roy Stone on the Bonanza No. 6 claim. The documents are forwarded to be made a part of the proposed Amendment.

Reference is made to the Operators' request for an Amendment concerning items 1 and 2 in their letter of July 9, 1953. Amendments No's. 3 and 4 have been processed in this office covering those matters and have been forwarded to the Operators for signature.

With reference to matter under item "3", Stone's 1/2 interest in the Bonanza No. 6 claim is included in the lease to the Boomerang Mining Co., cited under Article 2(a) of the contract. The matter of including additional ground under Article 2 of the contract is not within the authority delegated to this office. Therefore, the material is forwarded for your consideration and appropriate action.

We recommend that Amendment No. 5 be prepared to include the Bonanza No. 6 claim under Article 2 of the contract.

W. H. King
Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA-2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah. Operator's request for amendments to the contract.

Attached are six copies of a letter received from the subject operator requesting three separate amendments to the contract. Requests 1 and 2 as listed in the operator's letter have previously been processed through your office. Request 3 involves inclusion of the Bonanza No. 6 claim under Article 2 of the contract.

Drilling on the property has disclosed the trend of the ore channel to enter the Bonanza No. 6 claim. It is logical that this claim be included in the contract. The area of the Bonanza No. 6 claim is covered by a prior Federal oil and gas lease. However, the partners of the Boomerang Mining Co. have amended the location as required to validate the claim, under Public Law 250 - 83rd Congress, S. 1397. A statement from the Boomerang Mining Co. dated September 8, 1953, together with a photostatic copy of an amended location notice pertaining to the claims, are attached.

An undivided one-half interest in the Bonanza No. 6 claim is held by F. Roy Stone. The remaining interest is controlled by the partners of the Boomerang Mining Co. Six copies of "Owner's Consent to Lien," form have been signed by Mr. Stone and are enclosed. Execution of the forms was requested in your memorandum of September 16, 1953.

It is recommended that the contract be amended to allow inclusion of the Bonanza No. 6 claim under Article 2.

Stephen R. Wilson

Enclosures
S. R. Wilson

H. K. Thurber, Jr.

Beaumont No. DMA 2446 (Uranium), Contract IDA-6445, Bunker Hill Mining
Co., Grand County, Utah. Inclusion of Beaumont No. 6 claim in the
project area.

The operator's amendment request dated July 9, 1953, and
Mr. King's memoranda of July 24 and September 16, 1953, have been
reviewed. The question of the inclusion of Beaumont No. 6 claim in
the area to be drilled appears to be the only matter mentioned that
remains to be clarified.

A review of the data pertinent to the status of the claim
in question shows the following:

1. The Beaumont No. 6 claim was located May 23, 1949, and
was filed in Book 9-J, page 234, of the records of the County Recorder,
Grand County, Utah.

2. The area on which the claim lies is covered by Federal
oil and gas lease No. 468249, applied for March 29, 1949, and presently
held by a 5-year lease dated March 1, 1950.

3. Pursuant to the requirements of Public Law 250, 83rd
Congress, Chapter 405, 1st Session, an amended location was properly
filed August 19, 1953, in the County Recorder's Office, Grand County,
Utah. This is recorded in Book 11, page 11.

The last action is believed to establish the right of the
subject operators to hold the Beaumont No. 6 claim. In view of this,
and geologic factors discussed in previous memoranda, it is recom-

dended that the Beaumont No. 6 claim be included in the area to be
drilled under an amendment to the contract, subject to the obtaining
of the properly executed Owner's Consent to Lien forms.

N. K. Thurber, Jr.

H. K. Thurber, Jr.
July 9, 1953

United States Department of Interior
Defense Minerals Exploration Administration
Mr. W. H. King, Executive Officer
224 New Customhouse	 RE: Docket DMEA-2446
Denver 2, Colorado	 Contract Idm-E-445

Dear Sir;

We would like to make application for an amendment to the above reference DMEA Contract and amendments as follows:

1. To extend the recess period from July 10, 1953 to September 15, 1953.

2. The total amount of drilling footage allowed by DMEA Contract Idm-E-445 amounts to 7440 feet of which 4738 feet has been drilled. We would like to spend the remaining footage of 2652 feet in drilling the Bonanza No. 2 and Bonanza No. 6 claims which is Area 1 on U.S.B.M. Map 1900-185-C.

3. To include Bonanza No. 6 claim into said contract.
   Bonanza No. 6 located May 28, 1949
   Recorded Book 95, Page 254, Grand County, Utah.

The reason for requesting an extension of time is due to the fact that it is impossible to get a drilling contractor, and they tell us that they should be able to do the remaining drilling within the next two months.

It appears that the ore channel which we intend to drill is extending onto Bonanza No. 6 thus the reason for including that claim.

Yours very truly,

BOOMERANG MINING COMPANY

Charles V. Woodard, Partner

Frank E. Woodard

Harold C. Anderson
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

September 18, 1953

W. H. KING, EXECUTIVE OFFICER, FIELD TEAM REGION IV,
221 NEW CUSTOMHOUSE BUILDING, DENVER 2, COLORADO

REURIT SEPTEMBER 16, 1953, BOCCATA MINING COMPANY, CONTRACT IDM-EL445,
APPROVE EXTENSION OF RESCESSION PERIOD FROM JULY 10, 1953, TO SEPTEMBER 15, 1953, WITHOUT GOVERNMENT OBLIGATION FOR ANY CAUSE INCURRED BY OPERATOR DURING PERIOD.  IN AMENDMENT ALSO PROVIDE CONTRACT COMPLETION DATE.

Frank E. Johnson (fw)
F. E. JOHNSON, ACTING ADMINISTRATOR

EWELLis/gla/db
9-17-53
cc to: Adm. Reading File
Docket
Messrs: H. D. Keiser, Rm. 3641
A. P. Butler, Jr., Rm. 3212
Ellis
Confirmation to Region IV

S E N T
SEP 18 1953
Clerical Service Section

R.C.S 9/18/53
REFERENCE DOCKET 2446, CONTRACT IDM-E445, BOOMERANG MINING COMPANY. OPERATOR HAS REQUESTED EXTENSION OF RECESS PERIOD FROM JULY 10, 1953, TO SEPTEMBER 15, 1953. PLEASE TELETYPE AUTHORITY FOR PREPARATION OF THE NECESSARY AMENDMENT TO AMENDMENT NO. 2.

LAST NUMBER IN MSG SHOULD BE "AMENDMENT NO. 2."
September 8, 1953

United States Department of Interior
Bureau of Mines
Mr. S. R. Wilson, Chief
1600 East First South St.
Salt Lake City 1, Utah

RE: DMEA Docket 2446
Contract Idm E-445

Dear Mr. Wilson;

On August 19, 1953, we filed an amended notice of location for Bonanza No. 6, Lode Mining Claim located in Sec. 20, T25S, R26E, SLM. This notice was entry No. 212868 and filed at 3:40 pm on August 19, 1953, and is recorded in Book 11, page 11; of records of the County Recorder, Grand County, at Moab, Utah. This notice was posted and filed pursuant to the provisions of Public Law 250-83rd Congress, Chapter 405-1st Session, S. 1397, and for the purpose of obtaining the benefits thereof.

Yours truly,

BOOMERANG MINING COMPANY

Charles V. Woodard
Charles V. Woodard, Partner
NOTICE IS HEREBY GIVEN, That F. Roy Stone, Harold C. Anderson, Charles V. Woodard, and Frank E. Woodard, citizens of the United States, having complied with all the requirements of the Laws of the United States and the State of Utah, relating to mining claims, and with the local laws, customs, rules and regulations of West Gateway (unorganized) Mining District, hereby made and file this Amended Location of the BONANZA No. 6 Lode, claiming by right of discovery, location, primal appropriation and possession 1500 feet, linear and horizontal measurement on this vein or lode of quartz, or other rock in place bearing other valuable minerals, along the course of said vein, with all dips, variations and angles, together with 300 feet in width on each side of the middle of said vein at the surface, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the line of said claim, 1200 feet of said lode running North and 1400 feet running South from the Initial Point and Discovery Stake. Said Initial Point and Discovery Stake being situated upon said lode or vein, within the line of said claim in the West Gateway (unorganized) Mining District, County of Grand, State of Utah. Said claim being particularly described by actual field notes of survey this 19 day of August, 1953, as follows, to wit:

Beginning at the Initial Point and Discovery Stake, at which this Notice is posted, with Magnetic Variation at Degrees Minutes East, thence:

Corner No. 1 bears N 19° E 1350 feet from S corner Sec 19 T 25 S.; R 26 E.; 51/4.

Corner No. 1 being common to corner No. 4 of Bonanza No. 2.

THIS AMENDED LOCATION is made in conformity with the Original Location, made 23 Day May 1949, recorded in Book 11 of Quartz Claims, in the office of the Recorder of said County, and is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the locus and boundaries of said Lode, correcting any irregularities, informalities or errors, and supplying any defects which may have existed in the Original Location, or the record thereof, hereby waiving no rights acquired under and by virtue of said Original Location.

Date of Amended Location, August 16, 1953.

Emma M. Dalton, the duly elected qualified and acting Recorder of Grand County, Utah, hereby certifies that above is a true copy of same, as it appears of record in my office in Book 11 of Mining Records at page 11, with Entry No. 212868.

IN WITNESS WHEREOF, I have hereto set my hand and affixed my official seal at Moab, Utah this 18th day of September, 1953.

Emma M. Dalton, Recorder, Grand County, Utah.

FORM 1148 For Sale at Dunkin Blue Print Co. Grand Junction.
July 13, 1953

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault, Weare & Misc. Metals Division

Subject: Amendments to contracts

Amerimex Mining Company, Amendment No. 2

Boomerang Mining Company, Amendment No. 2

Mr. Ellis reviewed the above amendments and has approved them.

New Penn Mines, Inc., Amendment No. 1

Mr. Knouse reviewed the above amendment and approves it, subject to review by the Legal Division.

Grace L. Ault
Memorandum

To: C. O. Mittendorf, Administrator
   Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Amendment No. 2 to Contract Idm-E445, Docket DMEA 2446, Boomerang Mining Company

Enclosed are the original and two copies of Amendment No. 2 to Contract Idm-E445. Copies of this amendment have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our files.

Also enclosed are three sets of data in support of this amendment.

W. H. King

Enclosures
Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-2246, Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Enclosed are six copies of a letter received from the subject company which includes a request to recess the contract work pending results of drilling by the Geological Survey in adjacent areas. An amendment may also be desired to transfer diamond drilling footage from any of the three present areas to the most favorable area as indicated by the Survey drilling.

A memorandum concerning the amendment requests was prepared by H. K. Thurber, and is attached. Plan maps illustrating the property and present status of exploration are included. Recommendation is made that amendments be granted as set forth in Thurber's memorandum.

[Signature]
Stephen R. Wilson

Enclosures 3
S. R. Wilson

H. K. Thurber, Jr.

DMEA-2446, Contract ID-445, Boomerang Mining Co., Grand County, Utah.

Request for amendment.

Attached are the original and 5 copies of the letter of transmittal accompanying MF-104 forms submitted by the subject operator, in which he requests a recess in the DMEA contract work pending results of Geological Survey drilling on nearby areas. Also attached are maps, Figs. 1 and 2, showing work accomplished to date on Projects I and III.

The operator states in his letter the amount of footage drilled on each of the project areas; 2652 feet remain to be drilled on all projects. The narrative report included with the MF-104 forms and the DMEA representative's conversation with the operator indicate that he wishes to transfer the footage remaining to areas found to be favorable by Geological Survey reconnaissance drilling.

In view of the results of drilling on Projects I and III, it is recommended that an amendment to the subject contract be prepared to allow:

(1) The recess of drilling under the DMEA contract for 6 weeks, starting May 30, 1953, with provision for resumption of drilling before the end of the 6 weeks, if indicated by results of Geological Survey drilling, and

(2) The transfer of the footage remaining under the DMEA contract to areas within the claims originally under the contract, irrespective of project areas, upon which the Geological Survey reconnaissance drilling shows mineralisation or favorable lithology. The holes drilled from the remaining footage should be located by the DMEA representative from the Geological Survey.

The drilling under DMEA contract to date has been successful in discovering an extension of ore and mineralisation beyond the existing underground workings and in delimiting the apparent channel in the area. The recess in the work was suggested by the geologist in charge of the Geological Survey drilling project in the area and is logical from the viewpoint of the more efficient placing of the remaining footage.

H. K. Thurber, Jr.
Mr. S. E. Wilson
U. S. Bureau of Mines
1600 East First South Street
Salt Lake City, Utah.

Dear Sir:

Enclosed are: Operator's unit cost and progress report
Operator's monthly report and voucher
Operator's Narrative report with two sketch maps.

We have drilled 4103 feet on Project I, 685 feet on Project III and none on Project II, which leaves 457 feet on Project I, 515 feet on Project III and 1600 feet on Project II. The U. S. G. S. is now carrying out a drilling project in this area. The tentative plan is to drill widely spaced holes to the east and north of our mine workings.

We would like to recess our BEMA drilling until the U. S. G. S. drilling is completed on our property. The footage left on our BEMA Project III should be used in the area that is most favorable.

On the map for Project I we have proposed a few additional holes in the ore channel. If the North Drew area (Project II) is unfavorable for mineralization perhaps some of that footage could be transferred to Project I. We will advise you of further progress on the U. S. G. S. drilling and additional drilling we have proposed.

We have only a rough Brunton and tape survey on the holes that have been drilled. As soon as possible we will make a transit survey and get the exact location and elevation of the collar of the holes.

The cores have been split, sampled and are now being assayed, as soon as we have the survey and the results of the assays we will send them to you with the complete logs of the holes.

Yours truly,

BOOMERANG MINING COMPANY

/2/ Charles V. Woodward
Charles V. Woodward, Partner
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

W. H. King, Executive Officer, DMEA Field Team, Region IV
224 New Customhouse Building, Denver 2, Colorado

REURTT BOOMERANG MINING COMPANY DOCKET DMEA-2146 CONTRACT IND-4145

APPROVE TEN WEEKS RECROSS WITHOUT GOVERNMENT OBLIGATION FOR ANY
CAUSE INCURRED BY OPERATOR DURING PERIOD. IN AMENDMENT ALSO
PROVIDE CONTRACT COMPLETION DATE.

[Signature]

G. O. MITTENDORF, ADMINISTRATOR

cc to: Adm., Reading File
Docket
Messrs: H.D. Keiser, Rm. 3641
A.P. Butler, Jr., Rm. 3206 HSA
Mr. Ellis
DMEA Field Team, Region IV (2)

SENT JUN 12 1953

Clerical Service Section
REFERENCE DOCKET DMEA 2446, CONTRACT IDM-E445, BOOMERANG MINING COMPANY. OPERATOR HAS REQUESTED AUTHORITY FOR A SIX WEEK RECESS OF OPERATIONS EFFECTIVE APRIL 30, PENDING COMPLETION OF GEOLOGICAL SURVEY RECONNAISSANCE DRILLING IN ORDER TO REAPPRAISE THE BALANCE OF DRILLING TO BE COMPLETED UNDER THE CONTRACT. SUBSEQUENT INFORMATION INDICATES THAT TEN WEEKS RECESS WILL BE REQUIRED. PLEASE TELETYPING YOUR APPROVAL.

W H KING

LAST WORD IN THIRD LINE IS "RECONNAISSANCE"

Denver, Co.
Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Amendment No. 1 to Contract Idm-E445, Docket DMEA 2446, Boomerang Mining Company

Enclosed are the original and two copies of Amendment No. 1 to Contract Idm-E445. Copies of this amendment have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our files.

Also enclosed are three copies of a letter from the operator requesting this amendment and three copies of a memorandum from a Bureau of Mines engineer recommending this amendment.

W. H. King

Enclosures
December 23, 1952

Memorandum

To: W. H. Ring, Chief, Mining Division, Region IV
From: Chief, Utah-Wyoming Branch, Mining Division

Subject: E-NA-2446, Contract 10m-2446, Boomerang Mining Co., Grand County, Utah

Enclosed are six copies of a letter received from the subject company requesting an amendment to postpone start of operations under the contract to March 1953. It is recommended that an amendment be granted to permit the contractor until March 15, 1953 to begin operations.

[Signature]
Stephen K. Wilson

Encls.
COPY

BOOMERANG MINING COMPANY

Gateway, Colorado
December 10, 1952

Mr. S. R. Wilson
U. S. Bureau of Mines
1600 East First South Street
Salt Lake City 1, Utah

Re: DMEA 2446

Dear Mr. Wilson:

We had hoped to get our project going this fall and perhaps drill a few holes before the weather got really bad; unfortunately, clearing the title due to Oil and Gas leases delayed the completion of the written contract with the government.

As we do not have the equipment necessary to clear roads and drill sites during the severe winter months we think the project would be inefficient if we were to proceed at this time.

In the best interests of the Government and the Boomerang Mining Company we are requesting a recess of the contract DMEA Docket 2446 until March 1, or March 15, 1953. This will still give us sufficient time to complete the contract by the original completion date of August 4, 1953.

Sincerely yours,

Boomerang Mining Company

/S/ Charles V. Woodard Partner
Memorandum

To: Ernest William Ellis, DMEA Member,
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member,
Uranium Commodity Committee

Subject: Final Report, DMEA Docket 2446 (Uranium) Bommerang
Mining Co., Grand County, Utah.

I have read the subject report and discussed it
with Mr. Arthur P. Butler, Geological Survey Member.

It is recommended that the report be approved.

H. D. Keiser
Office Memorandum • UNITED STATES GOVERNMENT

TO: E. Wm. Ellis, M. M. Member, Uranium Commodity Committee
FROM: Arthur F. Butler, Jr. USGS Member, Uranium Commodity Committee
SUBJECT: Final Report USCA Docket 2446 (uranium) Boomseng Mining Co.
Applicant: Bonanza Nos. 1 and 2, and Grandco Nos. 1, 2, and 3 Claims, secs. 19 and 20, T. 25 S., R. 26 E., S. L. B. R., Beaver Mesa District, Grand County, Utah.

I concur with the recommendations of the Field Team that exploration assistance for the Government's proportionate share of $24,113.00, be granted for exploration of the property identified in the subject above.

Arthur F. Butler, Jr.

Copy to: E. Wm. Ellis
Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse
Denver 2, Colorado

Re: Boomerang Mining Co.
Docket No. DMEA-2446
Contract Idm-E446 (Uranium)

Dear Mr. King:

The subject contract, executed by you in the field, has been reviewed and approved by this office, but the following comments may be useful to you in preparing other contracts.

The "Description of the Work" is set forth under that title in Exhibit "A", but some elements of the work are omitted and make it necessary to add to the description in the estimated costs. The "Description of the Work" says nothing about assaying, sampling, engineering, and core box preparation; but those items are listed in the "Estimate of Costs" for inclusion in the unit prices fixed for drilling.

As indicated in DMEA Circular 21, Article 4, all of the essential elements of the work should be included in the "Description of the Work", rather than by such indirect reference in the "Estimate of Costs". One can infer from your contract that "assaying, sampling, engineering, and core box preparation" are to be performed as part of the work, but there is no direct, explicit statement to that effect.

Sincerely yours,

J. L. Hofflund
Chief Counsel

JLHofflund/em
Copy to: Mails and Files
Adm. R. File
C. O. Mittendorf
E. W. Ellis
J. L. Hofflund
chron.
Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault
Rare and Misc. Metals Division

Subject: Docket No. DMEA-2446 (Uranium)
Contract No. Idm-E445, dated November 4, 1952
Boomerang Mining Co.

Mr. Ellis has reviewed the above contract which was finalized by the Executive Officer of Region IV, and has approved it. The copy of this contract received by us is being retained for our Division files.

Grace L. Ault

Grace L. Ault
Memorandum

To: Administrator, Defense Minerals Exploration Administration
   Attention: 210

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2446 (Uranium) Boomerang Mining Co., Grand County, Utah

Enclosed are four copies of the final report on DMEA-2446. The contract has been signed and is in effect.

W. H. King

A. H. Koschmann
September 17, 1952

Recommendation

To: Field Team, Region IV

From: Acting Chief, Mining Division, Region IV

Subject: Final report, DREA leased claim, (Uranium) American Mining Co., Grand County, Utah

Enclosed are eleven copies of the final report on DREA-claim by C. L. Middleton of the Bureau of Mines.

The examining engineer recommends the exploration project to consist of bulldozing and diamond drilling at a total cost of $34,118.

We concur in this recommendation.

V. E. King

Enclosures
September 10, 1952

Memorandum

To:     W. W. King, Acting Chief, Mining Division, Region IV

From:   Chief, Utah-Wyoming Branch, Mining Division

Subject: DEK-2460, Boomerang Mining Co., Grand County, Utah

Attached are the original and 10 copies of an engineering report covering an examination of the subject property for DSEA assistance. Also included are the required copies of a Summary, Conclusions and Recommendations section.

It is proposed that the exploration be conducted in three stages, stage 1 having the most promise for disclosure of ore. Stage 2 will be dependent upon the results of stage 1, and stage 3 will be started only after favorable results on stage 2. The separate areas shown on figure 3 of the engineering report illustrate the target areas for the three stages.

It is believed that a contract, if prepared, should utilize the short form. The engineering report itemizes the cost of drilling, bulldozer work, assaying and sampling, etc. The operator will agree to do the work, as outlined, for a specified amount per foot of drilling to include all costs attached to each stage. Under stage 1, the total estimated cost for the work is $12,045, or $3.08 per foot for 4,000 feet of drilling. Similarly, the cost of diamond drilling for stage 2 is $2,960 per foot for 1,680 feet of drilling and for stage 3, $4.25 per foot for 1,200 feet of holes.

The brochure and other information submitted by the applicant is attached. Also included are 9 extra prints each of figures 2 and 3 of the engineering report.

Stephan E. Wilson

Enclosures 5
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Allan L. Knoppers
Denver, D. C.

Sir,

I am authorizing the issuance of the following permit:

T. H. 115 in District 23, Colorado Mineral District, Grand County, Utah.

This permit is for mining of the designated area by A. M. Taylor and Ben J. Land of the U. S. Geological Survey, covering the following minerals:

It has been determined that the rights be issued.

A. H. Koechlin
Superintendent
Colorado District

Permit EE 5109

10-20-32
Memorandum

For: J. W. Ensminger, Field Team, Region IV

From: Ralph J. Roberts

Subject: Inquire U-382 (Uranium) Boomerang Mining Co., Beaver Reef District, Grand County, Utah

Enclosed are eleven copies of a geologic report on the Boomerang Mining Company's property, which was made in response to a request from the field team, Region IV.

The uranium and vanadium ore deposits of Boomerang Mining Company are in the upper part of the Salt Wash member of the Morrison formation of Jurassic age. The applicant's property has produced more than 30 tons of U3O8 and 60 tons of V2O5. The chance of finding new ore bodies of commercial size and grade on the applicant's property is good. I concur with the examining geologists recommendation that an exploration loan for $21,700.00 be granted.
UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

MINERAL RESEARCH ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TRAV
REGION IV

Perrins DE and 2148, Resources Mining Co., Perrins Mesa District
Grand County, Utah

(Uranium)

Allen C. Taylor and Ben C. Leub, Geologists
U. S. Geological Survey

August 21, 1952
SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By R. E. Middleton, R. C. Taylor, and J. O. Laid

The Corvisite mine of the Bovarang Mining Co. was examined by USGS representatives during July 1952. The company has requested a loan of $23,230 under docket 2440 to conduct bulldozer stripping and surface diamond drilling. The present examination was made for appraisal of the loan request. The examining engineer has estimated the proposed exploration will cost $24,112.

Uranium-cesium ore deposits on Bovarang Mining Co. property occur in the upper part of the Salt Wash member of the Morrison formation of Jurassic age. Mineralization is found chiefly in roll structures and elongate lenses of porous, arkosic sandstone. Two stratigraphic units were favorable for ore deposition in the Corvisite mine area. Both units are intercalated between clay beds. The average strike of the ore-bearing beds is approximately N. 40° W. The dip is 40° to 60° to the north-east. Uranium occurs in the mineral carnokite and also in a dark-colored, pitchy, carbonaceous mineral or minerals associated with probable corvisite.

The applicant's proposed exploration on the Bovarang property includes bulldozer work and diamond drilling in three separate areas. The proposals are sound and reasonable from an engineering and geologic standpoint. It is believed feasible to conduct the work in three stages, each operation separate from the other. The results of stage 1 will govern the work to be done on stage 2. Stage 3 will not be undertaken unless stage 2 proves successful.
Recommendation is made that a loan of $24,123 be granted to the Boomerang Mining Co. to explore uranium deposits by diamond drilling from surface locations in three areas. The work should be accomplished by stages as outlined above.
CONTENTS

Introduction 1
Geology 1
Ore Deposits 1
Ore Reserves 4
Proposed Exploration 4
Summary and Conclusions 5

ILLUSTRATIONS

Figure 1. Index Map

Figure 2. Geologic map of the Corvusite Mine showing proposed diamond drill hole exploration.

Figure 3. Claim map showing proposed exploration of the North Drew and North Rim areas, Soversung Mining Co.
INTRODUCTION

The Bessmering Mining Company, DMEA Docket 2446, Beaver Mesa Mining District, Grand County, Utah (Fig. 1) has applied to the Defense Minerals Exploration Administration for a loan to explore for uranium at the Cervantes Mine.

GEOLOGY

Beaver Mesa lies on the northeast side of the La Sal Mountains and is underlain by sedimentary rocks of Jurassic and Cretaceous age. The sedimentary rocks strike N. 40° W. and dip 4° NE. The uranium and vanadium ore bodies of the Bessmering Mining Co. are in the upper part of the Salt Wash member of the Morrison formation of Jurassic age. The ore bodies have the form of elongate "rolls" and lenses.

The Salt Wash member of the Morrison formation forms the cap rock of Beaver Mesa in all three areas considered in the applicant's exploration proposal. The Salt Wash member is about 300 feet thick and is composed of alternating beds of red sandy clay and arkosic sandstone. The sandstone beds range from 20 to 60 feet thick and show cross-bedding and local thickening that is attributed to channel occur and fill. Carbonaceous plant remains are locally present near the base of the sandstone beds together with a blocky resinous material that is evidently a hydrocarbon.

ORE DEPOSITS

The ore deposits of Beaver Mesa are found in the upper one-third of the salt wash member of the Morrison formation. The ore bodies mined by the applicant and others in the Cervantes Mine are in "rolls" and in elongate lenses of porous arkose sandstone. The ore bodies are underlain by green clays that
appear to have been formed by alteration from red clays. The chemical change probably represents a reduction of ferric to ferrous iron. Generally individual ore bodies are overlain by and bordered laterally by limonite stained sandstones.

There are at least two stratigraphic units that were favorable for ore deposition in the Cerussite Mine. Both units are porous, friable, slightly argillic sandstones, and both units are intercalated between clay beds. The stratigraphic separation of the two ore units is as much as 20 feet in the Cerussite Mine workings. The two ore beds are not regular in strike and dip in detail although their average strike is N. 45° W. and their dip is 4° NE. The ore units may be pictured as very surfaces with many ridges and hollows and large local differences in thickness. The undulating, very nature of the ore horizons is apparently an original sedimentary feature. The variation in thickness may be as much as 30 feet, rendering blind drifting in search of new ore bodies extremely hazardous.

The long flat-lying axes of individual ore bodies may be grouped into two principal sets striking N. 20° E. and N. 45° W. (Fig. 2). Each set is present in both of the two favorable ore beds.

No faults are known in the mine workings or elsewhere on Bunker Mesa. Two systems of steeply dipping joints are present in the Cerussite Mine. The joint systems are roughly parallel in strike to the long axes of the ore bodies. The joint systems are not visibly mineralized and they show no evidence of displacement. The joint systems do not appear to have any correlation with the distribution of ore bodies other than the parallelism in trend.

The only recognizable ore mineral is cerussite. The distribution of the cerussite strongly suggests that it is a secondary alteration product of an older uranium and vanadium mineralization. The potassium required for the
formation of carbonite may be derived from the organic material in the sedimentary beds of the salt marsh areas of the Jurassic formations.

The carbonite-bearing sandstone was abundant in the old workings nearest the rim of Jersey Dome, but the bulk of the ore mined since 1936 consisted of unidentified uranium and vanadium minerals or mineraloids that are black, dark brown or dark purple in color. The ore is intimately associated with carbonized plant remains and with a black substance having a bright luster and conchoidal fracture that is probably a hydrocarbon. A heavy, dark purple mineral that is probably carbonite is locally abundant in the Carbonite Mine. This mineral is generally coated with dark green and orange secondary alteration products that may be pitchblende and penasite respectively.

The ore minerals are present as disseminations and solid layers in porous, friable arkose sandstone. The ore-bearing sandstone is commonly present between clay beds which apparently acted as relatively impermeable barriers. Other ore-bearing sandstone in the mine may be bordered above and below by sandstone that is relatively hard and impermeable. Therefore, the ore bodies were localized primarily by stratigraphic controls. The nature and ultimate source of the uranium-and vanadium-bearing fluids that formed the original deposits are not known.

Individual ore bodies in the Carbonite Mine vary greatly in size. Maximum and minimum dimensions are from 1 to 12 feet thick, 5 to 30 feet wide, and as much as 100 feet long.

Since September, 1948 the applicant has shipped 2,488 short dry tons of ore averaging 0.41 percent U$_3$O$_8$ and 1.70 percent V$_2$O$_5$. These figures are believed to represent the average grade of mined ore bodies and to furnish an index to the expected grade of undiscovered ore bodies.
ORE RESERVES

Present ore reserves in the Carvanite Mine are confined to pillars left during the course of mining. Ore reserves do not exceed 300 tons at an estimated grade of 0.40 percent $U_3O_8$ and 1.5 percent $V_2O_5$.

There are no diamond drill holes ahead of the present mine workings to furnish data for estimating indicated or inferred ore reserves.

Assuming that new ore bodies are as abundant in ground considered in the applicant's proposal as they have been in the workings of the Carvanite Mine; 5,000 tons of ore averaging 0.40 percent $U_3O_8$ and 1.5 percent $V_2O_5$ may be inferred in the ground southwest and southeast of the present workings of the Carvanite Mine.

PROPOSED EXPLORATION

The applicant has proposed exploration of parts of the property of the Caravanite Mining Co. by diamond drilling and bulldozing (Figs. 2 and 3) at an estimated cost of $23,250.00. The applicant's proposal is geologically sound and can be carried out with only minor changes involving the locations of diamond drill holes.

The applicant's exploration program should be divided into three stages. Stages 1 and 2 should be carried out independently of each other. Stage 3 is dependent upon stage 2 and should not be undertaken if stage 2 is unsuccessful.

Stage 1: Diamond drilling around the periphery of the Carvanite Mine on ground considered geologically favorable for the discovery of new uranium and vanadium ore bodies. The locations of 23 proposed diamond drill holes are shown in Fig. 2. The locations are based on the projection of the long axes of prominent mined ore bodies in the Carvanite Mine. Provision should be made for fifteen additional holes, locations not yet chosen, to drill areas found to be
mineralized by the initial drilling of stage 1. All holes should be drilled vertically to an average depth of 120 feet.

Stage 2: Includes bulldozer cuts in the base of the sandstone bed that is mineralized in the Carvusite Mine. The area to be exposed by bulldozer is shown on fig. 3. This sandstone bed is in the upper part of the Salt Wash member of the Morrison Formation. The sandstone bed is underlain by red sandy clay, locally altered to green clay, and in places the base of the sandstone shows concentrations of carbonized plant material and hydrocarbons, limonite speckling, and very low grade uranium and vanadium mineralization. In general, the foregoing conditions are considered good criteria for the nearby presence of uranium and vanadium ore bodies in the Salt Wash member of the Morrison Formation.

If exploration in stage 2 exposes promising zones of uranium and vanadium mineralization, these zones should then be diamond drilled to determine their approximate extent and grade. The applicant proposed a total of 2,900 feet of diamond drilling in the North Drew and North Rin areas shown on fig. 3. The hole locations of stage 3, diamond drilling will depend entirely on the results of the bulldozer.

The U. S. Bureau of Mines cost estimate is $24,115.00.

SUMMARY AND CONCLUSIONS

The uranium and vanadium ore bodies of the Carvusite Mine are in the upper part of the Salt Wash member of the Morrison Formation of Jurassic age. The ore is in "rolls" and elongate lenses in two stratigraphic units composed of porous arkose sandstone. The ore minerals are carnitite and unidentified uranium and vanadium minerals or minerals associated with carbonized plant remains and hydrocarbons. The applicant has mined 2,625 tons that has averaged 0.40 percent U,08 and 1.70 percent V,05.
Ore reserves in the Cervenice Mine do not exceed 500 tons. This reserve is largely in pillars that have been left from previous mining. There is a good chance for the discovery of additional ore bodies southwest and southeast of the present mine workings. Assuming similar abundance, size, and grade of new ore bodies compared with those mined in the Cervenice Mine, 1,000 tons of ore averaging 0.40 percent Cu and 1.6 percent V_{2}O_{5} may be inferred. It is concluded that the chance of finding new ore bodies in the Cervenice Mine, and in areas southwest and southeast of the present mine workings is good.

The applicant's exploration proposal is geologically sound and it is recommended that the government enter into a contract with the applicant to do the proposed exploration as outlined in the geologic report. The government's share on the basis of 90:10 participation, would be $21,726.20.
BOOBERANG MINING COMPANY
CORVISITE MINE
GRAND COUNTY, UTAH
DWA-2446
Uranium- Vanadium

Engineering Report

By R. L. Middleton
Mining engineer
Bureau of Mines
# Boomerang Mining Company

## CORVUSITE MINE

GRAND COUNTY, UTAH

---

## CONTENTS

<table>
<thead>
<tr>
<th>Engineering report</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>2</td>
</tr>
<tr>
<td>Location and topography</td>
<td>2</td>
</tr>
<tr>
<td>History and production</td>
<td>3</td>
</tr>
<tr>
<td>Ownership and extent</td>
<td>3</td>
</tr>
<tr>
<td>Description of the deposits</td>
<td>5</td>
</tr>
<tr>
<td>Hvable ore reserves</td>
<td>5</td>
</tr>
<tr>
<td>Present status</td>
<td>6</td>
</tr>
<tr>
<td>Project proposals</td>
<td>9</td>
</tr>
<tr>
<td>Summary of project costs</td>
<td>9</td>
</tr>
<tr>
<td>Conclusions and recommendations</td>
<td>9</td>
</tr>
</tbody>
</table>

---

## ILLUSTRATIONS

<table>
<thead>
<tr>
<th>Fig. 1 Location map, Corvusite mine, Grand County, Utah</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 2 Claim map</td>
</tr>
<tr>
<td>Fig. 3 Plan of proposed exploration</td>
</tr>
</tbody>
</table>
INTRODUCTION

The Covusite mine of the Boomerang Mining Co. was examined during July 1952 for the purpose of evaluating a uranium-vanadium exploration proposal, as outlined in BLM docket 2446. The proposal requests Government assistance for diamond core drilling and bulldozer stripping; at an estimated cost of $23,200. The estimated cost of exploration, as outlined in this report, is $24,118.

LOCATION AND TOPOGRAPHY

The mining claims of the Boomerang Mining Co. are located in secs. 19 and 23, T. 25 S., R. 26 E., S.E.1/4 S.E.1/4, Beaver lease district, Grand County, Utah (fig. 1). The region lies 12 miles west of Gateway, Colorado, and 45 miles east of Moab, Utah, on the eastern slope of the La Sal Mountains near the Utah-Colorado boundary. The mine area is accessible by two road systems. One route extends eastward from a point where U. S. Highway 160 crosses the Colorado River at Moab, Utah. Because of winter weather conditions, the road is open only during the summer months. The second route extends west from Gateway, Colorado, 12 miles to the property, via Joan Brown Canyon. This canyon road is being improved and when grading and graveling are completed, a well-conditioned road will extend within 1 mile of the property.

The topography of the region is typical of the Colorado Plateau east of the La Sal Mountains. The drainage system formed by Beaver Creek has cut the relatively horizontal sedimentary formations of the region into flat-topped plateaus and steep-walled canyons. The proposed
exploration in area 1, south of the mine, will be done on a relatively flat plateau. The other proposed exploration areas are in steep, rugged regions.

The altitude of the area is 7,400 feet and the severity of winter weather conditions at this altitude, and 2- to 4-foot snowfalls, prevent surface exploration from November to February.

Water is available on the property.

HISTORY AND PRODUCTION

The lode mining claims of the Corvusite mine were first located in the early 1900's. Production has been intermittent and it is reported the property produced, prior to 1943, 2,230 tons of ores containing 2 percent \(V_2O_5\). From September 1943 to September 1951, the property produced 2,625 tons of ores containing 21,265 pounds of \(V_2O_5\) and 88,992 pounds of \(V_2O_3\). This production resulted from exploratory drilling by the Bureau of Mines in 1943 which established the limits of an ore body. The drilling program is described in U. S. Bureau of Mines Reports of Investigations 3930. Ores produced from this property are shipped, via truck, to the United States Vanadium Plant at Rifle, Colorado. The property is not eligible for bonus payments, for production in excess of 10,000 pounds of \(V_2O_5\) has been made since April 9, 1943.

OWNERSHIP AND EXTENT

The property, consisting of 15 unpatented, standard-dimensioned, lode mining claims, is owned by H. G. Anderson, P. E. and C. V. Woodard,
and F. E. Stone (fig. 2). The applicant firm, Boomerang Mining Co., composed of H. C. Anderson, F. E. and C. V. Woodward, is owner of an undivided one-half interest and lessee of an undivided one-half interest belonging to F. E. Stone. Seven copies of the Owner's Consent to Lien, form 4-203, signed by F. E. Stone, are included with the brochure.

The proposed exploration is confined to the following lode mining claims recorded in the Grand County recorder's office, Moab, Utah:

<table>
<thead>
<tr>
<th>Claim</th>
<th>Recording Date</th>
<th>Page</th>
<th>Book</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonanza No. 1</td>
<td>January 12, 1945</td>
<td>31</td>
<td>9-J</td>
</tr>
<tr>
<td>Bonanza No. 2</td>
<td>January 12, 1945</td>
<td>31</td>
<td>9-J</td>
</tr>
<tr>
<td>Grantah No. 1</td>
<td>February 5, 1945</td>
<td>35</td>
<td>9-J</td>
</tr>
<tr>
<td>Grantah No. 2</td>
<td>February 5, 1945</td>
<td>35</td>
<td>9-J</td>
</tr>
<tr>
<td>Grantah No. 3</td>
<td>June 8, 1945</td>
<td>254</td>
<td>9-J</td>
</tr>
<tr>
<td>Grandoo No. 1</td>
<td>February 5, 1945</td>
<td>34</td>
<td>9-J</td>
</tr>
<tr>
<td>Grandoo No. 2</td>
<td>February 5, 1945</td>
<td>34</td>
<td>9-J</td>
</tr>
<tr>
<td>Grandoo No. 3</td>
<td>February 5, 1945</td>
<td>34</td>
<td>9-J</td>
</tr>
</tbody>
</table>

An amended location was filed for Bonanza No. 1 November 28, 1951, on page 151, book 9-L.

All claims included in the proposed exploration are located on Public Domain. Federal oil and gas leases granted subsequent to the dates of recording of the claims, cover virtually all areas included in the proposed exploration. It appears the applicant could petition
the Bureau of Land Management to exclude the prior-located claims from the area included in the Federal leases.

DESCRIPTION OF THE DEPOSITS

Rocks in the Corvusite mine area include the Entrada and Morrison formations of the Jurassic age. These sediments, composed of mudstone, sandy clays, gray- and buff-colored sandstones, strike to the northwest and dip 4 to 6 degrees to the northeast. The radioactive uranium-vanadium ore deposits occur in roll structures and cross-bedded lenses in the upper portion of the Salt Wash member of the Morrison formation. Some of the rolls and lenses appear to trend to the northeast and others to the northwest. The structures are not confined to a single horizon, but occur at various elevations within the 30-foot sandstone bed. This discontinuity of structure on a single horizon makes exploration by adit infeasible. Generally, the ore horizon is bottomed by an altered, blue, clay bed. The sandstone lenses are water-bearing and several locations in the mine are wet. The uranium mineralization is in part a black-colored, pitch; carbonaceous mineral or minerals associated with the vanadyl vanadate mineral corvusite, which has the formula $\text{V}_2\text{O}_5 \cdot 6\text{V}_2\text{O}_5 \times \text{H}_2\text{O}$. The purplish, blue-black color and semi-metallic luster of Corvusite distinguishes it from the yellow-colored vanadium-uranium mineral carnitite which also occurs on the property.

MINABLE ORE RESERVES

The Corvusite mine is producing 50 to 75 tons of commercial uranium-vanadium ores per month and the operator estimates 500 tons of ores
remain in the present workings. The ores are presently being mined chiefly from pillars and stopa remnants. However, there is one face of ore now being developed, but not enough data are available to make an estimate of this body.

PRESENT STATUS

The Corvusite mine has been opened by five adits driven along the outcrop of the upper sandstone horizon of the Salt Wash member of the Morrison formation. The adits are not systematically located, but are driven on sporadic surface showings. A total of 4,100 feet of adits has been driven on the property. The mine is operated by a 7-man crew, employed on a contract basis.

The surface plant, camp facilities and mine are in good condition and no rehabilitation is required.

PROJECT PROPOSALS

The proposed exploration for uranium-vanadium on the Boomerang property is directed toward three target areas (fig. 3). The applicant's primary concern is an appraisal of the evidence resulting from project I. If a discovery is not made in area I, the applicant does not wish to proceed with projects II and III.

Project I

Proposed exploration on Bonanza Nos. 1 and 2 claims (area I) consists of bulldozing access roads and leveling drilling sites, drilling 23 core holes from surface locations, to an average depth of 120 feet
to explore for favorable structures in the Salt Flat area of the
Harriman formation. If favorable evidence is encountered by the initial
pattern of holes, it is proposed to drill 15 additional holes, to an
average depth of 120 feet, to delimit the boundaries of the deposit.
The holes drilled for locating favorable structure should be drilled
at intervals of approximately 100 feet and holes drilled to limit an
ore body or structure should be spaced at closer intervals, depending
upon conditions.

It is proposed that bulldozing, core drilling, preparation of core
boxes, sampling and assaying, be done on a contract basis and Government
participation, if any, be made on a basis of units of work completed.
It is believed that a bulldozer can only be obtained on an hourly or
daily basis.

Estimated Cost of Project I

36 core holes, average depth of 120 feet, ——— $12,540
at $4.75 per foot (A-X or B-X size core)

Bulldozing work prorated at $0.05 per foot ——— 305
of hole drilled

Assaying, sampling, engineering, core box ——— 1,140
preparation, prorated at $0.25 per foot

Total —————————————————— $14,245

Estimated project completion time is 4 months.

Project II

12 core holes, average depth of 140 feet ——— $4,620
at $3.75 per foot (A-X or B-X core)
Assaying, sampling, core box supplies, and engineering prorated at $0.21 per foot of hole drilled

Total $4,973

It is not necessary to do bulldozing in this area. Estimated time for project completion is one month.

Project III

Exploration on the Grandec claims Nos. 1, 2, and 3 consists of approximately 1,800 feet of rim stripping along the sandstone outcrop of the Salt Wash member of the Morrison formation (area III). The proposed stripping is to be done by bulldozer. Because of the small amount of soil mantle, some drilling and blasting will be required. The applicant states the company is prepared to furnish labor, supplies and equipment, which might be used in conjunction with the bulldozer at company expense.

Evidence encountered during the proposed stripping should be evaluated by the operator and the Government. The feasibility of core drilling, the ore occurrence, and the location of 8 drill holes should then be determined.

Estimated Cost of Project III

Bulldozer, 153 hours at $10 per hour, including $1,500 operator and fuel

8 core holes, average depth of 150 feet, at $2.75 — 3,300 per foot (A-I or L-I core)

Assaying, sampling, core box supplies and engineering prorated at $0.25 per foot of hole drilled

Total $5,100
Estimated completion time for project III is 6 weeks.

**SUMMARY OF PROJECT COSTS**

<table>
<thead>
<tr>
<th>Project</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project I</td>
<td>$14,045</td>
</tr>
<tr>
<td>Project II</td>
<td>4,973</td>
</tr>
<tr>
<td>Project III</td>
<td>5,109</td>
</tr>
<tr>
<td>Total</td>
<td>$24,123</td>
</tr>
</tbody>
</table>

Total estimated completion time for projects I, II and III is 6½ months.

**CONCLUSIONS AND RECOMMENDATIONS**

It is believed that discovery and delineation of irregular, tabular-shaped, uranium-vanadium ore bodies on the Boomerang Mining Co. property can best be attained by surface diamond drilling. The engineering aspects of the exploratory project, as outlined in this report, are feasible and conditions are considered favorable for the discovery of ores, equal in grade and quantity to those mined from the property. Because of the small production record and weak surface showings in the area of projects II and III, these projects are considered to be of a long-shot nature as compared to the possibilities of project I. The stipulation that exploration under projects II and III be initiated only if a discovery results from project I, seems to be realistic.

It is recommended that the Government enter into a uranium exploration contract with the Boomerang Mining Co. and contribute 90 percent of the $24,123 estimated project cost.
Memorandum

To: C. O. Mittendorf, Administrator, Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: DMEA Docket 2446, Contract Idm-E445, Boomerang Mining Co. (Uranium)

Enclosed are the original and two copies of the contract Idm-E445. Copies of this contract have been given to the Operator, the Fiscal Office of Region IV, and a copy has been retained for our files.

W. H. King

Enclosures
Assignment of Contract Numbers

REQUESTED 11-13-52 ROOMERANG MINING COMPANY, DMAA 2446, CONTRACT NUMBER IDA-E-445 ASSIGNED THIS CONTRACT. BEAR CREEK MINING COMPANY, DMAA 2550.

CONTRACT NUMBER IDA-E-446 ASSIGNED THIS CONTRACT.

Cc to: Adm. Reading File Mails & Files Br. Audits Division Miss Curtin
PLEASE ASSIGN NUMBERS FOR THE FOLLOWING CONTRACTS--

1/ DOCKET NUMBER DMEA 2446, BOOMERANG MINING COMPANY, A PARTNERSHIP CONSISTING OF HAROLD C. ANDERSON, FRANK E. WOODWARD AND CHARLES V. WOODWARD, P O BOX 112, GATEWAY, COLORADO, COMMODITY URANIUM, PROPERTY IN GRAND COUNTY, UTAH, CONTRACT DATED NOVEMBER 4, 1952, GOVERNMENT PARTICIPATION $21,705.84, TOTAL AMOUNT OF CONTRACT $24,117.60.

2/ DOCKET NUMBER DMEA 2550, BEAR CANYON MINING COMPANY, A LIMITED CO-PARTNERSHIP, COMPRISED OF DENNIS E. GREEN, JAMES B. GREEN, ROY O. YARBROUGH AND H. A. KING, DULY ORGANIZED AND EXISTING UNDER AND BY VIRTUE OF THE LAWS OF THE STATE OF ARIZONA, P O BOX 1730, GLOBE, ARIZONA, COMMODITY ASBESTOS PROPERTY LOCATED IN GILA COUNTY, ARIZONA, CONTRACT DATED NOVEMBER 13, 1952, GOVERNMENT PARTICIPATION $12,598.00, AMOUNT OF CONTRACT $26,220.00. PLEASE REPLY RETURN TELETYPE. DENNIS GREEN OF THE ARIZONA ASBESTOS PRODUCERS ASSOCIATION IS IN THIS OFFICE AND DESIRES TO TAKE CONTRACT WITH HIM TONIGHT.

W H KING

IN FOURTH LINE FROM BOTTOM FIGURE SHOULD BE "$23,598.00" INSTEAD OF "$12,598.00"
Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 210

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 21466, (Uranium) Boomerang Mining Co., Grand County, Utah

The application for Government assistance in exploration work estimated to cost $24,118, has been approved by us and a contract is being prepared.

Government participation will be 90 percent, or $21,706.20.

Four copies of the Final Report will be forwarded when the contract is signed.

The original and one copy of Form 3b are enclosed.

W. H. King

 enclosures

SEP 17, 1952
Olathe, Colorado
March 11, 1952

U. S. Department of the Interior
Defense Minerals Exploration Administration
Denver 2, Colorado

Gentlemen:

As owner of an undivided one-half interest in the mining claims hereinafter described, I have been informed that Frank E. Woodard, Charles V. Woodard and Harold C. Anderson, doing business as Boomerang Mining Company, as owners of the remaining undivided one-half interest and as holders of a lease from me for my interest, have made application to your administration for a loan under the appropriate laws, rules and regulations. I am writing you to give my consent to the United States of America or its appropriate agencies, taking a lien on my interest in said claims for the term of said loan if the same is approved.

The mining claims in question are located in Grand County, Utah, and are described as follows:

Bonanza Claim No. 1
Bonanza Claim No. 2
Urantah Claim No. 1
Urantah Claim No. 2
Urantah Claim No. 3
Grandco Claim No. 1
Grandco Claim No. 2
Grandco Claim No. 3

Yours very truly,

F. Roy Stone

F. Roy Stone
EBRYANT, PETRIE & WALDECK
ATTORNEYS AT LAW
BRYANT BUILDING
MONTROSE, COLORADO
March 11, 1952

U. S. Department of the Interior
Defense Minerals Exploration Administration
Denver 2, Colorado

Gentlemen:

We have been requested to write you relative to the status of the ownership of the following described unpatented lode mining claims located in Grand County, Utah, to-wit:

Bonsnes Claim No. 1
Bonsnes Claim No. 2
Crentah Claim No. 1
Crentah Claim No. 2
Crentah Claim No. 3
Granico Claim No. 1
Granico Claim No. 2
Granico Claim No. 3

We represented the owner in the purchase of these claims and had title taken in F. Roy Stone. Mr. Stone sold an undivided one-half interest in these claims to Frank E. Goodard, Charles V. Goodard and Harold C. Anderson, who are a partnership doing business as Goodard Mining Company. The deed for this one-half interest has been executed by F. Roy Stone and is being held in escrow by us and may be delivered at any time.

Very truly yours,

BRYANT, PETRIE & WALDECK

[Signature]

Charles A. Petrie

[Stamp]
REQUEST FOR INFORMATION
FROM OPERATOR ON CERTIFIED PROJECT
AND PROJECT UNDER ROYALTY AGREEMENT

From: Field Officer, OME, Region III

Date: March 23, 1961

The AEC production records for the entire year of 1960 have been checked and no production was shown from this property.

With the certification of the exploration project identified above, you were asked to inform our office about changes in the status of the property and production from it.

To assist you to furnish this information and to assure the accuracy of our records, we ask that you answer the questions below and return one copy to this office with copies of any pertinent documents.

1. Since ____________, has there been a change in ownership, lease, or sublease about which the OME has not been notified? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents.
   Yes ☐ No ☐

2. Since ____________, has there been any production from the property?* Yes ☐ No ☐
   A. If so and it was shipped, give name and address of purchaser?

   ________________________ ______________________
   ________________________ ______________________
   ________________________ ______________________

   B. If stockpiled awaiting sale, state quantity, grade, and location.

   Type: Quantity: Estimated Grade: Location:
   Ore: _______________ Tons: _______________ ______________________
   Concentrates: _______________ Tons: _______________ ______________________
   Other: _______________ Tons: _______________ ______________________

Submitted by:

Name: ________________________ Title: ________________________
Address: ________________________ Date: ________________________

MME Form 63 8-60 * Property means land subject to the contract.
**ORE ESTIMATES**

<table>
<thead>
<tr>
<th></th>
<th>Tons</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMEA</td>
<td>2,100</td>
<td>N_08 0.39%  V_05 1.43%</td>
</tr>
<tr>
<td>Operator to date</td>
<td>1,725</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3,825</td>
<td></td>
</tr>
<tr>
<td>Production to date</td>
<td>3,825</td>
<td></td>
</tr>
<tr>
<td>Ore in ground</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INVESTMENT**

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winzes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drifts and Crosscuts</td>
<td>7'x10'</td>
<td>1,500</td>
<td>$18,000</td>
</tr>
<tr>
<td>Raises</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling</td>
<td>Type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rehabilitation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FACILITIES**

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mine Plant</td>
</tr>
<tr>
<td>Mill</td>
</tr>
<tr>
<td>Roads</td>
</tr>
</tbody>
</table>

**REMARKS**

Prepared by Michael Ching Date 3-25-59
Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1958 through December 31, 1958

DMEA Docket 2446 (Uranium-vanadium)
Contract Idm-E445 (Corvusite Mine)
Boomerang Mining Company
Grand County, Utah

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

Enclosures

cc: Semiannual Report File Idm-E445
    Harshman
    Robertson
    Chron.
Semiannual Report of Certified Projects

Reporting Period July 1, 1958 - December 31, 1958

Docket and Contract Number DMEA 2446, Contract Idm-E445

Operator Boomerang Mining Company

Commodity Uranium-vanadium

Mine Name Corvusite Mine

County and State Grand County, Utah

Date of Contract November 4, 1952

Date of Certification November 2, 1953

Expiration Date of Royalty Payments November 4, 1962

Date of Examination for this Report February 17, 1959

Total Amount of Contract $24,117.60

Total Expenditures under Contract $23,820.08

Amount of Government Participation at 90 % $21,438.07

Royalty Payments this Period $931.85

Previous Royalty Payments $7,037.76

Total Royalty Payments to Date $7,969.61

% Loan Repayment Completed 37.18%

Amount of Royalty Due None

Royalty Remarks

The Operator does not stockpile production subject to OME royalty.
Original Estimate of DMEA
Reserves (Field Team Final Report)  
Mines [ ] Survey [X] Joint [X]  

Revised Estimate of DMEA
Reserves (Field Team)  
Mines [ ] Survey [X] Joint [ ]

Increase of Reserves by work performed subsequent to DMEA project work

Production DMEA (conc) (This period)  
386.440  0.27%  1.31%

Production DMEA (ore) (Previous)  
3,438.179  0.32%  1.56%

Production DMEA (conc) (To Date)  
3,824.619  0.32%  1.53%

Production DMEA (ore) (To Date)  

Percent Revised Reserves Mined 100%

Initial Production Bonus:  
(For Uranium Ores Only)

Status Operator: Ineligible [X] Not Applied [ ] Applied [ ]
Rec'ing pmt [ ] Pd up [ ]

Pounds U₃O₈ produced this period eligible for Bonus

Amount of Bonus paid to Operator this period

Total pounds U₃O₈ produced to date eligible for Bonus

Total amount of Bonus paid to Operator to date

Bonus Royalty Paid
Bonus Royalty Due

Investment Data

<table>
<thead>
<tr>
<th>Size</th>
<th>Shafts</th>
<th>Cost</th>
<th>Size</th>
<th>Winzes</th>
<th>Cost</th>
<th>Drifts &amp; Crosscuts</th>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Feet</td>
<td></td>
<td></td>
<td>Feet</td>
<td></td>
<td>7x10' 1,500</td>
<td></td>
<td></td>
<td>$18,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Raises</th>
<th>Cost</th>
<th>Rehabilitation</th>
<th>Description</th>
<th>Cost</th>
<th>Type</th>
<th>Drilling &amp; Size</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Mine Plant</th>
<th>Description</th>
<th>Cost</th>
<th>Mill</th>
<th>Description</th>
<th>Cost</th>
<th>Roads</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
</table>

Remarks

Reported production checks with AEC records.

Signed [Signature] (Engineer)

Page 2 of 2
ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)
From: Division of Rare and Miscellaneous Metals

<table>
<thead>
<tr>
<th>DMEA No.</th>
<th>Operator</th>
<th>Contract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2446</td>
<td>Boomerang Mining Company</td>
<td>Idm-E445</td>
</tr>
</tbody>
</table>

ORE ESTIMATES

<table>
<thead>
<tr>
<th></th>
<th>Tons</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMEA</td>
<td>2,100</td>
<td>0.39</td>
</tr>
<tr>
<td>Operator to date</td>
<td>1,338</td>
<td>1.43</td>
</tr>
<tr>
<td>Total</td>
<td>3,438</td>
<td></td>
</tr>
<tr>
<td>Production to date</td>
<td>3,438</td>
<td></td>
</tr>
<tr>
<td>Ore in ground</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

INVESTMENT

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winzes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drifts and Crosscuts</td>
<td>7' x 10'</td>
<td>1,500</td>
<td>$18,000</td>
</tr>
<tr>
<td>Raises</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling Type</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rehabilitation Description</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FACILITIES

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mine Plant</td>
<td></td>
</tr>
<tr>
<td>Mill</td>
<td></td>
</tr>
<tr>
<td>Roads</td>
<td></td>
</tr>
</tbody>
</table>

REMARKS

Prepared by Michael Ching Date 11-17-58
Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1958 through June 30, 1958

DMEA Docket 2446, (Uranium-vanadium), Contract Idm-E445, Boomerang Mining Company, (Corvusite Mine), Grand County, Utah

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

Enclosures

J. W. Townsend
Semiannual Report of Certified Projects

Reporting Period: January 1, 1958 - June 30, 1958

Docket and Contract Number: DMEA 2446, Contract Idm-E445

Operator: Boomerang Mining Company

Commodity: Uranium-vanadium

Mine Name: Corvusite Mine

County and State: Grand County, Utah

Date of Contract: November 4, 1952

Date of Certification: November 2, 1953

Expiration Date of Royalty Payments: November 4, 1962

Date of Examination for this Report: August 12, 1958

Total Amount of Contract: $24,117.60

Total Expenditures under Contract: $25,820.08

Amount of Government Participation at 90%: $21,438.07

Royalty Payments this Period: $1,127.33

Previous Royalty Payments: $6,218.47

Total Royalty Payments to Date: $7,345.80

% Loan Repayment Completed: 34.26%

Amount of Royalty Due: None

Royalty Remarks:

The operator does not stockpile production subject to DMEA royalty.
Original Estimate of DMEA Reserves (Field Team Final Report) Mines Survey Joint
Revised Estimate of DMEA Reserves (Field Team) Mines Survey Joint

Increase of Reserves by work performed subsequent to DMEA project work

Production DMEA (conc) ore (This period) 666.786 0.29% 1.34%
(Previous) 2,771.583 0.35% 1.61%
" Operator's (conc) ore (This period) 3,438.179 0.32% 1.56%
(Previous) (To Date) (To Date)

Percent Revised Reserves Mined

Initial Production Bonus:
Status Operator: Ineligible [X] Not Applied [ ] Applied [ ] Rec'ing pmt [ ] Paid up [ ]
Pounds U308 produced this period eligible for Bonus
Amount of Bonus paid to Operator this period
Total pounds U308 produced to date eligible for Bonus
Total amount of Bonus paid to Operator to date
Bonus Royalty Paid
Bonus Royalty Due

Investment Data

<table>
<thead>
<tr>
<th>Size</th>
<th>Shafts</th>
<th>Cost</th>
<th>Size</th>
<th>Winzes</th>
<th>Cost</th>
<th>Drifts &amp; Crosscuts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Feet</td>
<td></td>
<td></td>
<td>Feet</td>
<td></td>
<td>Size Feet Cost</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7'x10' 1,500 $18,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Raises</th>
<th>Cost</th>
<th>Rehabilitation</th>
<th>Type Drilling</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Feet</td>
<td></td>
<td>Description</td>
<td>&amp; Size Feet Cost</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mine Plant</td>
</tr>
<tr>
<td></td>
<td>Mill</td>
</tr>
<tr>
<td></td>
<td>Roads</td>
</tr>
</tbody>
</table>

Remarks

Production checks with AEC: records.

Signed W. J. Robertson (Engineer)

Page 2 of 2
To: Statistics Branch (Code 210)  

From: Division of Rare and Miscellaneous Metals  

DMEA No. 2446  
Operator Boomerang Mining Company (Croff Oil)  

DMEA No. 2446  
Operator Boomerang Mining Company (Croff Oil)  

ORE ESTIMATES

<table>
<thead>
<tr>
<th>Tons</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,100</td>
<td>0.39 1.43</td>
</tr>
</tbody>
</table>

Operator to date

<table>
<thead>
<tr>
<th>Tons</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>691</td>
<td></td>
</tr>
</tbody>
</table>

Total

<table>
<thead>
<tr>
<th>Tons</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,221</td>
<td></td>
</tr>
</tbody>
</table>

Production to date

<table>
<thead>
<tr>
<th>Tons</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,221</td>
<td></td>
</tr>
</tbody>
</table>

Ore in ground

<table>
<thead>
<tr>
<th>Tons</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

INVESTMENT

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winzes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drifts and Crosscuts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raises</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling</td>
<td>Type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rehabilitation</td>
<td>Description</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FACILITIES

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mine Plant</td>
<td></td>
</tr>
<tr>
<td>Mill</td>
<td></td>
</tr>
<tr>
<td>Roads</td>
<td></td>
</tr>
</tbody>
</table>

REMARKS

Prepared by Michael Ching Date 4-8-58
UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

March 27, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period
July 1 - December 31, 1957

DMEA Docket 2446
Contract Idm-E 445
Boomerang Mining Company (Croff Oil Company)
Grand County, Utah (Corvusite Mine)

Enclosed are the original and three copies of the subject
report prepared in conformance with instructions contained in memo-
randum of January 6, 1956 from this office, Memorandum 29, and
Special Notice in Minutes of Operating Committee Meeting No. 692.

E. W. Hornbeck
Acting Executive Officer, DMEA
Field Team, Region III

Enclosures

cc: Semiannual Report File E-445
DMEA/SLC
Harshman
Chron.
Semi-Annual Report of Certified Projects

Reporting Period: July 1, 1957 through December 31, 1957

Docket and Contract Number: DMEA-2446 Contract No. Idm-B445

Operator: Boomerang Mining Co., Grand County, Utah
Commodity: Uranium
Mine Name: Corvusite Mine
County and State: Grand County, Utah

Date of Contract: November 1, 1952
Date of Certification: November 2, 1953
Expiration Date of Royalty Payments: November 4, 1962
Date of Examination for this Report: February 13, 1958

Total Amount of Contract: $24,117.60
Total Expenditures under Contract: $23,820.08
Amount of Government Participation at 90%: $21,438.07

Royalty Payments this Period: $457.41
Previous Royalty Payments: $5,761.06
Total Royalty Payments to Date: $6,218.47
% Loan Repayment Completed: 29.01%

Amount of Royalty Due: None
Royalty Remarks: None
Original Estimate of DMEA Reserves (Field Team Final Report)

Mines □  Survey □  Joint □

Revised Estimate of DMEA Reserves (Field Team)

Mines □  Survey □  Joint □

Increase of Reserves by work performed subsequent to DMEA project work

Production DMEA ore (This period) 200.717 0.35 1.81 (Previous) 2570.676 0.33 1.59 " Operator's ore (This period) 2771.393 0.33 1.61 (Previous) (To Date)

Percent Revised Reserves Mined 131.9%

Initial Production Bonus:

Status Operator: Ineligible □  Not Applied □  Applied □

Pounds U3O8 produced this period eligible for Bonus

Amount of Bonus paid to Operator this period

Total pounds U3O8 produced to date eligible for Bonus

Total amount of Bonus paid to Operator to date

Bonus Royalty Paid $_______

Bonus Royalty Due $_______

Investment Data

<table>
<thead>
<tr>
<th>Size</th>
<th>Shafts</th>
<th>Cost</th>
<th>Size</th>
<th>Winzes</th>
<th>Cost</th>
<th>Size</th>
<th>Drifts &amp; Crosscuts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feet</td>
<td></td>
<td></td>
<td>Feet</td>
<td></td>
<td></td>
<td>Feet</td>
<td>Feet</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cost</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Raises</th>
<th>Cost</th>
<th></th>
<th>Rehabilitation</th>
<th>Description</th>
<th>Cost</th>
<th>Type</th>
<th>Drilling</th>
<th>&amp; Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feet</td>
<td></td>
<td></td>
<td></td>
<td>Description</td>
<td>Cost</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Facilities

<table>
<thead>
<tr>
<th>Mine Plant</th>
<th>Description</th>
<th>Cost</th>
<th>Mill</th>
<th>Description</th>
<th>Cost</th>
<th>Roads</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
</table>

Remarks

Inaccessible to inspect on account of heavy snow, but the mine is presently operating.

Signed [Signature] (Engineer)
Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1957 through June 30, 1957

DMEA Docket 2446 (Uranium)

Contract Idm-E 445, Boomerang Mining Company (Corvusite Mine)

Grand County, Utah

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

[Signature]

Alternate Acting Executive Officer
DMEA Field Team, Region III

Enclosures

MHH/vj

cc: Semiannual Report File E 445
    DMEA/SLC
    Harshman (2)
    Chron.
Semiannual Report of Certified Projects

Reporting Period: January 1, 1957 - June 30, 1957

Docket and Contract Number: DMEA-2446, Idm-B445

Operator: Boomerang Mining Co., Grand County, Utah (Croff Oil Company, Salt Lake City, Utah)

Commodity: Uranium

Mine Name: Corvisite Mine

County and State: Grand County, Utah

Date of Contract: November 4, 1952

Date of Certification: November 2, 1953

Expiration Date of Royalty Payments: November 4, 1962

Date of Examination for this Report: August 9, 1957

Total Amount of Contract: $21,117.60

Total Expenditures under Contract: $23,820.08

Amount of Government Participation at 90%: $21,438.07

Royalty Payments this Period: $256.03

Previous Royalty Payments: $5,505.03

Total Royalty Payments to Date: $5,761.06

% Loan Repayment Completed: 26.87%

Amount of Royalty Due: None

Royalty Remarks: None
Original Estimate of DMEA Reserve (Field Team Final Report)
Mines [x] Survey [ ] Joint [ ]
Revised Estimate of DMEA Reserves (Field Team)
Mines [x] Survey [ ] Joint [ ]

Increase of Reserves by work performed subsequent to DMEA project work

Production DMEA ore (This period) (Previous) (To Date)
Operator's ore (This period) found subsequent (Previous) to DMEA work (To date)

Percent Revised Reserves Mines 122.41%

(For Uranium Ores Only)

Initial Production Bonus:
Status of Operator: Ineligible [x] Applied for [ ] Rec'ing pmt [ ] Paid up [ ]

Pounds U₃O₈ produced this period eligible for Bonus
Amount of Bonus paid to Operator this period
Total pounds U₃O₈ produced to date eligible for Bonus
Total amount of Bonus paid to Operator to date
Bonus Royalty Paid
Bonus Royalty Due

Investment Data

<table>
<thead>
<tr>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
<td>Winzes</td>
<td></td>
<td></td>
<td>Drifts &amp; Crosscuts</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raises</td>
<td></td>
<td></td>
<td>Drilling</td>
<td></td>
<td>Rehabilitation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Type &amp;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Size</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Feet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cost</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facilities</td>
<td></td>
<td></td>
<td>Mill</td>
<td></td>
<td>Roads</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Description</td>
<td></td>
<td>Description</td>
<td>Cost</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cost</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks
The mine is operating and ore shipments were made during the period; at the time of examination ore reserves were exhausted.

Signed [Signature] (Engineer)

P. V. Fillo Page 2 of 2
**Ore Reserves**

<table>
<thead>
<tr>
<th>Ore Estimates</th>
<th>Tons</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Original (DMEA)</td>
<td>2,100</td>
<td>0.39% U3O8, 1.43% V2O5</td>
</tr>
<tr>
<td>Increase (Operator)</td>
<td>388</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,488</strong></td>
<td></td>
</tr>
<tr>
<td>Decrease (Production)</td>
<td><strong>2,488</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Net Available</strong></td>
<td><strong>0</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Investment**

None

**Shafts**

<table>
<thead>
<tr>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
</table>

**Winzes**

<table>
<thead>
<tr>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
</table>

**Drifts & Crosscuts**

<table>
<thead>
<tr>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
</table>

**Raises**

<table>
<thead>
<tr>
<th>Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
</table>

**Drilling**

<table>
<thead>
<tr>
<th>Type &amp; Size</th>
<th>Feet</th>
<th>Cost</th>
</tr>
</thead>
</table>

**Rehabilitation**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
</table>

**Facilities**

<table>
<thead>
<tr>
<th>Mine Plant Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mill Description</td>
<td>Cost</td>
</tr>
<tr>
<td>Roads Description</td>
<td>Cost</td>
</tr>
</tbody>
</table>

**Remarks**

Mine presently operating and shipments being made. Indications are that Crown Mining Co. is currently the lessee.

Michael Ching
Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1956 through December 31, 1956.

DMEA Docket 2446 (Uranium)
Contract Idm-E445, Boomerang Mining Company (Corvusite Mine), Grand County, Utah

Enclosed are the original and three copies of the subject report and transmittal memorandum from Stephen R. Wilson, Supervising Mining Engineer, USBM.

Mr. Wilson reports that shipments may have been made during the last part of 1956 and not reported. This would fall within the period of non-report of production brought to the Chairman's attention by our memorandum dated June 7, 1956. By this memorandum, we suggested that a letter to Boomerang under the Administrator's signature requesting an explanation for the interruption in report of production would seem in order.

In view of Mr. Wilson's report we believe a letter to Boomerang from the Administrator is now desirable.

Enclosure
Reference:
1. 
2. 
3. 
4. 
5. Docket Control Mails and Files
6. Docket Control Mails and Files

Note comments in report regarding:

1. Tonnage up.
2. Action recommended in royalty
3. 

and take appropriate action.

Action taken by Division:
C.A. & A. D. requested Auditors at Denver to schedule a royalty audit. See letter 6/21/57. 

Robert E. Adams
Memorandum

To: S. H. Marshman, Acting Executive Officer, DMEA Field Team, Region III
From: Supervising Mining Engineer
Subject: Docket No. DMEA-2446 (Uranium), Contract IDM-2445, Boomerang Mining Co. (Cerussite Mine), Grand County, Utah

Attached are the original and eight copies of "Semianual Report of Certified Project" pertaining to the property of Boomerang Mining Co. for the period July 1, 1956, to December 31, 1956. The property was examined by P. V. Fillo May 16, 1957.

No recent shipments have been reported by the property owner. However, the mine is in operation, and it is believed that shipments may have been made during the latter part of 1956 and have not been reported. An agreement between Croff Oil Co., owner of the property, and Crown Mining Co. indicates that the latter company is currently the lessee.

Stephen R. Wilson

Enclosure

c: J. S. Clewser
Semiannual Report of Certified Projects

Reporting Period
July 1, 1956, to December 31, 1956

Docket and Contract Number
DMEA-2446, Idm-E445

Operator
Boomerang Mining Co., Grand Junction, Colo.
(Croff Oil Co., Crandall Bldg.,
Salt Lake City, Utah)

Commodity
Uranium

Mine Name
Corvusite Mine

County and State
Grand County, Utah

Date of Contract
November 4, 1952

Date of Certification
November 2, 1953

Expiration Date of Royalty Payments
November 4, 1962

Date of Examination for this Report
May 16, 1957

With P. G. McBroom, foreman

Total Amount of Contract
$24,117.60

Total Expenditures under Contract
$23,820.8

Amount of Government Participation at 90% $21,438.07

Royalty Payments this Period
$ 575.93

Previous Royalty Payments
$4,929.10

Total Royalty Payments to Date
$5,505.03

% Loan Repayment Completed
25.68%

Amount of Royalty Due

Royalty Remarks
Original Estimate of DMEA Reserves (Field Team Final Report)
- Mines: X Survey: Joint

Revised Estimate of DMEA Reserves (Field Team)
- Mines: X Survey: Joint

Increase of Reserves by work performed subsequent to DMEA project work

Production DMEA ore (This period)
- (Previous)
- (To date)

Operator's ore (This period)
- found subsequent (Previous)
to DMEA work (To date)

Percent Revised Reserves Mines 118.5%

Initial Production Bonus:
- Status of Operator: Ineligible X Applied for Rec'ing pmnt Paid up
- Pounds U₃O₈ produced this period eligible for Bonus
- Amount of Bonus paid to Operator this period
- Total pounds U₃O₈ produced to date eligible for Bonus
- Total amount of Bonus paid to Operator to date
- Bonus Royalty Paid
- Bonus Royalty Due

Investment Data

<table>
<thead>
<tr>
<th>Size</th>
<th>Shafts</th>
<th>Cost</th>
<th>Size</th>
<th>Winzes</th>
<th>Cost</th>
<th>Size</th>
<th>Drifts &amp; Crosscuts</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Feet</td>
<td></td>
<td></td>
<td>Feet</td>
<td></td>
<td></td>
<td>Size</td>
<td>Feet</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Raises</th>
<th>Cost</th>
<th>Type &amp;</th>
<th>Size</th>
<th>Drilling</th>
<th>Cost</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Size</td>
<td>Feet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Mine Plant</th>
<th>Cost</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Mill</th>
<th>Cost</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Roads</th>
<th>Cost</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks

The mine is presently operating and ore shipments are being made. An agreement between Croff Oil Co. and Crown Mining Co. indicates that the latter company is currently the lessee.

Signed (Engineer)
DEFENSE MINERALS EXPLORATION ADMINISTRATION

<table>
<thead>
<tr>
<th>Rare and Misc. Metals</th>
<th>Division</th>
<th>Date</th>
<th>September 13, 1956</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semi-Annual Report - Certified Project</td>
<td></td>
<td>Date</td>
<td>Jan 1, 1956 thru June 30, 1956</td>
</tr>
<tr>
<td>DMEA No. 2446</td>
<td>Operator Croff Oil Company</td>
<td>Contract No. I dm-e 445</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Corvusite Mine)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ore Reserves</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ore Estimates</td>
<td>Tons</td>
<td>Analysis</td>
<td>0.39% U₃O₈, 1.43% V₂O₅</td>
</tr>
<tr>
<td>Original (DMEA)</td>
<td>2,100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase (Operator)</td>
<td>308</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>2,408</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decrease (Production)</td>
<td>2,408</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net Available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investment</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>Feet</td>
<td>Cost</td>
<td></td>
</tr>
<tr>
<td>Winzes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>Feet</td>
<td>Cost</td>
<td></td>
</tr>
<tr>
<td>Drifts &amp; Crosscuts</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>Feet</td>
<td>Cost</td>
<td></td>
</tr>
<tr>
<td>Raises</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type &amp; Size</td>
<td>Feet</td>
<td>Cost</td>
<td></td>
</tr>
<tr>
<td>Rehabilitation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Cost</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facilities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mine Plant</td>
<td>Description</td>
<td>Cost</td>
<td></td>
</tr>
<tr>
<td>Mill</td>
<td>Description</td>
<td>Cost</td>
<td></td>
</tr>
<tr>
<td>Roads</td>
<td>Description</td>
<td>Cost</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work under progress with two men. Most work directed toward extending thin seams of mineralization beyond stope edges.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Michael Ching
Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1956 through June 30, 1956

DMEA Docket 2446 (Uranium)
Contract Idm-E 445, Croff Oil Company (Corvusite Mine)
Grand County, Utah

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office and Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosures

cc: Semiannual Report File E 445
    S. R. Wilson
    E. N. Harshman
    J. W. Hasler
    Chron.
Memorandum

To: W. M. Traver, Executive Officer, MMEA Field Team, Region III

From: Stephen R. Wilson

Subject: Docket No. MMEA 5445 (Uranium), Contract IDA-5445, Cuff Oil Co. (Covansite Mine), Grand County, Utah

Attached are the original and eight copies of Semiannual Report of Certified Project pertaining to the Covansite mine for the period January 1, 1956, to June 30, 1956. The property was examined by W. E. Young August 20, 1956.

During the period a total of $917.43 royalty was paid to the Government. At the time of examination two men were employed on the property. Most of the present work underground involves exploration for additional ore beyond stopes walls. A total of 3,408.108 dry tons of ore subject to MMEA royalty has been mined from the property.

[Signature]
Stephen R. Wilson

Enclosure

cc: J. E. Cleaver
| Reporting Period | January 1, 1956 - June 30, 1956 |
| Docket and Contract Number | DMEA-2446, Contract Idm-E445 |
| Operator | Croff Oil Co., Crandall Bldg., Salt Lake City, Utah |
| Commodity | Uranium |
| Mine Name | Corvusite Mine |
| County and State | Grand County, Utah |
| Date of Contract | November 4, 1952 |
| Date of Certification | November 2, 1953 |
| Expiration Date of Royalty Payments | November 4, 1962 |
| Date of Examination for this Report | August 28, 1956 |
| Total Amount of Contract | $24,117.60 |
| Total Expenditures under Contract | $23,820.08 |
| Amount of Government Participation at 90% | $21,438.07 |
| Royalty Payments this Period | $917.43 |
| Previous Royalty Payments | $4,011.67 |
| Total Royalty Payments to Date | $4,929.10 |
| % Loan Repayment Completed | 22.99% |
| Amount of Royalty Due | None |
| Royalty Remarks | None |
Original Estimate of Reserves (from Final Engr.-Geol. Report):

2,100 tons, ave. grade 0.39% U₃O₈; 1.45% V₂O₅

Increase of Reserves by work performed subsequent to expiration or termination of contract:

None

Revised Estimate of Reserves:

Same

Production this Period (Ore or Concentrates) 508.475 dry tons
Amount of Previous Production (since date of contract) 1,899.63 dry tons
Total DMEA Production to date 2,408.105 dry tons
% of Revised Reserves Mined 114.7%

Production Remarks:

Note: On Uranium projects check with AEC to assure that our records are in agreement with theirs.

Work is under progress with two men. Most of the work has been done on extending thin seams of mineralization beyond stope edges.

Other Remarks:

Signed [Signature] (Engineer)
Rare & Misc. Metals Division

Semi-Annual Report - Certified Project

DNEA No. 2446 Operator Boomerang Mining Co.

Date: June 11, 1956

Date: July 1-December 31, 1955

Contract No. Idm-E 445

Ore Reserves

<table>
<thead>
<tr>
<th>Ore Estimates</th>
<th>Tons</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Original (DMEA)</td>
<td>2,100</td>
<td>0.39% U₃O₈, 1.43% V₂O₅</td>
</tr>
<tr>
<td>Increase (Operator)</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>2,100</td>
<td></td>
</tr>
<tr>
<td>Decrease (Production)</td>
<td>1,900</td>
<td></td>
</tr>
<tr>
<td>Net Available</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

Investment Not reported

<table>
<thead>
<tr>
<th>Shafts</th>
<th>Winzes</th>
<th>Drifts &amp; Crosscuts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Feet</td>
<td>Cost</td>
</tr>
<tr>
<td>Size</td>
<td>Feet</td>
<td>Cost</td>
</tr>
<tr>
<td>Size</td>
<td>Feet</td>
<td>Cost</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Raises</th>
<th>Drilling</th>
<th>Rehabilitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Feet</td>
<td>Cost</td>
</tr>
<tr>
<td>Size</td>
<td>Feet</td>
<td>Cost</td>
</tr>
</tbody>
</table>

Facilities

<table>
<thead>
<tr>
<th>Mine Plant</th>
<th>Mill</th>
<th>Roads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Cost</td>
<td>Description</td>
</tr>
<tr>
<td>Description</td>
<td>Cost</td>
<td>Description</td>
</tr>
</tbody>
</table>

Remarks

Considerable exploratory work was done in a winze recently, but no ore was encountered. Reserves have been exhausted and the present operator plans additional exploration.
Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period
July 1, 1955 through December 31, 1955.
DMEA Docket 2446 (Uranium)
Contract Idm-E 445, Boomerang Mining Company,
Corvusite Mine, Grand County, Utah.

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office. and Memorandum 29.

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosures
RDB/vj
cc: Semiannual Report File E 445
S. R. Wilson
E. N. Harshman
J. W. Hasler
Chron.
Memorandum

To:        W. M. Traver, Executive Officer, DMEA Field Team, Region III

From:     Stephen R. Wilson

Subject: Docket No. DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Attached are the original and eight copies of a Semiannual Report of Certified Project covering the subject contract for the period July 1, 1955 to December 31, 1955.

Stephen R. Wilson

Enclosure

cc: J. B. Clemmer
## SEMIANNUAL REPORT OF CERTIFIED PROJECT

**Reporting Period**
July 1, 1955 to December 31, 1955

**Docket and Contract Number**
DMEA-2446, Contract Idm-E445

**Operator**
Croff Oil Company
Crandall Building
Salt Lake City, Utah

**Commodity**
Uranium

**Mine**
Corvusite mine

**County and State**
Grand County, Utah

**Date of Contract**
November 4, 1952

**Date of Certification**
November 2, 1953

**Expiration Date of Royalty Payments**
November 4, 1962

**Date of Examination for this Report**
January 11, 1956

**Total Amount of Contract**
$24,117.60

**Total Expenditures under Contract**
$23,820.08

**Amount of Government Participation at 90%**
$21,438.07

**Royalty Payments this Period**
$692.28

**Previous Royalty Payments**
$3,319.39

**TotalRoyalty Payments to Date**
$4,011.67

**% Loan Repayment Completed**
19%

**Amount of Royalty Due**
$370.85

**Royalty Remarks**
Royalty on shipments R937, R975 and R985 not paid - $370.85
Original Estimate of Reserves: 2,100 tons, average grade 0.39% U₃O₈; 1.45% V₂O₅

Increase of Reserves by work performed subsequent to expiration or termination of contract: None

Revised Estimate of Reserves: Same

Production this Period 245.61 dry tons
Amount of Previous Production 1,654.02 dry tons
Total DMEA Production to Date 1,899.63 dry tons
% of Revised Reserves Mined 90%

Production Remarks

Work is under progress with three men and a foreman. Considerable exploratory work was done in a winze recently, but no ore was encountered. Reserves have been exhausted and the present operating company plans additional exploration.

W. E. Young

W. E. Young
Memorandum

To: Secretary to the Operating Committee
From: Executive Officer, DMEA Field Team, Region IV
Subject: Docket No. DMEA-2446 (Uranium), Contract I'dm-E445, Boomerang Mining Co., Grand County, Utah

Enclosed are the original and three copies of a semi-annual report relative to operations at the site of the subject project subsequent to the issuance of a Certification of Discovery or Development by the Defense Minerals Exploration Administration.

W. H. King

Enclosures
Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA-2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Attached are eight copies of Semiannual Report of Certified Project covering the period January 1, 1954 to June 30, 1954. The report was prepared by M. M. Gilkay.

Stephen R. Wilson

Enclosure
### SEMIANNUAL REPORT OF CERTIFIED PROJECT

**January 1, 1954 to June 30, 1954**

<table>
<thead>
<tr>
<th>Docket:</th>
<th>DMEA-2446, Contract Idm-E445</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commodity:</td>
<td>Uranium</td>
</tr>
<tr>
<td>Contractor:</td>
<td>Boomerang Mining Co.,</td>
</tr>
<tr>
<td></td>
<td>P. O. Box 112, Gateway, Colo.</td>
</tr>
<tr>
<td>County and State:</td>
<td>Grand County, Utah</td>
</tr>
<tr>
<td>Date of Certification:</td>
<td>November 2, 1953</td>
</tr>
<tr>
<td>Date of examination for this report:</td>
<td>July 13, 1954</td>
</tr>
<tr>
<td>Total contract amount:</td>
<td>$24,117.60</td>
</tr>
<tr>
<td>Total expended:</td>
<td>$23,820.08</td>
</tr>
<tr>
<td>Government participation:</td>
<td>$21,438.07 (90 percent)</td>
</tr>
<tr>
<td>Expiration date of royalty payments:</td>
<td>November 4, 1962</td>
</tr>
<tr>
<td>Production this period:</td>
<td>254.41 dry tons</td>
</tr>
<tr>
<td>Royalties this period:</td>
<td>$410.66</td>
</tr>
<tr>
<td>Royalties to date:</td>
<td>$2,260.62</td>
</tr>
</tbody>
</table>

Production this period, totaling 254.41 dry tons, for which settlement sheets are on file in this office, came partly from the old workings and partly from the area drilled under the DMEA contract. The accompanying map, submitted by the operator, shows the two areas from which ore was taken after mining was resumed in March of this year. Drifts designated as 605 drift and 626 drift are in the DMEA section. The operator's approximate figure for total production for the period is 358 tons. This does not agree with the figure tabulated above, 254.41 tons, as settlement sheets on file in this office do not include records of all the shipments made.

The operator has expressed the intention of sinking an inclined winze to develop an ore body penetrated by diamond drill holes No. 619 and No. 629.

The operation is presently being carried on by a lessee, the Columbus-Rexall Consolidated Mines Co.
### Production March 15 to June 30, 1954

<table>
<thead>
<tr>
<th>Area</th>
<th>Tons</th>
<th>Grade</th>
<th>Approx Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>833 Area</td>
<td>90</td>
<td>0.19</td>
<td>0.86</td>
</tr>
<tr>
<td>836 Area</td>
<td>43</td>
<td>0.20</td>
<td>1.20</td>
</tr>
<tr>
<td>605 Drift</td>
<td>200</td>
<td>0.30</td>
<td>1.20</td>
</tr>
<tr>
<td>626 Drift</td>
<td>5</td>
<td>0.29</td>
<td>1.50</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>358</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note**
- Production March 15 to June 30, 1954
- Grade: Approximate
- Scale: 1" = 50'
- Date: 7-15-54

**Mine:** Corvusite  
**Location:** Beaver Mesa - Utah  
**Level:**

**Geology by:** Survey
Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-2446 (Uranium), Contract No. Idm-E445, Boomerang Mining Company, Grand County, Utah.

Enclosed are the original and three copies of a semi-annual report relative to operations at the site of the subject project subsequent to the issuance of a Certification of Discovery or Development by the Defense Minerals Exploration Administration.

W. H. King

Enclosures
Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Enclosed are six copies of Semiannual Report of Certified Project covering the period July 1, 1953, to December 31, 1953.

Stephen R. Wilson

Enclosure
The exploratory diamond drilling in the Corvusite mine area was completed August 31, 1953, finishing the work under Contract Idm-E445. Since this date underground mining has been carried on in workings being driven toward and through the area of drilling. All the production indicated in the above tabulation has come from this area which is shown on the attached map.

The faces on the map are the extent of the workings on December 19, 1953, the date operations were suspended for the winter months. It has been the practice in the past years of the operation at the Corvusite mine to recess mining late in December and resume the operation as early in March as the weather conditions will allow. On the date of the examination for this report, mining was in recess and the winzes shown on the map were partially full of water; thus the faces were not observed. The map was furnished by the operator and is believed to be accurate. The mapped workings which were open were checked with Brunton and tape.

Conversation with the operators indicates that mining in the area of DMEA exploratory work will be resumed as early as practicable on a somewhat increased scale. Some equipment will be added in the form of a tramming motor and a mechanical mucking machine. It was noted during monthly inspections that the production could be doubled with little difficulty.
The operators intend to continue driving through the zone of mineralization to the ore holes completed under the contract, and stopes as indicated by the ore encountered.
NOTES

1. SOLID OUTLINE OF WORKINGS SHOWS ADVANCE SINCE BEGINNING OF DMEA WORK.
2. TRACED FROM MAP MADE BY CHAS. V. AND FRANK E. WOODARD, BOOMERANG MINING CO., DEC., 1953.
Climax Uranium Company
Unit of American Metal Climax, Inc.
Grand Junction, Colorado

Bought of: E. E. Lewis, Inc.
Address: P. O. Box 1480
Grand Junction, Colorado

Mining Claim: Uranth (PMEA-2446 (Uranium) Contract No. 15th-M-45; Boomerang Mining Co. (Census Mine) Grand County, Utah)

Lot No. | Wet Weight Pounds | H₂O | Dry Weight Pounds | Settlement Assays | U₃O₈ | V₂O₅ | U₃O₈ | V₂O₅
---|---|---|---|---|---|---|---|---
2961 | 65,420 | 61,364 | 0.21 | 0.43 | 128,96 | 263.87 |

U₃O₈ Per Lb. Total Value
0.21% = 128.96 lbs. @ $3.50 $451.01

Development Allowance 128.96 lbs. @ .50 $64.43

Premium in excess of 4% per ton
Total lbs. U₃O₈ 128.96
Less: 30.66 Tons @ 4% 122.72 .75 4 61

Premium in excess of 10% per ton
Total lbs. U₃O₈
Less:___ Tons @ 10% ___

Premium LBS. OME

Total U₃O₈ Payment

Haulage Allowance

V₂O₅

Grade Premium (Penalty)

TOTAL GROSS PRICE

Deductions: OME - 5% of Total Gross Price $22.42

Final OME payment as per letter dated 11-15-62 to Mr. A. R. Eikenbary from Mr. Hugh M. Connors
Acting Field Officer, OME, Region III

NET PROCEEDS

As soon as we make the refund to the mill for the overpayment on royalty, this account may be closed.
**ORE SETTLEMENT**

**Date Received:** 10-1-62 thru 10-31-62

**Beaver Mesa**

<table>
<thead>
<tr>
<th>No.</th>
<th>Wet Weight</th>
<th>Dry Weight</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pounds</td>
<td>H₂O Pounds</td>
<td>U₂O₃</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>1</td>
<td>2.34</td>
<td>1.21</td>
<td>2.12</td>
<td>1.93</td>
</tr>
<tr>
<td>2</td>
<td>1.50</td>
<td>1.21</td>
<td>1.29</td>
<td>1.15</td>
</tr>
<tr>
<td>3</td>
<td>1.85</td>
<td>1.21</td>
<td>1.66</td>
<td>1.50</td>
</tr>
</tbody>
</table>

**Remittance Allowance:**
- **4%** of ore over 4% per ton
- **10%** of ore over 10% per ton

**Total U₂O₅ Payment:**

<table>
<thead>
<tr>
<th>Percent</th>
<th>Lbs.</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>4%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Per Lbs.**

<table>
<thead>
<tr>
<th>Lbs.</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Value:**

- $  

**Premium (Penalty):**

- **2.5%** of ore over 2.5% per ton

**Total Charge:**

- **TOTAL**

**Notes:**
- The undersigned certifies that he is the owner of the ore described in this Settlement Sheet and has surrendered the ore to Grand Junction, Colorado.
- The ore delivered to Grand Junction Company is determined to be all my right, title and interest in and to the ore.
- The ore delivered is deemed as "settlement ore" in full settlement for ore due to an account of the ore delivered.

**Repair or Agent:**

---

*Signature*
**ORE SETTLEMENT**

**Liquidation Number:**

**Date:** October 3, 1962

**Bought of:** R. R. Lewis, Inc.

**Address:** P. O. Box 1481

Grand Junction, Colorado

**Mining Claim:** Uranth

**Mining District:** Beaver Mesa

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight</th>
<th>Dry Weight</th>
<th>Settled U₃O₈</th>
<th>U₃O₈ Pounds</th>
<th>V₂O₅ Pounds</th>
<th>CaCO₃ Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>1077</td>
<td>27.59</td>
<td>6.02</td>
<td>1.31</td>
<td>2.79</td>
<td>1.11</td>
<td>3.79</td>
</tr>
<tr>
<td>1078</td>
<td>32.23</td>
<td>22.27</td>
<td>1.31</td>
<td>4.31</td>
<td>1.31</td>
<td>7.67</td>
</tr>
<tr>
<td>1079</td>
<td>41.50</td>
<td>10.76</td>
<td>1.30</td>
<td>6.16</td>
<td>1.31</td>
<td>9.53</td>
</tr>
<tr>
<td>1080</td>
<td>11.18</td>
<td>7.10</td>
<td>1.30</td>
<td>6.18</td>
<td>1.30</td>
<td>9.49</td>
</tr>
<tr>
<td>1081</td>
<td>27.72</td>
<td>18.46</td>
<td>1.30</td>
<td>6.13</td>
<td>1.30</td>
<td>9.46</td>
</tr>
<tr>
<td>1082</td>
<td>17.61</td>
<td>12.02</td>
<td>1.30</td>
<td>6.12</td>
<td>1.30</td>
<td>9.48</td>
</tr>
<tr>
<td>1083</td>
<td>16.11</td>
<td>11.04</td>
<td>1.30</td>
<td>6.11</td>
<td>1.30</td>
<td>9.47</td>
</tr>
<tr>
<td>1084</td>
<td>15.09</td>
<td>10.00</td>
<td>1.30</td>
<td>6.10</td>
<td>1.30</td>
<td>9.46</td>
</tr>
<tr>
<td>1085</td>
<td>14.08</td>
<td>9.00</td>
<td>1.30</td>
<td>6.08</td>
<td>1.30</td>
<td>9.46</td>
</tr>
<tr>
<td>1086</td>
<td>13.07</td>
<td>8.00</td>
<td>1.30</td>
<td>6.07</td>
<td>1.30</td>
<td>9.47</td>
</tr>
</tbody>
</table>

**TOTAL**

| | | | | | | |
|---|---|---|---|---|---|
| | | | | | |

**Development Allowance:**

- Lbs. @ $ 5.00 = $ 20.00

**Premium in excess of 4% per ton**

- Total Lbs. U₃O₈: 104.16
- Less 100.12 Tons @ 4% = 100.12 @

**Premium LBS.**

- Premium in excess of 10% per ton
- Total Lbs. U₃O₈: 104.16
- Less 100.12 Tons @ 10% = 100.12 @

**Haulage Allowance**

- Lbs. @ $ 5.00 = $ 25.00

**Grade Premium (Penalty)**

- Lbs. @ $ 5.00 = $ 25.00

**Total Gross Price**

- $ 100.12 @

---

*The undersigned, an authorized representative of the lawful owner, of the ore described in this settlement sheet and have legal right to sell or dispose of the same. I agree to sell or dispose of the same to the best advantage of the owner. The undersigned does hereby sell the above described ores to the United States of America, Department of the Interior, Region III, Denver, Colorado.*

**Permit No.:** 2492

**Date:** OCT 1, 1962

**Location:** Grand Junction, Colorado

**Mineral:** Uranum
# ORE SETTLEMENT

**OIMAX URANIUM COMPANY**

**UNIT OF AMERICAN METAL CLIMAX, INC.**

**P. O. Box 999**

**GRAND JUNCTION, COLORADO**

Liquidation Number: 4.21

Date: Dec. 11, 1962

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight</th>
<th>Dry Weight</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pounds</td>
<td>Pounds</td>
<td>Pounds</td>
<td>Pounds</td>
<td>Pounds</td>
</tr>
<tr>
<td>1</td>
<td>22.22</td>
<td>22.22</td>
<td>0.22</td>
<td>0.22</td>
<td>0.22</td>
</tr>
<tr>
<td>2</td>
<td>22.22</td>
<td>22.22</td>
<td>0.22</td>
<td>0.22</td>
<td>0.22</td>
</tr>
<tr>
<td>3</td>
<td>22.22</td>
<td>22.22</td>
<td>0.22</td>
<td>0.22</td>
<td>0.22</td>
</tr>
</tbody>
</table>

**Total**

Per Lb. Total Value

- Total U₃O₈ Payment
- Haulage Allowance
- Grade Premium (Penalty)
- Loss: Excess Lime Charge

**TOTAL GROSS PRICE**: $24.14

**NET PROCEEDS**: $24.14

I certify that I am the lawful owner or authorized Representative of the Lawful Owner of the Ore described in this Settlement Sheet and have sold the same to Clima Uranium Company.

I hereby transfer to Clima Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyer agrees governors if seller fails to submit his reports prior to acceptance of payment.

Seller or Agent:
ORE SETTLEMENT

<table>
<thead>
<tr>
<th>Wet Weight</th>
<th>Dry Weight</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Pounds</td>
<td>H₂O</td>
<td>Pounds</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date Received: 

Date: 

Mining District: 

Liquidation Number: 

O.M.E.

DEPARTMENT OF THE INTERIOR

Mission III

Grand Junction, Colorado

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Selling Agent

Transfer to Climax Uranium Company, is subject to the following conditions:

1. Seller to submit his assays prior to acceptance of payment.

2. Assays govern if Seller fails to submit his assays prior to acceptance of payment.

3. If Seller fails to submit his assays prior to acceptance of payment, the ore will be returned to Seller.

4. Seller agrees to all terms and conditions of this Settlement Sheet.

5. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties.

6. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

7. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

8. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

9. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

10. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

11. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

12. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

13. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

14. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

15. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

16. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

17. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

18. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

19. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

20. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

21. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

22. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

23. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

24. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

25. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

26. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

27. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

28. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

29. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

30. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

31. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

32. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

33. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

34. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

35. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

36. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

37. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

38. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

39. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

40. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

41. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

42. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

43. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

44. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

45. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

46. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

47. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

48. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

49. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

50. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

51. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

52. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

53. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

54. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

55. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

56. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

57. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

58. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

59. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.

60. Seller agrees to all terms and conditions of the Uranium Purchase Agreement between the parties, including any amendments thereto.
**ORE SETTLEMENT**

**CLIMAX URANIUM COMPANY**

**UNIT OF AMERICAN METAL CLIMAX, INC.**

P. O. Box 989
GRAND JUNCTION, COLORADO

Date: 

Date Received: 

No. Mining Claim _______ Mining District. 

### CONTENTS POUNDS

<table>
<thead>
<tr>
<th>No.</th>
<th>Wet Weight Pounds</th>
<th>Dry Weight Pounds</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>U₂O₅</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>0.21</td>
<td>1.41</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>0.41</td>
<td>0.81</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>0.21</td>
<td>0.41</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>0.38</td>
<td>0.78</td>
</tr>
</tbody>
</table>

**TOTAL** 126.5 | 25.3 | 1.56

### Per Lb. Total Value

<table>
<thead>
<tr>
<th>U₂O₅</th>
<th>Per Lb.</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lbs.</td>
<td>$ 0.50</td>
<td>$ 63.00</td>
</tr>
<tr>
<td>Lbs.</td>
<td>$ 1.00</td>
<td>$ 255.00</td>
</tr>
</tbody>
</table>

**Development Allowance**

**PREMIUM LBS.**

**Haulage Allowance**

**Grade Premium (Penalty)**

**Less: Excess Lime Charge**

**TOTAL GROSS PRICE**

**NET PROCEEDS**

---

I, the lawful owner or authorized Representative of the Lawful Owner of the Ore described in this Settlement Sheet, and have legal right to deliver to Climax Uranium Company.

I certify that Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

If Seller fails to submit his assay prior to acceptance of payment.

Seller or Assignee

DEPARTMENT OF THE INTERIOR
JUL 1, 1932
REGION 4
GRAND JUNCTION, COLORADO
### ORE SETTLEMENT

#### Liquidation Number

- **Date of Receipt:**
- **Date of Payment:**

<table>
<thead>
<tr>
<th>Wet Weight</th>
<th>Dry Weight</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Pounds</strong></td>
<td><strong>Lbs.</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>H₂O</strong></td>
<td><strong>U₃O₈</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Premium Allowance

- **Premium in excess of 4% per ton**
- **Lbs. @**
- **$**

#### Excess Lime Charge

- **Ton @**
- **$ per ton**
- **TOTAL**

#### TOTAL GROSS PRICE

- **$**

---

I, the lawful owner or authorized representative of the above-described ore, hereby transfer to Maricopa Mining Company, the possession and control of the ore, all my title to and interest in the ore. I hereby accept the amount as shown above as "Total Gross Price" in full settlement of sums due to me on account of the ore deliveries described above.

Signed this 20th day of October, 1964.

[Signature]

Owner or Agent.
ROYALTY PAYMENT STATEMENT

ROYALTY DUE: OME A - Docket 2446

ADDRESS: 224 New Custom House Bldg.
Denver, Colorado

ROYALTY PAYMENT FROM: E.E. Lewis Inc.

LIQUIDATION NO. 1630

ROYALTY AT 5% OF $ 588.77

AMOUNT OF ROYALTY PAYMENT
(880 - 88198 - 33.00)
864 - 88 - 2 = 038

$ 28.44
× 4-94
33.38

TO PAYEE 34527
Boomerang Mng Co

DATE 4-19-67

FORM 250-23-15 OME

DEPARTMENT OF THE INTERIOR
REGION III
DENVER, COLORADO

APR 23 1962
<table>
<thead>
<tr>
<th>RECEIPT PLANT</th>
<th>SOURCE VENDOR CLAIM</th>
<th>NET WEIGHT POUNDS</th>
<th>% H2O</th>
<th>DRY WEIGHT POUNDS</th>
<th>SETTLEMENT ASSAY</th>
<th>AVERAGE</th>
<th>PRICE PER A.E.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>32</td>
<td>187</td>
<td>97</td>
<td>U3O8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>0.949030</td>
<td>29600</td>
<td>6.1</td>
<td>2779400</td>
<td>V2O5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CoCO3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DETAIL OF PAYMENT**

- **U3O8 PAYMENT**
  - 8894 lbs at 414000
  - 1390 lbs at 36821
- **DEVELOPMENT ALLOWANCE**
  - 8894 lbs at 50
  - 1390 lbs at 4447
- **V2O5 PAYMENT**
  - 51975 lbs at 33
  - 1390 lbs at 17152
- **LIME PENALTY OVER 6PC**
  - 1.11 lbs at 1390
  - 1543 cr at 1

**TOTAL U3O8, V2O5, AND HAULAGE PAYMENT**

**$56877**
ROYALTY PAYMENT STATEMENT

DATE: 3-2-62

ROYALTY DUE: OME A - Docket 2446

ADDRESS: 224 New Custom House Blvd
Denver, Colorado

ROYALTY PAYMENT FROM: C.C. Lewis, Inc.

LIQUIDATION NO. Corrected - 11545

ROYALTY AT: 5% OF $2081-12

AMOUNT OF ROYALTY PAYMENT

(880 - 88 - 198 = 600)

104-06

101-71

2-35

403

6-38

FORM 250-23-15 ©
Bought of
E. E. Lewis Incorporated
P. O. Box 1481
Grand Junction, Colorado

Mining Claim
Urantab 1-2

<table>
<thead>
<tr>
<th>REC'V</th>
<th>SOURCE</th>
<th>NET WEIGHT</th>
<th>% H₂O</th>
<th>DRY WEIGHT</th>
<th>SETTLEMENT ASSAYS</th>
<th>* APPROXIMATE AVERAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>POUNDS</td>
<td></td>
<td>POUNDS</td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>2</td>
<td>094</td>
<td>903.0</td>
<td>105 940</td>
<td>6.8</td>
<td>98 737 0.00</td>
<td>33 1.72</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DETAIL OF PAYMENT</th>
<th>LBS OR MILES</th>
<th>RATE</th>
<th>DRY MET TONS</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ Payment</td>
<td>327 33</td>
<td>4</td>
<td>16000</td>
<td>49 37</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>327 33</td>
<td>50</td>
<td>49 37</td>
<td>163 67</td>
</tr>
<tr>
<td>V₂O₅ Payment</td>
<td>1814 26</td>
<td>33</td>
<td>49 37</td>
<td>598 71</td>
</tr>
<tr>
<td>Lime Penalty over 6%</td>
<td></td>
<td>87</td>
<td>49 37</td>
<td>(42 95)</td>
</tr>
</tbody>
</table>

Less amount previously paid
2034.25

Total U₃O₈, V₂O₅, and Haulage Payment
$2081.12
<table>
<thead>
<tr>
<th>PERIOD</th>
<th>TONNAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DATE</td>
</tr>
<tr>
<td>1/1 - 1/31/62</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1-30</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
</tr>
<tr>
<td>RECEIPT</td>
<td>SOURCE</td>
</tr>
<tr>
<td>---------</td>
<td>--------</td>
</tr>
<tr>
<td>PLANT</td>
<td>VENDOR</td>
</tr>
<tr>
<td>2</td>
<td>094903</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DEVELOPMENT ALLOWANCE**

<table>
<thead>
<tr>
<th>RECIPIENT</th>
<th>SOURCE</th>
<th>NET WEIGHT</th>
<th>DRY WEIGHT</th>
<th>TON</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CO₂</th>
<th>RATE</th>
<th>DRY WT TONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>31864</td>
<td>414000</td>
<td>4937</td>
<td>15932</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXCESS 4 LB TON PREM**

<table>
<thead>
<tr>
<th>RECIPIENT</th>
<th>SOURCE</th>
<th>NET WEIGHT</th>
<th>DRY WEIGHT</th>
<th>TON</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CO₂</th>
<th>RATE</th>
<th>DRY WT TONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12116</td>
<td>4937</td>
<td>4937</td>
<td>59871</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXCESS 10 LB TON PREM**

<table>
<thead>
<tr>
<th>RECIPIENT</th>
<th>SOURCE</th>
<th>NET WEIGHT</th>
<th>DRY WEIGHT</th>
<th>TON</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CO₂</th>
<th>RATE</th>
<th>DRY WT TONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>18142.6</td>
<td>33</td>
<td>4937</td>
<td>42951</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LIME PENALTY OVER 6PC**

<table>
<thead>
<tr>
<th>RECIPIENT</th>
<th>SOURCE</th>
<th>NET WEIGHT</th>
<th>DRY WEIGHT</th>
<th>TON</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CO₂</th>
<th>RATE</th>
<th>DRY WT TONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>98700</td>
<td>87</td>
<td>4937</td>
<td>42951</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL U₃O₈, V₂O₅, AND HAULAGE PAYMENT**

| TOTAL | |
|-------|-
| $203425 |
Building 20 - Federal Center
Denver 25, Colorado

AIRMAIL

January 18, 1962

Maxwell Bentley, Secretary
Crest Oil Company
P. O. Box 2045
Salt Lake City, Utah

To: EIA-2446 (Uranium)
Contrast No.: EIA-2445
Bonneville Mining Company
(Conventive Mine)
Grand County, Utah

Dear Mr. Bentley:

Thank you for your check for $777.16 which was the amount of royalty due as quoted in my letter dated January 15, 1962, addressed to E. E. Lewis, Inc., copy of which was forwarded to you.

On January 17, 1962, I forwarded you a copy of my letter to Union Carbide Nuclear Company regarding additional royalty due on liquidation No. 11506 because of the corrected settlement sheet.

The royalty status on liquidation No. 11506 to date is as follows:

| Total amount of royalty due | $331.55 |
| Total royalty paid to date | 301.49  |
| Balance of royalty due     | 8.97   |

Will you please forward this office your check for $8.97 to bring this royalty account into balance.

Yours very truly,

Hugh M. Comares
 Acting Field Officer, OMK
Region III

cc Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

cc E. E. Lewis, Inc.
P. O. Box 1461
Grand Junction, Colorado
January 16, 1962

United States Department of Interior
Office of Minerals Exploration
Building 20, Federal Center
Denver 25, Colorado

Attention: Hugh M. Connors, Acting Field Officer, OME

Re: Docket No. DIA-2446 (Uranium)
Contract No. IDM-2446

Gentlemen:

Receipt is acknowledged of your letter of January 16, 1962, wherein you called our attention to the fact that the royalty on Liq. No. 11509 should have been $321 rather than $433.84. Enclosed please find Croff's check made payable to your department in the sum of $321.60.

I note from your letter that you also send a copy of same to Union Carbide Nuclear Company at Rifle, Colorado and I suppose that will be sufficient notice for them to make the future payments correctly.

Very truly yours,

CROFF OIL COMPANY

by Maxwell Bentley
Maxwell Bentley, Secretary
January 17, 1962

Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

We have received two royalty checks from you for liquidation No. 11508 representing the sale of ore from the captured property as follows:

<table>
<thead>
<tr>
<th>Check</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>15235</td>
<td>$45.84</td>
</tr>
<tr>
<td>33435</td>
<td>1.58</td>
</tr>
<tr>
<td><strong>Total paid</strong></td>
<td><strong>$45.82</strong></td>
</tr>
</tbody>
</table>

The total royalty due the Government on Liquidation No. 11508 is 5 percent of $6,651.00 which is $331.55.

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$331.55 Total amount of royalty due</td>
</tr>
<tr>
<td>- $45.42 Amount paid to date</td>
</tr>
<tr>
<td><strong>$286.13 Royalty due</strong></td>
</tr>
</tbody>
</table>

Will you please arrange with the Operator to pay the royalty due the Government on this liquidation.

If the Operator will soon have another shipment of ore for your will the amount due for royalty on liquidation No. 11508 could be paid from the next shipment.

Will you please advise.

Yours very truly,

Hugh M. Coomsor
Acting Field Officer, OSF
Region III

cc: Groff Oil Company
407 Lawrence Building
Salt Lake City, Utah

E. E. Lewis, Inc.
P. O. Box 1401
Grand Junction, Colorado
January 15, 1962

E. E. Lewis Inc.
P.O. Box 1681
Grand Junction, Colorado

Re: Rocket No. BMD-2446 (Uranium)
Contract No. DBO-2445
Bonneville Mining Company
(Cervantes Mine)
Grand County, Utah

Gentlemen:

We received a check for $45.84 for royalty on liquidation No. 11506. The royalty on this lot should have been $321.00. Remainder of royalty due the Government on this lot is $277.16.

Will you please forward this office your check for $277.16 to balance the royalty account.

Yours very truly,

[Signature]

Hugh W. Comers
Acting Field Officer, ONR
Region III

cc Union Carbide Nuclear Company
Rifle, Colorado

Croft Oil Company
407 Edwards Building
Salt Lake City, Utah

Chief, Division of Field Operations (2)
Royalty Corres. E445
Chron
January 16, 1962

United Stated Department of Interior
Office of Minerals Exploration
Building 20, Federal Center
Denver 25, Colorado

Attention: Hugh M. Conners, Acting Field Officer, OME

Re: Docket No. DMEA-2446 (Uranium)
Contract No. IDM-E445

Gentlemen:

Receipt is acknowledged of your letter of January 15, 1962, wherein you called our attention to the fact that the royalty on Liq. No. 11508 should have been $321 rather than $43.84. Enclosed please find Croff's check made payable to your department in the sum of $277.16.

I note from your letter that you also send a copy of same to Union Carbide Nuclear Company at Rifle, Colorado and I suppose that will be sufficient notice for them to make the future payments correctly.

Very truly yours,

CROFF OIL COMPANY

by Maxwell Bentley, Secretary

MB:bb

E 445 - 24/46
Boomerang Mnq Co
277' 6
## Ore Settlement

**Bought of:**
E. E. LEWIS INCORPORATED  
P. O. Box 1481  
Grand Junction, Colorado

**Mining Claim:**
URANTAH 1 -2

---

<table>
<thead>
<tr>
<th>RECV. PLANT</th>
<th>SOURCE</th>
<th>NET WEIGHT POUNDS</th>
<th>% H₂O</th>
<th>DRY WEIGHT POUNDS</th>
<th>SETTLEMENT ASSAYS</th>
<th>PRICE PER AEC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>2 094</td>
<td>903</td>
<td>457 200</td>
<td>5.4</td>
<td>432 468 00</td>
<td>27</td>
<td>1.26</td>
</tr>
</tbody>
</table>

---

**Detail of Payment**

<table>
<thead>
<tr>
<th>VENDOR CLAIM</th>
<th>POUNDS U₃O₈</th>
<th>POUNDS V₂O₅</th>
<th>POUNDS CaCO₃</th>
<th>DRY WET TONS</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U3O8 Payment</td>
<td>1 149</td>
<td>3 92</td>
<td>216 23</td>
<td>4 505</td>
<td>10</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>1 149</td>
<td>50</td>
<td>216 23</td>
<td>574</td>
<td>63</td>
</tr>
<tr>
<td>V205 Payment</td>
<td>5 443</td>
<td>31</td>
<td>216 23</td>
<td>1 687</td>
<td>49</td>
</tr>
<tr>
<td>Lime Penalty</td>
<td>63</td>
<td></td>
<td>216 23</td>
<td>(136)</td>
<td>22</td>
</tr>
</tbody>
</table>

---

**Load Detail Sheets did not change**

---

**Total U₃O₈, V₂O₅ and Haulage Payment:**

<table>
<thead>
<tr>
<th></th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6 631 00</td>
<td></td>
</tr>
<tr>
<td>Less amount previously paid</td>
<td>$6,419.95</td>
</tr>
<tr>
<td>$211.05</td>
<td></td>
</tr>
<tr>
<td>RECEIPT PLANT</td>
<td>SOURCE</td>
</tr>
<tr>
<td>---------------</td>
<td>--------</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>0949030</td>
</tr>
</tbody>
</table>

**DETAIL OF PAYMENT**

- **U₃O₈ PAYMENT**: 114926 lbs @ 350000 = 402241
- **DEVELOPMENT ALLOWANCE**: 114926 lbs @ 50 = 57463
- **EXCESS 4 LB TON PREM**: 28434 lbs @ 75 = 21326
- **EXCESS 10 LB TON PREM**: 544350 lbs @ 31 = 168749
- **LIME PENALTY OVER 6PC**: 14384 lbs @ 36 = 77849

**TOTAL U₃O₈, V₂O₅ AND HAULAGE PAYMENT**: $641995
April 13, 1961

Croff Oil Company
407 Kearns Building
Salt Lake City, Utah

Re: Docket No. BM7A-2446
Contract No. UAM E445
Boomsrag Mining Company
(Corvusite Mine)
Grand County, Utah

Gentlemen:

On February 14, 1961 I forwarded you at 309 Cramall Building,
Salt Lake City, Utah, a copy of the Report of Royalty Review
on the subject contract. This Report of Royalty Review was
returned to this office marked "not here" so I then sent it to
Maxwell Bentley, Box 641, Moab, Utah and since the letter was
not returned I presume that you received it from your attorney,
Mr. Maxwell Bentley.

If I do not receive the $7.87 due the Government for past due
royalty before May 15, 1961, I will have no recourse but to refer
the matter to our Washington office for such action as they deem
necessary to protect the Government's interest.

Yours very truly,

Hugh W. Connors
Acting Field Officer, OME
Region III

$7.87 enclosed
July 8, 1960

United States Atomic Energy Commission
Grand Junction Operations Office
Grand Junction, Colorado

Attention: Mr. K. L. Burson, Director
Finance Division

Gentlemen:

Attached hereto is our check No. 9976, in the amount of $8.42 in payment of royalties withheld from settlement on ores delivered by lessees of AEC owned claims, during the month of June, 1960.

On Lot No. 456 the shipper is E. E. Lewis, Inc. Copies of ore liquidations supporting these withholdings are enclosed.

Yours very truly,

Original Signed by
J. L. NAYLOR
J. L. Naylor
Office Manager

Encl: Check No. 9976 ($8.42)
Liquidation
Form No. 0-4 (Rev.)

WESTERN URANIUM PROJECT
LUCIUS PITKIN INC.
Ore Purchasing Agent for United States Atomic Energy Commission

Receiving Station Monticello Grand Junction, Colorado June 6 1960
Liquidation No. 5145 Lot No. 456 Shippers Lot No._____
Address P. O. Box 1481, Grand Junction, Colorado

Type of Ore Carnotite Contract No. ___________
Mining Claim Corwithite Trial Lot Date Received 5-16-60
Mining District Carbondale Gateway Pile No. 101
State Colo. Locality Beaver Mesa

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H2O</th>
<th>Dry Weight Pounds</th>
<th>UO2</th>
<th>V2O5</th>
<th>CaCO3</th>
<th>Cu</th>
</tr>
</thead>
<tbody>
<tr>
<td>456</td>
<td>49,660</td>
<td>6.00</td>
<td>46,680</td>
<td>0.10</td>
<td>0.68</td>
<td>5.8</td>
<td>5.8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Ore</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>UO2</td>
<td>1.50</td>
<td>3.00</td>
<td>23,340</td>
<td>70.02</td>
</tr>
<tr>
<td></td>
<td>.50</td>
<td>1.00</td>
<td></td>
<td>23.34</td>
</tr>
<tr>
<td></td>
<td>4.00</td>
<td></td>
<td>23,340</td>
<td>93.36</td>
</tr>
<tr>
<td>TOTAL UO2 PAYMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haulage allowance</td>
<td>(100) 90 miles at 6$ per wet ton mile</td>
<td></td>
<td>24,8300</td>
<td>134.06</td>
</tr>
<tr>
<td></td>
<td>325.44</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V2O5</td>
<td>.31</td>
<td>4.216</td>
<td>23,340</td>
<td>93.36</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL GROSS PRICE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reductions:
DE # 2446 5$ at (168.42) =

NET PROCEED

Correct Eck
Checked DFR
Approved JIN

16- JUL '60 Boomerang Mining Co.

PAID

PAYMENT CONDITIONS

Buyer's assays govern if Seller fails to submit assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules, unless otherwise provided in contract applicable to ore delivery described herein.

By endorsement of the check issued in settlement and payment for the ore herein described, the Seller or his Agent warrants: (1) that Seller is the lawful owner, or authorized representative of the lawful owner, of the ore described in this settlement sheet and that Seller has legal right to deliver such ore to the Commission; and (2) that Seller holds or has made proper application for the AEC source material license described above; and by the endorsement of such check the Seller or his Agent further agrees that: (1) all right, title, and interest in and to such ore is transferred by the Seller to the Commission effective as of the date of delivery of such ore; and (2) that Seller accepts the amount shown above as "total gross price" in full settlement for all sums due on account of the ore delivered and described herein.

OME DEPARTMENT OF THE INTERIOR
JUL 13 1960
REGION III
DENVER, COLORADO

DEPARTMENT OF THE INTERIOR
**Western Uranium Project**

**Lucius Pitkin Inc.**

Ore Purchasing Agent for United States Atomic Energy Commission

**Grand Junction, Colorado 11/17**

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Gt. Weight Pounds</th>
<th>Wt.</th>
<th>Sett. Assays</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>U. O.</td>
<td>V. O.</td>
</tr>
<tr>
<td>2312</td>
<td>43.000</td>
<td>4.07</td>
<td>9.707</td>
<td>0.20</td>
</tr>
<tr>
<td>1300</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1208</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total U3O8 Payment**

16.00

**Total**

21.9785

**Total Gross Value**

21.9785

**O.M.E.**

Department of the Interior

Jan 8, 1960

Region III

Denver, Colorado

**New Processors**

Contractor: NE

Cheque: NE

Approved: NE

---

*Note: Buyer's terms govern if Seller fails to submit claim prior to acceptance of payment. All values paid are based on U. S. Atomic Energy Commission published schedules, unless otherwise provided in contract applicable to ore delivered and described herein.*
Memorandum

To: Chairman, Operating Committee, OME
From: Executive Officer, OME Field Team, Region III
Subject: Royalty Payments, Docket No. DMEA 2446 (Uranium), Contract No. Idm-445, Boomerang Mining Co. (Bonanza claims), Grand County, Utah

Period: October 1959

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lique. No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Paid</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-30-59</td>
<td>5012</td>
<td>20.053</td>
<td>$21.89</td>
<td>$21.89</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

Totals: 34,681 $38.12 $38.12 -- --

Past Due Royalties Collected:

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,812,404

cc: Royalty File E 445 w/settlement sheets
**MINUSIN ClUE NUCLEAR CO.**

**DIVISION OF UNION CARBIDE CORPORATION**

P. O. BOX 1049, GRAND JUNCTION, COLORADO

**ORE SETTLEMENT**

**BUUGHT OF**

**SUNRAY MINING CO INC**

**BOX 897**

**MOAB UTAH**

**MINING CLAIM**

**CORVUSITE MINE**

<table>
<thead>
<tr>
<th>RECEIPT</th>
<th>SOURCE</th>
<th>CLAIM</th>
<th>NET WEIGHT</th>
<th>% H2O</th>
<th>DRY WEIGHT</th>
<th>U3O8</th>
<th>V2O5</th>
<th>Ca CO3</th>
<th>APPROXIMATE AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>161</td>
<td>901</td>
<td>32220</td>
<td>92</td>
<td>2925600</td>
<td>17</td>
<td>117</td>
<td>117</td>
<td>1463</td>
</tr>
</tbody>
</table>

**DETAIL OF PAYMENT**

**LBS OR MILES**

**RATE**

**DRY WEIGHT TONS**

**VALUE**

- **U3O8 PAYMENT**
  - 4974 Lbs
  - 2,900.00
  - 1463 Tons
  - 14,425 Value

- **DEVELOPMENT ALLOWANCE**
  - 4974 Lbs
  - 50
  - 1463 Tons
  - 2487 Value

- **EXCESS 4 LB TON PREM**
  - 4974 Lbs
  - 75
  - 1463 Tons

- **EXCESS 10 LB TON PREM**
  - 4974 Lbs
  - 25
  - 1463 Tons

- **V2O5 PAYMENT**
  - 34230 Lbs
  - 31
  - 10611 Tons
  - 10,611 Value

- **LIME PENALTY OVER 6PC**
  - 5100 Lbs
  - 6
  - 1611 Tons
  - CR

- **HAULAGE ALLOWANCE**
  - 5100 Lbs
  - 6
  - 1611 Tons
  - 4930 Value

**TOTAL U3O8, V2O5, AND HAULAGE PAYMENT**

- **$32,453**
<table>
<thead>
<tr>
<th>RECEIPT PLANT</th>
<th>DATE OF RECEIPT</th>
<th>SCALE TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>32220</td>
<td>92</td>
<td>29256</td>
<td>U₃O₈</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32220</td>
<td>92</td>
<td>29256</td>
<td>V₂O₅</td>
<td>17</td>
</tr>
</tbody>
</table>

RECEIVING PLANT CODES:
1. Uranium, Colo.
2. Bitte, Colo.
3. Green River, Utah
4. Slickrock, Colo.
<table>
<thead>
<tr>
<th>Date</th>
<th>No.</th>
<th>WESTERN URANIUM PROJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct 29, 1959</td>
<td>7861</td>
<td>LUCIUS PITKIN, Inc.</td>
</tr>
</tbody>
</table>

**PAYMENT**

To the order of:

**Boomerang Mining Co.**

8711 West 50 South

Glenwood Springs, Colorado

**Amount**

$4,977.00

Signed:

[Signature]

[Address]

[Date]
## LUCIUS PITKIN INC.

**Department of the Interior**

**OCT 29 1959**

**Region II**

**DENVER, COLORADO**

---

**Lot No.** | **Wet Weight Pounds** | **H. O.** | **Dry Weight Pounds** | **CUMULATIVE AGGREGATE** | **COMBINED POUNDS**
---|---|---|---|---|---
3158 | 42,670 | 6.00 | 40,107 | 0.16 | 1.26 | 8.8 | 63.17 | 3.36 | 10263
3157 | 42,670 | 6.00 | 40,107 | 0.16 | 1.26 | 8.8 | 63.17 | 3.36 |

**Price**

- For **$1.00**
  - **Per Lb.**
  - **Per Tons**
  - **Short Tons**

**Development allowance**

| **Item** | **Loss**
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>#308</strong></td>
<td><strong>1.00</strong></td>
</tr>
<tr>
<td><strong>Development allowance</strong></td>
<td><strong>3.24</strong></td>
</tr>
</tbody>
</table>

**SUMMARY**

- **TOTAL 3358**
- **Haulage allowance (100) 90 MILES at $0.01 per load per mile**
- **TOTAL**

**V205**

- **1.25%**
- **24.5**

**TOTAL**

- **Less. Co. CO2 Penalty**
- **Calculation**

<table>
<thead>
<tr>
<th><strong>Calculation</strong></th>
<th><strong>Result</strong></th>
</tr>
</thead>
</table>
| **(8.5% - 6%)** | **2.5%**
| **2.5%** | **0.10 per unit**

**TOTAL CASH PRICE**

**Deductions:**

**Net Proceeds**

**Correct:**

**Checked:**

**Approved:**

---

**NOTE:**

- **1959**
- **Department of the Interior**
- **OCT 29 1959**
- **Region II**
- **Denver, Colorado**

---

**FILE:**

- A file of technical data containing detailed information about the project, including specifications, drawings, and other relevant documents. The file is designed to be easily accessible and organized for efficient reference and retrieval. It typically includes project-related information such as (1) construction plans, (2) engineering calculations, (3) cost estimation data, (4) quality control procedures, (5) environmental impact assessments, and (6) safety guidelines. The file serves as a comprehensive resource for all stakeholders involved in the project, ensuring that all necessary information is readily available for planning, execution, and monitoring.
# Weight and Assay Certificate

## NATIONAL LEAD COMPANY, Inc.

### WEIGHT AND ASSAY CERTIFICATE

<table>
<thead>
<tr>
<th>R.R. Car No.</th>
<th>Gross Wt. Pounds</th>
<th>Net Wt. Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>Location Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>680305</td>
<td>19,060</td>
<td>18,524</td>
<td>670</td>
<td>19,160</td>
<td></td>
</tr>
<tr>
<td></td>
<td>22,110</td>
<td>21,571</td>
<td>370</td>
<td>22,010</td>
<td></td>
</tr>
</tbody>
</table>

### Location Data
- Mining Claim: [Redacted]
- District: [Redacted]
- Local: [Redacted]
- County: [Redacted]
- State: [Redacted]
- Ore Type: [Redacted]
- Remarks: [Redacted]

### Sampling Personnel
- Sampled by: [Redacted]

### Chemical Analysis

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₅</td>
<td>0.16</td>
</tr>
<tr>
<td>V₂O₅</td>
<td>0.47</td>
</tr>
<tr>
<td>CaCO₃</td>
<td>8.7</td>
</tr>
<tr>
<td>Cu</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The chemical analysis values are in percentage.
Memorandum

To: Chairman, Operating Committee, OME
From: Executive Officer, OME Field Team, Region III
Subject: Royalty Payments, Docket DMEA 2446 (Uranium) Contract Idaho-E445, Boomerang Mining Co. (Bonanza, Uranth & Grandco claims) Grand County, Utah
Period: May 1959

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Liq. No.</th>
<th>Dry Tons</th>
<th>Royalty Royalty</th>
<th>Bonus Bonus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Due  Paid</td>
<td>Roy. Due</td>
</tr>
<tr>
<td>4/24/59</td>
<td>9402</td>
<td>13.301</td>
<td>$10.71</td>
<td>$10.71</td>
</tr>
</tbody>
</table>

Totals: 13.301 $10.71 $10.71
Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,777.723

JW Townsend

cc: Royalty File E 445 w/settlement sheets
Chron.
### UNION CARBIDE NUCLEAR COMPANY
**DIVISION OF UNION CARBIDE CORPORATION**
P.O. BOX 1049, GRAND JUNCTION, COLORADO

**ORE SETTLEMENT**

**BOUGHT OF**

NRAY MINING CO
708 HIGHWAY 50 SOUTH
RAND JUNCTION COLORADO

---

**MINING CLAIM**

**CORVUSITE MINE**

<table>
<thead>
<tr>
<th>REC#</th>
<th>SOURCE</th>
<th>NET WEIGHT</th>
<th>% H_2O</th>
<th>DRY WEIGHT</th>
<th>SETTLEMENT ASSAYS</th>
<th>* APPROXIMATE AVERAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1619010</td>
<td>28.120</td>
<td>54</td>
<td>26.60200</td>
<td>16.074</td>
<td>9.2</td>
</tr>
</tbody>
</table>

**DETAIL OF PAYMENT**

- **U_3O_8 PAYMENT**: 4256 lbs, $27.00 per lb, $1330.00 value
- **DEVELOPMENT ALLOWANCE**: 4256 lbs, $50.00 per lb, $1330.00 value
- **EXCESS 4 LB TON PREM**: 4256 lbs, $75.00 per lb, $1330.00 value
- **EXCESS 10 LB TON PREM**: 4256 lbs, $25.00 per lb, $1330.00 value
- **V_2O_5 PAYMENT**: 19685 lbs, $31.00 per lb, $6102.00 value
- **LIME PENALTY OVER 6%**: 196 lbs, $1330.00 value
- **HAULAGE ALLOWANCE**: 5100 lbs, $0.06 per lb, $1406.00 value

**TOTAL U_3O_8, V_2O_5 and HAULAGE PAYMENT**: $21416

---

**OME**

DEPARTMENT OF THE INTERIOR

MAY 14 1959

REGION III
DENVER, COLORADO

---

**FILE**: 3845
## NAME AND ADDRESS
**SUNRAY MINING CO**  
2708 HIGHWAY 50 SOUTH  
GRAND JUNCTION COLORADO

## MINING CLAIM
**CORVUSITE MINE**

<table>
<thead>
<tr>
<th>DATE OF SCALE</th>
<th>SCALE NUMBER</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>POUNDS U₃O₈</th>
<th>POUNDS V₂O₅</th>
<th>POUNDS CO₂</th>
<th>POUNDS H₃O₈</th>
<th>POUNDS V₂O₅</th>
<th>POUNDS CO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 42 24 30 17</td>
<td>28120</td>
<td>28120</td>
<td>54</td>
<td>26602</td>
<td>16</td>
<td>74</td>
<td>92</td>
<td>4256</td>
<td>19685</td>
<td>244738</td>
<td></td>
</tr>
</tbody>
</table>

*Note: The last row appears to be a duplicate of the second row.*
Memorandum

To: Chairman, Operating Committee, OME
From: Executive Officer, OME Field Team, Region III
Subject: Royalty Payments, Docket DMEA 2446 (Uranium) Contract Idm-445, Boomerang Mining Co. (Bonanza, Urantah & Grandoe claims) Grand County, Utah

Period: March 1959

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Liq. No.</th>
<th>Dry Tons</th>
<th>Royalty Royalty</th>
<th>Bonus Bonus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Due Paid</td>
<td>Roy. Due</td>
</tr>
<tr>
<td>2/6/59</td>
<td>9162</td>
<td>26.397</td>
<td>$40.76 $40.76</td>
<td>No Bonus Due</td>
</tr>
</tbody>
</table>

Totals: 26.397 $40.76 $40.76

Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,764.422

JY

cc: Royalty File E 445 w/settlement sheets
    Chron.

J. W. Townsend
## ORE SETTLEMENT

**MINING CLAIM**

**CORVUSITE MINE**

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>NET WEIGHT</th>
<th>% H₂O</th>
<th>DRY WEIGHT</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>Co CO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>VENDOR</td>
<td>CLAIM</td>
<td>POUNDS</td>
<td>POUNDS</td>
<td>U₃O₈</td>
<td>V₂O₅</td>
<td>Co CO₂</td>
</tr>
<tr>
<td>161901</td>
<td>57240</td>
<td>78</td>
<td>5279400</td>
<td>23</td>
<td>134</td>
<td></td>
</tr>
</tbody>
</table>

### DETAIL OF PAYMENT

<table>
<thead>
<tr>
<th>U₃O₈ PAYMENT</th>
<th>12374</th>
<th>350000</th>
<th>2640</th>
<th>43309</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEVELOPMENT ALLOWANCE</td>
<td>12374</td>
<td>50</td>
<td>2640</td>
<td>6187</td>
</tr>
<tr>
<td>EXCESS 4 LB TON PREM</td>
<td>1814</td>
<td>75</td>
<td>2640</td>
<td>1361</td>
</tr>
<tr>
<td>EXCESS 10 LB TON PREM</td>
<td>25</td>
<td></td>
<td>2640</td>
<td></td>
</tr>
<tr>
<td>V205 PAYMENT</td>
<td>70677</td>
<td>31</td>
<td>2640</td>
<td>21910</td>
</tr>
<tr>
<td>LIME PENALTY OVER 6PC</td>
<td>5100</td>
<td>06</td>
<td>2862</td>
<td>8758</td>
</tr>
<tr>
<td>HAULAGE ALLOWANCE</td>
<td>5100</td>
<td>06</td>
<td>2862</td>
<td>8758</td>
</tr>
</tbody>
</table>

**TOTAL U₃O₈, V₂O₅, and HAULAGE PAYMENT**

$81525

---

**O.M.E.**

DEPARTMENT OF THE INTERIOR

MAR 13 1959

REGION III

DENVER, COLORADO

---

**E 445**
# RATION

**UNION CARBIDE NUCLEAR COMPANY**  
**DIVISION OF UNION CARBIDE CORPORATION**

**NAME AND ADDRESS**  
**SUNRAY MINING CO**  
**2708 HIGHWAY 50 SOUTH**  
**GRAND JUNCTION COLORADO**

**MINING CLAIM**  
**CORVUSITE MINE**

<table>
<thead>
<tr>
<th>RECEIPT</th>
<th>DATE OF RECEIPT</th>
<th>SCALE TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>POUNDS</th>
<th>GRADE</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td>2020-04-18</td>
<td>6372</td>
<td>28960</td>
<td>50</td>
<td>27512</td>
<td>22 131</td>
<td>6053</td>
<td>36041</td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>2020-04-18</td>
<td>5686</td>
<td>28280</td>
<td>50</td>
<td>25282</td>
<td>25 137</td>
<td>6321</td>
<td>34636</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>57240</td>
<td>58</td>
<td>52794</td>
<td>23 134</td>
<td>12374</td>
<td>70677</td>
<td></td>
</tr>
</tbody>
</table>

**SCHEDULING PLANT CODES**  
1. SUNRAY COLO  
2. CRAYAN COLO  
3. FABER, COLO  
4. GREEN RIVER, UT  
5. SLICKROCK COLO
Memorandum

To: Chairman, Operating Committee, OME
From: Executive Officer, OME Field Team, Region III
Subject: Royalty Payments, Docket DMEA 2446 (Uranium) Contract Idm-El45, Boomerang Mining Co. (Bonanza, Urantah & Grandco claims) Grand County, Utah
Period: February 1959

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lig. No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/25/59</td>
<td>9072</td>
<td>58.775</td>
<td>$94.62</td>
<td>$94.62</td>
<td>No Bonus Due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 58.775 $94.62 $94.62

Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,738.025

J. W. Townsend
<table>
<thead>
<tr>
<th>SOURCE</th>
<th>NET WEIGHT POUNDS</th>
<th>% H₂O</th>
<th>DRY WEIGHT POUNDS</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>Ni</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>161901</td>
<td>124640</td>
<td>57</td>
<td>1175490</td>
<td>30562</td>
<td>350000</td>
<td>5877</td>
<td>1069670</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30562</td>
<td>50</td>
<td>5877</td>
<td>152810</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7054</td>
<td>75</td>
<td>5877</td>
<td>52910</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>137532</td>
<td>31</td>
<td>5877</td>
<td>426350</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5100</td>
<td>6</td>
<td>6232</td>
<td>19070</td>
</tr>
</tbody>
</table>

**TOTAL U₃O₈, V₂O₅, and HAULAGE PAYMENT $189244**
## Load Detail Sheet

**Name and Address**

**SUNRAY MINING CO**
2708 HIGHWAY 50 SOUTH
GRAND JUNCTION COLORADO

**Mining Claim**

**CORVUSITE MINE**

<table>
<thead>
<tr>
<th>RECEIPT</th>
<th>SCALE TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>GRADE</th>
<th>GRADE</th>
<th>GRADE</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16109</td>
<td>31480</td>
<td>29780</td>
<td>26</td>
<td>117</td>
<td>7743</td>
<td>34843</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16127</td>
<td>32840</td>
<td>31067</td>
<td>26</td>
<td>117</td>
<td>8077</td>
<td>36348</td>
<td></td>
</tr>
<tr>
<td></td>
<td>17438</td>
<td>31420</td>
<td>29189</td>
<td>26</td>
<td>117</td>
<td>7589</td>
<td>34151</td>
<td></td>
</tr>
<tr>
<td></td>
<td>17605</td>
<td>28900</td>
<td>27513</td>
<td>26</td>
<td>117</td>
<td>7153</td>
<td>32190</td>
<td></td>
</tr>
</tbody>
</table>

**Total**

124640 57 117549 26 117 30562 137532
Memorandum

To: Chairman, Operating Committee, OME
From: Executive Officer, OME Field Team, Region III
Subject: Royalty Payments, Docket DMEA-2446 (Uranium) Boomerang Mining Company (Bonanza, Urantah & Grandco claims) Grand County, Utah

Period: January 1959

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Liq. No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Paid</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-8-59</td>
<td>8944</td>
<td>14.438</td>
<td>$16.82</td>
<td>$16.82</td>
<td>No Bonus Due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 14.438 $16.82 $16.82

Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,679.250

J.W. Townsend

cc: Royalty File E 445 w/settlement sheets
    Chron.
<table>
<thead>
<tr>
<th>Recv. Plant</th>
<th>Vendor</th>
<th>Claim</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
<th>O₂</th>
<th>O₃</th>
<th>CaO</th>
<th>O Approximate Averages</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1619010</td>
<td>30620</td>
<td>5.7</td>
<td></td>
<td>2887500</td>
<td>17</td>
<td>137</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Detail of Payment**

<table>
<thead>
<tr>
<th>Description</th>
<th>Lbs. or Miles</th>
<th>Rate</th>
<th>Dry/Wet Tons</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ Payment</td>
<td>4909</td>
<td>290000</td>
<td>1444</td>
<td>14236</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>4909</td>
<td>50</td>
<td>1444</td>
<td>2455</td>
</tr>
<tr>
<td>Excess 4 lb Ton Prem</td>
<td>4909</td>
<td>75</td>
<td>1444</td>
<td></td>
</tr>
<tr>
<td>Excess 10 lb Ton Prem</td>
<td>4909</td>
<td>25</td>
<td>1444</td>
<td></td>
</tr>
<tr>
<td>V₂O₅ Payment</td>
<td>39559</td>
<td>31</td>
<td>1444</td>
<td>12263</td>
</tr>
<tr>
<td>Lime Penalty Over 6%</td>
<td></td>
<td></td>
<td>1444</td>
<td>CR</td>
</tr>
<tr>
<td>Haulage Allowance</td>
<td>5100</td>
<td>6</td>
<td>1531</td>
<td>4685</td>
</tr>
</tbody>
</table>

**Total U₃O₈, V₂O₅, and Haulage Payment**

$33639
<table>
<thead>
<tr>
<th>SHIP TO PLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINING CLAIM</td>
</tr>
<tr>
<td>SOURCE</td>
</tr>
</tbody>
</table>

**CORYUSITE MINE**

<table>
<thead>
<tr>
<th>DATE</th>
<th>SCALE</th>
<th>TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>212913617</td>
<td>30620</td>
<td>57</td>
<td>28875</td>
<td>17 137</td>
<td>4909 39559</td>
<td></td>
<td></td>
</tr>
<tr>
<td>212913617</td>
<td>30620</td>
<td>57</td>
<td>28875</td>
<td>17 137</td>
<td>4909 39559</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Memorandum

To: Chairman, Operating Committee, OME
From: Executive Officer; OME Field Team, Region III
Subject: Royalty Payments, Docket DMEA-2446 (Uranium) Contract 16m-E445, Boomerang Mining Co. (Bonanza, Urankah & Grand Co. claims), Grand County, Utah/

Period: November 1958

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10/29/58</td>
<td>8707</td>
<td>41.218</td>
<td>$58.17</td>
<td>$58.17</td>
<td>No</td>
<td>Bonus Due</td>
</tr>
</tbody>
</table>

Totals: 41.218 $58.17 $58.17

Past Due Royalties Collected: $15.89—per our letter of 10/29/58

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,664,812

J. W. Townsend

HMC/ad
cc: Royalty File E 445 w/settlement sheets

Chron.
# Mining Claim Details

**Bought Of:** Sunray Mining Co  
**Address:** 2708 Highway 50 South, Grand Junction, Colorado

**Corvusite Mine**

**Venderee Claim:** 1619010  
**Source:** Sunray Mining Co  
**Net Weight Pounds:** 86080  
**% H₂O:** 42  
**Dry Weight Pounds:** 8243600  
**Settlement Assay:** 21.137

### Detail of Payment

<table>
<thead>
<tr>
<th>Description</th>
<th>LBS or Miles</th>
<th>Rate</th>
<th>Dry/Wet Tons</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st LR Payment</td>
<td>16935</td>
<td>350000</td>
<td>4122</td>
<td>59273</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>16935</td>
<td>50</td>
<td>4122</td>
<td>8468</td>
</tr>
<tr>
<td>Excess 4 LB Ton Prem</td>
<td>447</td>
<td>75</td>
<td>4122</td>
<td>335</td>
</tr>
<tr>
<td>Excess 10 LB Ton Prem</td>
<td></td>
<td>25</td>
<td>4122</td>
<td></td>
</tr>
<tr>
<td>V205 Payment</td>
<td>113221</td>
<td>31</td>
<td>4122</td>
<td>35099</td>
</tr>
<tr>
<td>Lime Penalty Over 6PC</td>
<td></td>
<td></td>
<td></td>
<td>CR</td>
</tr>
<tr>
<td>Haulage Allowance</td>
<td>5100</td>
<td>06</td>
<td>4304</td>
<td>13170</td>
</tr>
</tbody>
</table>

**Total U₃O₈, V₂O₅ and Haulage Payment:** $116345

---

**OME**  
**Region III**  
**Denver, Colorado**  
**NOV 17, 1958**  
**License Number:** 20362  
**T/S:** 1  
**Period Ending:** 16/9/58
<table>
<thead>
<tr>
<th>RECEIPT PLANT</th>
<th>DATE OF RECEIPT</th>
<th>SCALE TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>GRADE</th>
<th>GRUBE</th>
<th>TONS</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2100306766</td>
<td>33440</td>
<td>38</td>
<td>32169</td>
<td>16 89</td>
<td>5147</td>
<td>28630</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2100606936</td>
<td>24740</td>
<td>35</td>
<td>23874</td>
<td>14 89</td>
<td>3342</td>
<td>21248</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2102908940</td>
<td>27900</td>
<td>54</td>
<td>26393</td>
<td>32 240</td>
<td>0446</td>
<td>63343</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL:** 86080 42 82436 21 137 16935 113221

**OFFICIAL FILE COPY**

O. M. E.

RECEIVED DEC 9 1958
Memorandum

To: Chairman, Operating Committee, OME
From: Executive Officer, OME Field Team, Region III
Subject: Royalty Payments, Docket DMEA 2446 (Uranium) E445, Boomerang Mining Co. (Bonanza, Urantah & Grandco claims), Grand County, Utah

Period: October 1958

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Liq. No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Paid</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/15/58</td>
<td>8507</td>
<td>65.789</td>
<td>$139.10</td>
<td>$139.10</td>
<td>No Bonus Due</td>
<td></td>
</tr>
<tr>
<td>9/30/58</td>
<td>8602</td>
<td>66.757</td>
<td>51.20</td>
<td>35.31*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Totals: 132.546 $190.30 $174.41*

Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,623.594

HMC: jy
cc: Royalty File E 445 w/settlement sheets
Chron.

J. W. Townsend
# Ore Settlement

## Bought of

**Sunray Mining Co**  
2708 Highway 50 South, Grand Junction, Colorado

### Minning Claim

**Corvusite Mine**  
District No. 5

<table>
<thead>
<tr>
<th>recv. plant</th>
<th>source</th>
<th>net weight pounds</th>
<th>% H₂O</th>
<th>dry weight pounds</th>
<th>settlement assays</th>
<th>approximate averages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>34</td>
<td>171</td>
</tr>
</tbody>
</table>

## Detail of Payment

<table>
<thead>
<tr>
<th></th>
<th>LBS or MILES</th>
<th>RATE</th>
<th>DRY/WET TONS</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U₃O₈ Payment</strong></td>
<td>45227</td>
<td>35000</td>
<td>6579</td>
<td>158295</td>
</tr>
<tr>
<td><strong>Development Allowance</strong></td>
<td>45227</td>
<td>50</td>
<td>6579</td>
<td>22614</td>
</tr>
<tr>
<td><strong>Excess 4 lb ton prem</strong></td>
<td>18911</td>
<td>75</td>
<td>6579</td>
<td>14183</td>
</tr>
<tr>
<td><strong>Excess 10 lb ton prem</strong></td>
<td>18911</td>
<td>25</td>
<td>6579</td>
<td></td>
</tr>
<tr>
<td><strong>V₂O₅ Payment</strong></td>
<td>225207</td>
<td>31</td>
<td>6579</td>
<td>69814</td>
</tr>
<tr>
<td><strong>Lime Penalty over 6%</strong></td>
<td>5100</td>
<td>121</td>
<td>6579</td>
<td>796165</td>
</tr>
<tr>
<td><strong>Haulage Allowance</strong></td>
<td>5100</td>
<td>06</td>
<td>6946</td>
<td>21255</td>
</tr>
</tbody>
</table>

**Total U₃O₈, V₂O₅ and Haulage Payment**  
$278200

---

**Liquidation Number**: 8507

**License Number**: P03962

**Period Ending**: 9/15/58

**Receiving Plant Codes**:
- 2: Urvan, Colo
- 3: Rifle, Colo
- 6: Green River, Utah
- 7: Slickrock, Colo

---

**O.M.E.**  
Department of the Interior  
10/10/1958

**Denver, Colorado**
<table>
<thead>
<tr>
<th>DATE</th>
<th>WEIGHT OF SHEET</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CuCO₃</th>
<th>V₂O₅</th>
<th>CuCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>2090204017</td>
<td>35360</td>
<td>36</td>
<td></td>
<td>34087</td>
<td>24.123</td>
<td>8.3</td>
<td>8.181</td>
<td>41.927</td>
<td>28.2922</td>
</tr>
<tr>
<td>2090804511</td>
<td>37600</td>
<td>79</td>
<td></td>
<td>34630</td>
<td>38.188</td>
<td>6.2</td>
<td>13.159</td>
<td>65.104</td>
<td>21.4706</td>
</tr>
<tr>
<td>2091004701</td>
<td>35560</td>
<td>47</td>
<td></td>
<td>33889</td>
<td>38.188</td>
<td>6.2</td>
<td>12.878</td>
<td>63.711</td>
<td>21.0112</td>
</tr>
<tr>
<td>2091505118</td>
<td>30400</td>
<td>47</td>
<td></td>
<td>28971</td>
<td>38.188</td>
<td>6.2</td>
<td>11.009</td>
<td>54.465</td>
<td>17.9620</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>138920</td>
<td>34.171</td>
<td>6.7</td>
<td>45.227</td>
<td>225.207</td>
<td>887.360</td>
</tr>
</tbody>
</table>

**CORVUSITE MINE**

**LOAD DETAIL SHEET**

**SUNRAY MINING CO**

2708 HIGHWAY 50 SOUTH
GRAND JUNCTION COLORADO

**CORVUSITE MINE**
**ORE SETTLEMENT**

**MINING CLAIM**

**CORVUSITE MINE**

<table>
<thead>
<tr>
<th>RECiev PLANT</th>
<th>SOURCE</th>
<th>NET WEIGHT POUNDS</th>
<th>% H₂O</th>
<th>DRY WEIGHT POUNDS</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>Ca CO₃</th>
<th>* APPROXIMATE AVERAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 1619010</td>
<td>138220</td>
<td>34</td>
<td>13351400</td>
<td>16</td>
<td>066</td>
<td>97</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DETAIL OF PAYMENT**

<table>
<thead>
<tr>
<th>TIME ALLOWANCE</th>
<th>LBS OR MILES</th>
<th>DATE</th>
<th>DRY/WET TONS</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ Payment</td>
<td>21266</td>
<td>270000</td>
<td>6676</td>
<td>57418</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>21266</td>
<td>50</td>
<td>6676</td>
<td>10633</td>
</tr>
<tr>
<td>Excess 4 LB Ton Prem</td>
<td>121266</td>
<td>75</td>
<td>6676</td>
<td></td>
</tr>
<tr>
<td>Excess 10 LB Ton Prem</td>
<td>121266</td>
<td>25</td>
<td>6676</td>
<td></td>
</tr>
<tr>
<td>V₂O₅ Payment</td>
<td>88048</td>
<td>31</td>
<td>6676</td>
<td>37245</td>
</tr>
<tr>
<td>Lime Penalty Over 6%</td>
<td>140866</td>
<td>211</td>
<td>6676</td>
<td>140866</td>
</tr>
<tr>
<td>Haulage Allowance</td>
<td>51000</td>
<td>06</td>
<td>6911</td>
<td>21148</td>
</tr>
</tbody>
</table>

**DEPARTMENT OF THE INTERIOR**

**REGION III**

**DENVER, COLORADO**

**Total U₃O₈, V₂O₅ and Haulage Payment**

$102408
**Union Carbide Nuclear Company**  
**Division of Union Carbide Corporation**  

**Load Detail Sheet**

**Name and Address**  
Sunray Mining Co  
2708 Highway 50 South  
Grand Junction, Colorado

**Mining Claim**  
Corvusite Mine

<table>
<thead>
<tr>
<th>RECEIPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>20927</td>
</tr>
<tr>
<td>20928</td>
</tr>
<tr>
<td>20930</td>
</tr>
<tr>
<td>20930</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of Receipt</th>
<th>Scale Ticket Number</th>
<th>Pounds ORE</th>
<th>Pounds H₂O</th>
<th>Pounds DRY ORE</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CoCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CoCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>20927</td>
<td>06172</td>
<td>37140</td>
<td>37</td>
<td>35766</td>
<td>13</td>
<td>74</td>
<td>86</td>
<td>4650</td>
<td>26467</td>
<td>307582</td>
</tr>
<tr>
<td>20928</td>
<td>06263</td>
<td>31960</td>
<td>34</td>
<td>30873</td>
<td>17</td>
<td>63</td>
<td>101</td>
<td>5248</td>
<td>19450</td>
<td>311817</td>
</tr>
<tr>
<td>20930</td>
<td>06409</td>
<td>34740</td>
<td>28</td>
<td>33767</td>
<td>17</td>
<td>63</td>
<td>101</td>
<td>5740</td>
<td>21273</td>
<td>341047</td>
</tr>
<tr>
<td>20930</td>
<td>06496</td>
<td>34380</td>
<td>37</td>
<td>33108</td>
<td>17</td>
<td>63</td>
<td>101</td>
<td>5623</td>
<td>20858</td>
<td>334391</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RECEIPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>20927</td>
</tr>
<tr>
<td>20928</td>
</tr>
<tr>
<td>20930</td>
</tr>
<tr>
<td>20930</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of Receipt</th>
<th>Scale Ticket Number</th>
<th>Pounds ORE</th>
<th>Pounds H₂O</th>
<th>Pounds DRY ORE</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CoCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CoCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>20927</td>
<td>06172</td>
<td>37140</td>
<td>37</td>
<td>35766</td>
<td>13</td>
<td>74</td>
<td>86</td>
<td>4650</td>
<td>26467</td>
<td>307582</td>
</tr>
<tr>
<td>20928</td>
<td>06263</td>
<td>31960</td>
<td>34</td>
<td>30873</td>
<td>17</td>
<td>63</td>
<td>101</td>
<td>5248</td>
<td>19450</td>
<td>311817</td>
</tr>
<tr>
<td>20930</td>
<td>06409</td>
<td>34740</td>
<td>28</td>
<td>33767</td>
<td>17</td>
<td>63</td>
<td>101</td>
<td>5740</td>
<td>21273</td>
<td>341047</td>
</tr>
<tr>
<td>20930</td>
<td>06496</td>
<td>34380</td>
<td>37</td>
<td>33108</td>
<td>17</td>
<td>63</td>
<td>101</td>
<td>5623</td>
<td>20858</td>
<td>334391</td>
</tr>
</tbody>
</table>

**Total**

<table>
<thead>
<tr>
<th>Date of Receipt</th>
<th>Scale Ticket Number</th>
<th>Pounds ORE</th>
<th>Pounds H₂O</th>
<th>Pounds DRY ORE</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CoCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CoCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>20927</td>
<td>06172</td>
<td>37140</td>
<td>37</td>
<td>35766</td>
<td>13</td>
<td>74</td>
<td>86</td>
<td>4650</td>
<td>26467</td>
<td>307582</td>
</tr>
<tr>
<td>20928</td>
<td>06263</td>
<td>31960</td>
<td>34</td>
<td>30873</td>
<td>17</td>
<td>63</td>
<td>101</td>
<td>5248</td>
<td>19450</td>
<td>311817</td>
</tr>
<tr>
<td>20930</td>
<td>06409</td>
<td>34740</td>
<td>28</td>
<td>33767</td>
<td>17</td>
<td>63</td>
<td>101</td>
<td>5740</td>
<td>21273</td>
<td>341047</td>
</tr>
<tr>
<td>20930</td>
<td>06496</td>
<td>34380</td>
<td>37</td>
<td>33108</td>
<td>17</td>
<td>63</td>
<td>101</td>
<td>5623</td>
<td>20858</td>
<td>334391</td>
</tr>
</tbody>
</table>

**Total**

<table>
<thead>
<tr>
<th>Date of Receipt</th>
<th>Scale Ticket Number</th>
<th>Pounds ORE</th>
<th>Pounds H₂O</th>
<th>Pounds DRY ORE</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CoCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>20927</td>
<td>06172</td>
<td>37140</td>
<td>37</td>
<td>35766</td>
<td>13</td>
<td>74</td>
<td>86</td>
</tr>
<tr>
<td>20928</td>
<td>06263</td>
<td>31960</td>
<td>34</td>
<td>30873</td>
<td>17</td>
<td>63</td>
<td>101</td>
</tr>
<tr>
<td>20930</td>
<td>06409</td>
<td>34740</td>
<td>28</td>
<td>33767</td>
<td>17</td>
<td>63</td>
<td>101</td>
</tr>
<tr>
<td>20930</td>
<td>06496</td>
<td>34380</td>
<td>37</td>
<td>33108</td>
<td>17</td>
<td>63</td>
<td>101</td>
</tr>
</tbody>
</table>

Total: 138220 34 133514 16 66 97 21266 880481294843
Memorandum

To: Chairman, Operating Committee, OME
From: Executive Officer, OME Field Team, Region III
Subject: Royalty Payments, Docket DMEA 2446 (Uranium) Contract Jdm-E449, Boomerang Mining Co. (Bonanza, Urantah & Grandco Claims) Grand County, Utah

Period: September 1958

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Liq. No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Due</th>
<th>Bonus Paid</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/29/58</td>
<td>8428</td>
<td>101.472</td>
<td>$214.91</td>
<td>$214.91</td>
<td>No! Bonus Due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 101.472 $214.91 $214.91

Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,491.048

E.M. Hendricks
Acting Executive Officer

cc: Royalty File E 445 w/settlement sheets
Chron.

HMC: jy
## Ore Settlement

**Bought of:**
SUNRAY MINING CO  
2708 HIGHWAY 50 SOUTH  
GRAND JUNCTION COLORADO

**Mining Claim:**  
CORVUSITE MINE

<table>
<thead>
<tr>
<th>RECY PLANT</th>
<th>VENDOR</th>
<th>CLAIM</th>
<th>NET WEIGHT</th>
<th>$% H₂O</th>
<th>DRY WEIGHT</th>
<th>SETTLEMENT ALLOWANCE</th>
<th>APPEARENT AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>161301</td>
<td>00</td>
<td>212340</td>
<td>44</td>
<td>2294400</td>
<td>34</td>
<td>46</td>
</tr>
</tbody>
</table>

### Detail of Payment

<table>
<thead>
<tr>
<th></th>
<th>Net Weight</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U3O₈ Payment</td>
<td>68417</td>
<td>239460</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>168417</td>
<td>34209</td>
</tr>
<tr>
<td>Excess 4 LB Ton Prem</td>
<td>27839</td>
<td>20872</td>
</tr>
<tr>
<td>Excess 10 LB Ton Prem</td>
<td>331597</td>
<td>102795</td>
</tr>
<tr>
<td>V205 Payment</td>
<td>5100</td>
<td>32486</td>
</tr>
</tbody>
</table>

**Total U₃O₈, V₂O₅, and Haulage Payment:**  
429824
### Load Data Sheet

**SUNRAY MINING CO**  
**2708 HIGHWAY 50 SOUTH**  
**GRAND JUNCTION COLORADO**

#### Corvusite Mine

| L.O. | Grade | Pod NOS  
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2081302450</td>
<td>30475</td>
<td>28143</td>
<td>85333</td>
<td>43579</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2081502679</td>
<td>33300</td>
<td>26143</td>
<td>93240</td>
<td>47619</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2081902998</td>
<td>34854</td>
<td>28143</td>
<td>97590</td>
<td>49841</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2082503533</td>
<td>36499</td>
<td>28143</td>
<td>10220</td>
<td>52194</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2082603576</td>
<td>32313</td>
<td>43170</td>
<td>13895</td>
<td>54932</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2082903836</td>
<td>35503</td>
<td>47235</td>
<td>16686</td>
<td>83432</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total**  

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>212340</td>
<td>44</td>
<td>34163</td>
<td>68417</td>
<td>331597</td>
<td></td>
</tr>
</tbody>
</table>
DEPARTMENT OF THE INTERIOR

SEP 11 1958
REGION III
DENVER, COLORADO
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket DMEA-2446 (Uranium) Contract Idm-E445, Boomerang Mining Co. (Bonanza, Urantah & Grandco claims) Grand County, Utah

Period: August 1958

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8/7/58</td>
<td>8311</td>
<td>79.949</td>
<td>$130.09</td>
<td>$130.09</td>
<td>No Bonus Due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 79.949 $130.09 $130.09

Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,389.576

cc: Royalty File E445 w/settlement sheets
    Monthly Royalty Payment File
    Chron.

Alternate Acting Executive Officer
### Ore Settlement

**Bought of:**
SUNRAY MINING CO
BOX 67
NATURITA COLORADO

**Mining Claim:**
CORVUSITE MINE

**Receiving Plant Codes:**
2. URAVAN, COLO
3 & 4. RIFLE, COLO
6. GREEN RIVER, UTAH
7. STICKROCK, COLO

<table>
<thead>
<tr>
<th>Source</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
<th>Settlemt Assays</th>
<th>* Approximate Averages</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1619010</td>
<td>170220</td>
<td>61 15989700</td>
<td>29 105 73</td>
<td></td>
</tr>
</tbody>
</table>

#### Detail of Payment

<table>
<thead>
<tr>
<th>LBS. OR MILES</th>
<th>RATE</th>
<th>DRY/WET TONS</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>46006</td>
<td>350000</td>
<td>79 95</td>
<td>161021</td>
</tr>
<tr>
<td>46006</td>
<td>50</td>
<td>79 95</td>
<td>23003</td>
</tr>
<tr>
<td>14026</td>
<td>75</td>
<td>79 95</td>
<td>10530</td>
</tr>
<tr>
<td>14026</td>
<td>25</td>
<td>79 95</td>
<td></td>
</tr>
<tr>
<td>167445</td>
<td>31</td>
<td>79 95</td>
<td>51908</td>
</tr>
<tr>
<td>154</td>
<td></td>
<td>79 95</td>
<td>123120</td>
</tr>
<tr>
<td>5100</td>
<td>06</td>
<td>85 11</td>
<td>26044</td>
</tr>
</tbody>
</table>

---

**DMEA**

DEPARTMENT OF THE INTERIOR

AUG 1, 18 1958

REICHAD OF THE INTERIOR

DENVER, COLORADO

TOTAL U₃O₈, V₇O₅, and Haulage Payment $260184
<table>
<thead>
<tr>
<th>Date of Receipt</th>
<th>Scale Ticket Number</th>
<th>Pounds ORE</th>
<th>% H2O</th>
<th>Pounds Dry ORE</th>
<th>Grade</th>
<th>Pounds</th>
<th>U3O8</th>
<th>V2O5</th>
<th>CaCO3</th>
<th>U3O8</th>
<th>V2O5</th>
<th>CaCO3</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/19/63</td>
<td>31302</td>
<td>36580</td>
<td>51</td>
<td>34714</td>
<td>32</td>
<td>114</td>
<td>78</td>
<td>39574</td>
<td>270769</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>07/25/63</td>
<td>000517</td>
<td>33680</td>
<td>38</td>
<td>32400</td>
<td>32</td>
<td>114</td>
<td>78</td>
<td>36936</td>
<td>252720</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>07/27/63</td>
<td>00904</td>
<td>32760</td>
<td>44</td>
<td>31319</td>
<td>32</td>
<td>114</td>
<td>78</td>
<td>35704</td>
<td>244288</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>07/29/63</td>
<td>01181</td>
<td>31040</td>
<td>59</td>
<td>29209</td>
<td>32</td>
<td>114</td>
<td>78</td>
<td>33298</td>
<td>227350</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>07/31/63</td>
<td>01352</td>
<td>30160</td>
<td>108</td>
<td>32255</td>
<td>16</td>
<td>68</td>
<td>78</td>
<td>21933</td>
<td>251589</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>08/20/63</td>
<td>159827</td>
<td>170220</td>
<td>61</td>
<td>159827</td>
<td>29</td>
<td>105</td>
<td>78</td>
<td>46006</td>
<td>1674451247196</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket DMEA-2446 (Uranium) Contract Idm-E445, Boomerang Mining Co. (Bonanza, Uranah & Grandco claims) Grand County, Utah
Period: July 1958

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6/24/58</td>
<td>8135</td>
<td>16.231</td>
<td>$32.88</td>
<td>$32.88</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7/9/58</td>
<td>4286</td>
<td>45.572</td>
<td>82.10</td>
<td>82.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/30/58</td>
<td>8193</td>
<td>92.766</td>
<td>193.06</td>
<td>193.06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7/13/58</td>
<td>8229</td>
<td>16.817</td>
<td>30.34</td>
<td>30.34</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Totals: 171.386 $338.38 $338.38

Past Due Royalties Collected:

Total Dry Tons (Ore or Cons.) Shipped to Date: 3309.627

J. W. Townsend
Alternate Acting Executive Officer

cc: Royalty File E 445 w/settlement sheets
Monthly Royalty Payment File Chron.
**ORE SETTLEMENT**

**MINING CLAIM**

**CORVUSITE 3**

<table>
<thead>
<tr>
<th>RECEIVING PLANT CODES</th>
<th>A.E.C. DISTRICT NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 URAVAN COLO</td>
<td>5</td>
</tr>
<tr>
<td>3 &amp; 4 RIFLE, COLO.</td>
<td></td>
</tr>
<tr>
<td>6 GREEN RIVER, UTAH</td>
<td></td>
</tr>
<tr>
<td>7 MECKROCK, COLO.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>NET WEIGHT POUNDS</th>
<th>% H₂O</th>
<th>DRY WEIGHT POUNDS</th>
<th>SETTLEMENT ASSAYS</th>
<th>* APPROXIMATE AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>2 0069030</td>
<td>33920</td>
<td>43</td>
<td>3246100</td>
<td>32</td>
<td>160</td>
</tr>
</tbody>
</table>

**DETAILED OF PAYMENT**

<table>
<thead>
<tr>
<th>LBS OR MILES</th>
<th>DRY/WET TONS</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ PAYMENT</td>
<td>10388</td>
<td>36358</td>
</tr>
<tr>
<td>DEVELOPMENT ALLOWANCE</td>
<td>10388</td>
<td>5194</td>
</tr>
<tr>
<td>EXCESS 4 LB TON PREM</td>
<td>3896</td>
<td>2922</td>
</tr>
<tr>
<td>EXCESS 10 LB TON PREM</td>
<td>51938</td>
<td>1610</td>
</tr>
<tr>
<td>V₂O₅ PAYMENT</td>
<td>5100</td>
<td>5190</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIME PENALTY OVER 6PC</th>
<th>TOTAL U₃O₈, V₂O₅, AND HAULAGE PAYMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>10388</td>
<td>$65765</td>
</tr>
</tbody>
</table>

**DMEA**

**DEPARTMENT OF THE INTERIOR**

**REGION III**

**DENVER, COLORADO**

**PAYMENT**

**LIQUIDATION NUMBER**

8135
**LOAD DETAIL SHEET**

**NAME AND ADDRESS**
S. D. NEY J. B. E K S  
NATURITA, COLORADO

**SOURCE**
69030

**RECEIVING PLANT CODES**
2. URAVAN, COLO.
3 & 4. RIFLE, COLO.
6. GREEN RIVER, UTAH.
7. SLICKROCK, COLO.

<table>
<thead>
<tr>
<th>MINING CLAIM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CORVUSITE 3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RCY PLANT</th>
<th>SCALE</th>
<th>POUNDS ORE</th>
<th>% H2O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>33920</td>
<td>43</td>
<td>32461</td>
<td>32 160</td>
<td>10488 51938</td>
</tr>
<tr>
<td>2061225715</td>
<td>1015</td>
<td>33920</td>
<td>43</td>
<td>32461</td>
<td>32 160</td>
<td>10488 51938</td>
</tr>
</tbody>
</table>

**DATE OF RECEIPT**
2061225715

**SCALE TICKET NUMBER**
1015

**WEIGHTS**
- **ORE**:
  - 33920 pounds
  - 32461 pounds

**GRADE**
- **U3O8**
  - 32
  - 10488 pounds
- **V2O5**
  - 160
  - 51938 pounds
- **CoCO3**
  - 0

**PERIOD ENDING**
6/1/58
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2.11</td>
<td>.9</td>
<td>2.27:12</td>
<td>0.37</td>
<td>1.71</td>
<td>1.59</td>
<td>113.25</td>
<td>525.69</td>
<td>2640.27</td>
</tr>
<tr>
<td>2</td>
<td>2.05</td>
<td>3.5</td>
<td>2.95:10</td>
<td>0.33</td>
<td>1.55</td>
<td>5.47</td>
<td>92.29</td>
<td>457.41</td>
<td>1614.20</td>
</tr>
<tr>
<td>3</td>
<td>2.26</td>
<td>4.3</td>
<td>3.08:92</td>
<td>0.27</td>
<td>1.42</td>
<td>2.29</td>
<td>83.41</td>
<td>438.67</td>
<td>2252.69</td>
</tr>
<tr>
<td>TOTAL</td>
<td>7.52</td>
<td>4.28</td>
<td>9.11:6</td>
<td>0.92</td>
<td>5.25</td>
<td>14.24</td>
<td>229.54</td>
<td>1421.27</td>
<td>4526.99</td>
</tr>
</tbody>
</table>

**Settlement Assays**

<table>
<thead>
<tr>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈</td>
</tr>
<tr>
<td>Per Lb.</td>
</tr>
<tr>
<td>$294.54</td>
</tr>
<tr>
<td>Development Allowance</td>
</tr>
<tr>
<td>Premium in excess of 4% per ton</td>
</tr>
<tr>
<td>Less: 50% Tons @ 4%</td>
</tr>
<tr>
<td>Total Lbs. U₃O₈</td>
</tr>
<tr>
<td>Premium Lbs.</td>
</tr>
<tr>
<td>Less: Tons @ 10%</td>
</tr>
<tr>
<td>Total Lbs. U₃O₈</td>
</tr>
<tr>
<td>Premium Lbs.</td>
</tr>
<tr>
<td>Total U₃O₈ Payment</td>
</tr>
</tbody>
</table>

**Haulage Allowance**

<table>
<thead>
<tr>
<th>V₂O₅</th>
</tr>
</thead>
<tbody>
<tr>
<td>Per Lb.</td>
</tr>
<tr>
<td>$1421.27</td>
</tr>
<tr>
<td>Less: Excess Lime Charge</td>
</tr>
<tr>
<td>TOTAL GROSS PRICE</td>
</tr>
</tbody>
</table>

**Deductions:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haulage Allowance</td>
<td>$1440.75</td>
</tr>
<tr>
<td>Total</td>
<td>$1642.05</td>
</tr>
</tbody>
</table>

**Net Proceeds**

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1191.43</td>
</tr>
</tbody>
</table>

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for same due to me on account of the ore delivered as described herein.

Buyer assumes govern if Seller fails to submit his assays to acceptance of payment.
All rates paid based on U. S. Atomic Energy Commission Published Schedules.

---

**DMEA**

**Department of the Interior**

**Region III**

**Denver, Colorado**

**1193**

**2418.43**
# Ore Settlement

<table>
<thead>
<tr>
<th>Mining Claim</th>
<th>Corvusite 3</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Receipt Plant</th>
<th>Source</th>
<th>Vendor</th>
<th>Claim</th>
<th>Net Weight (Pounds)</th>
<th>% H₂O</th>
<th>Dry Weight (Pounds)</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Settlement Assays</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>194420</td>
<td>40</td>
<td>18553200</td>
<td>3.3</td>
<td>165</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Detail of Payment</th>
<th>LBS or Miles</th>
<th>Rate</th>
<th>Dry/Wet Tons</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ Payment</td>
<td>60871</td>
<td>35000</td>
<td>9277</td>
<td>213049</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>60871</td>
<td>50</td>
<td>9277</td>
<td>30436</td>
</tr>
<tr>
<td>Excess 4LB Ton Prem</td>
<td>23763</td>
<td>75</td>
<td>9277</td>
<td>17822</td>
</tr>
<tr>
<td>Excess 10LB Ton Prem</td>
<td>306676</td>
<td>31</td>
<td>9277</td>
<td>95070</td>
</tr>
<tr>
<td>V₂O₅ Payment</td>
<td>5100</td>
<td>06</td>
<td>9721</td>
<td>29746</td>
</tr>
</tbody>
</table>

Total U₃O₈, V₂O₅, and Haulage Payment $386123
<table>
<thead>
<tr>
<th>RECEIVING PLANT CODES</th>
<th>CODE</th>
<th>PLANT NAME</th>
<th>CITY</th>
<th>STATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>IRA VAM, COLO</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>RIFLE, COLO</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>GREEN RIVER, UT</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>4</td>
<td>7</td>
<td>SLICKROCK, COLO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LOAD DETAIL SHEET**

**SOURCE:**
- 1/5
- 69030
- 0163058

**MINING CLAIM**
- CORTUSITE 3
- SIDNEY J. BEERS
- NATURITA, COLORADO

**NAME AND ADDRESS**

**LOAD DETAIL SHEET**

<table>
<thead>
<tr>
<th>SCALE</th>
<th>DATE OF RECEIPT</th>
<th>FOUNDS ORE</th>
<th>% H₂O</th>
<th>FOUNDS DRY ORE</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2061929143</td>
<td>33220</td>
<td>50</td>
<td>31559</td>
<td>33</td>
<td>159</td>
<td></td>
<td>10414</td>
<td>50179</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2061929214</td>
<td>32160</td>
<td>42</td>
<td>30809</td>
<td>33</td>
<td>159</td>
<td></td>
<td>10167</td>
<td>48986</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2062129330</td>
<td>31920</td>
<td>36</td>
<td>30771</td>
<td>33</td>
<td>159</td>
<td></td>
<td>10154</td>
<td>48926</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2061629613</td>
<td>33700</td>
<td>47</td>
<td>31640</td>
<td>33</td>
<td>159</td>
<td></td>
<td>10441</td>
<td>50308</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2062729735</td>
<td>28600</td>
<td>40</td>
<td>27199</td>
<td>33</td>
<td>159</td>
<td></td>
<td>7616</td>
<td>43518</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2063029427</td>
<td>35320</td>
<td>50</td>
<td>33554</td>
<td>36</td>
<td>193</td>
<td></td>
<td>12079</td>
<td>64759</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL:**
- 194420
- 185532
- 33 165
- 60871
- 306675

**GRADE**
- U₃O₈
- V₂O₅
- CaCO₃

**POUNDS**
- U₃O₈
- V₂O₅
- CaCO₃

**SOURCE**
- UNION CARBIDE NUCLEAR COMPANY
- DIVISION OF UNION CARBIDE CORPORATION
- LOAD DETAIL SHEET
**ORE SETTLEMENT**

**Bought Of**
SUNRAY MINING CO
BOX 67
NATURITA COLORADO

**Mining Claim**
CORVUSITE MINE

<table>
<thead>
<tr>
<th>RECEY</th>
<th>SOURCE</th>
<th>NET WEIGHT</th>
<th>% H₂O</th>
<th>DRY WEIGHT</th>
<th>SETTLEMENT ASSAYS</th>
<th>* APPROXIMATE AVERAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLANT</td>
<td>VENDOR</td>
<td>POUNDS</td>
<td></td>
<td>POUNDS</td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>2</td>
<td>1619010</td>
<td>35440</td>
<td>51</td>
<td>336300</td>
<td></td>
<td>29</td>
</tr>
</tbody>
</table>

**Detail of Payment**

- **U₃O₈ Payment**
  - LBS: 9454
  - DRY: 1682
  - VALUE: 34139

- **Development Allowance**
  - LBS: 9754
  - DRY: 1682
  - VALUE: 4877

- **Excess 4 LB Ton Prem**
  - LBS: 3026
  - DRY: 1682
  - VALUE: 2270

- **Excess 10 LB Ton Prem**
  - LBS: 45068
  - DRY: 1682
  - VALUE: 13971

- **V205 Payment**
  - LBS: 45068
  - DRY: 1682
  - VALUE: 13971

- **Lime Penalty Over 6%**
  - LBS: 5100
  - DRY: 1772
  - VALUE: 5422

**DMEA**
DEPARTMENT OF THE INTERIOR
JUL 29 1958
REGION III
DENVER, COLORADO

TOTAL U₃O₈, V₂O₅, and HAULAGE PAYMENT: $60679
<table>
<thead>
<tr>
<th>RECEIPT</th>
<th>DATE OF RECEIPT</th>
<th>SCALE TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>38440</td>
<td>51</td>
<td>33633</td>
<td>U₃O₈ V₂O₅ CoCO₃</td>
<td>9754</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>38440</td>
<td>51</td>
<td>33633</td>
<td>U₃O₈ V₂O₅ CoCO₃</td>
<td>9754</td>
</tr>
</tbody>
</table>

| SOURCE | 1619010 | PERIOD ENDING | 1 | 7.358 |

RECEIVING PLANT CODES:
1. JAYAN CO.
2. PINE COLO
3. GREEN RIVER UTAH
4. SULPHUR HOLLO
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket No. DMEA 2446 (Uranium) Contract No. Idm-E445, Boomerang Mining Co. (Bonanza et al. claims) Grand County, Utah

Period: June 1958

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5/31/58</td>
<td>8088</td>
<td>145.369</td>
<td>$297.22</td>
<td>$297.22</td>
<td>No Bonus Due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 145.369 $297.22 $297.22

Past Due Royalties Collected: 2970.193

Total Dry Tons (Ore or Cons.) Shipped to Date: 3,115.562

Alternate Acting Executive Officer
<table>
<thead>
<tr>
<th>RECEIVING PLANT</th>
<th>VENDOR</th>
<th>CLAIM</th>
<th>NET WEIGHT POUNDS</th>
<th>% H₂O</th>
<th>DRY WEIGHT POUNDS</th>
<th>U₃Ο₈</th>
<th>V₂Ο₅</th>
<th>CO₂</th>
<th>SETTLEMENT ASSAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 006 093 30</td>
<td>304 120</td>
<td>44</td>
<td>290 736 00</td>
<td>35</td>
<td>141</td>
<td>80</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DETAIL OF PAYMENT</th>
<th>LBS OR MILES</th>
<th>RATE</th>
<th>DRY/WET TON</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃Ο₈ PAYMENT</td>
<td>102 722</td>
<td>350 000</td>
<td>14 537</td>
<td>359 527</td>
</tr>
<tr>
<td>DEVELOPMENT ALLOWANCE</td>
<td>102 722</td>
<td>50</td>
<td>14 537</td>
<td>513 61</td>
</tr>
<tr>
<td>EXCESS 4 LB TON PREM</td>
<td>44 574</td>
<td>75</td>
<td>14 537</td>
<td>334 31</td>
</tr>
<tr>
<td>EXCESS 10 LB TON PREM</td>
<td>00 000 00</td>
<td>25</td>
<td>14 537</td>
<td></td>
</tr>
<tr>
<td>V₂Ο₅ PAYMENT</td>
<td>409 213</td>
<td>31</td>
<td>14 537</td>
<td>126 856</td>
</tr>
<tr>
<td>LIME PENALTY OVER 6PC</td>
<td>160</td>
<td>14 537</td>
<td>23 259</td>
<td></td>
</tr>
<tr>
<td>HAULAGE ALLOWANCE</td>
<td>51 00</td>
<td>6</td>
<td>152 06</td>
<td>465 30</td>
</tr>
</tbody>
</table>

TOTAL U₃Ο₈, V₂Ο₅, and HAULAGE PAYMENT $59 44 46
<table>
<thead>
<tr>
<th>REC. PLANT</th>
<th>DATE OF RECEIPT</th>
<th>SCALE TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CoCO₃</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>20517</td>
<td>26198</td>
<td>34980</td>
<td>32671</td>
<td>66</td>
<td>31 138</td>
<td>31</td>
<td>10128</td>
<td>45086</td>
<td>264635</td>
<td></td>
</tr>
<tr>
<td>20518</td>
<td>26293</td>
<td>33200</td>
<td>31573</td>
<td>49</td>
<td>31 138</td>
<td>31</td>
<td>9768</td>
<td>43571</td>
<td>255741</td>
<td></td>
</tr>
<tr>
<td>20521</td>
<td>26541</td>
<td>37920</td>
<td>36744</td>
<td>31</td>
<td>31 133</td>
<td>31</td>
<td>11391</td>
<td>50707</td>
<td>297626</td>
<td></td>
</tr>
<tr>
<td>20524</td>
<td>26798</td>
<td>35020</td>
<td>33304</td>
<td>49</td>
<td>31 138</td>
<td>31</td>
<td>10324</td>
<td>45960</td>
<td>269762</td>
<td></td>
</tr>
<tr>
<td>20528</td>
<td>27107</td>
<td>33480</td>
<td>32241</td>
<td>37</td>
<td>31 138</td>
<td>31</td>
<td>12896</td>
<td>45782</td>
<td>245032</td>
<td></td>
</tr>
<tr>
<td>20528</td>
<td>27123</td>
<td>31400</td>
<td>30364</td>
<td>33</td>
<td>31 138</td>
<td>31</td>
<td>12146</td>
<td>43117</td>
<td>230766</td>
<td></td>
</tr>
<tr>
<td>20528</td>
<td>27161</td>
<td>36000</td>
<td>34416</td>
<td>44</td>
<td>31 138</td>
<td>31</td>
<td>13766</td>
<td>48871</td>
<td>261562</td>
<td></td>
</tr>
<tr>
<td>20531</td>
<td>27306</td>
<td>25660</td>
<td>24788</td>
<td>34</td>
<td>34 149</td>
<td>34</td>
<td>8428</td>
<td>36934</td>
<td>247880</td>
<td></td>
</tr>
<tr>
<td>20531</td>
<td>27345</td>
<td>34640</td>
<td>34637</td>
<td>50</td>
<td>34 142</td>
<td>34</td>
<td>13655</td>
<td>49185</td>
<td>263241</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>304120</td>
<td>290738</td>
<td>44</td>
<td>35 141</td>
<td>35</td>
<td>102722</td>
<td>40921323362454</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty Payments, Docket No. DMEA 2446 (Uranium) Contract
Idm-E445, Boomerang Mining Company, (Bonanza, Urantah &
Grandco claims) Grand County, Utah

Period: May 1958

Enclosed are settlement sheets for which royalty payments
were received for ore or concentrates shipped from the subject property
during the above month:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4/28/58</td>
<td>7963</td>
<td>14.488</td>
<td>$23.63</td>
<td>$23.63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/28-4/27/58</td>
<td>40108</td>
<td>27.553</td>
<td>$41.37</td>
<td>$41.37</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>&quot;</td>
<td>4081</td>
<td>38.706</td>
<td>55.31</td>
<td>55.31</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>5/7/58</td>
<td>7993</td>
<td>44.944</td>
<td>49.28</td>
<td>49.28</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>5/7/58</td>
<td>7994</td>
<td>15.789</td>
<td>29.04</td>
<td>29.04</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>4/28-5/15/58</td>
<td>5-0-26</td>
<td>26.568</td>
<td>35.99</td>
<td>35.99</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

Totals: 168.048 $234.62 $234.62

Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 3138.241

Alternate Acting Executive Officer

cc: Royalty File E 445 w/settlement sheets
Monthly Royalty Payment File
hmh
# ORE SETTLEMENT

## MINING CLAIM

**CORVISITE 3**

<table>
<thead>
<tr>
<th>RECIEVING PLANT</th>
<th>VENDOR</th>
<th>CLAIM</th>
<th>NET WEIGHT POUNDS</th>
<th>% H₂O</th>
<th>DRY WEIGHT POUNDS</th>
<th>SETTLEMENT ASSAYS</th>
<th>* APPROXIMATE AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>006930</td>
<td>3</td>
<td>30760</td>
<td>5.8</td>
<td>28560</td>
<td>U₃O₈, V₂O₅, CoCO₃</td>
<td>4</td>
</tr>
</tbody>
</table>

### DETAIL OF PAYMENT

<table>
<thead>
<tr>
<th></th>
<th>18 OR MILES</th>
<th>RATE</th>
<th>DRY/WET TONS</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ PAYMENT</td>
<td>7244</td>
<td>3500000</td>
<td>1449</td>
<td>25354</td>
</tr>
<tr>
<td>DEVELOPMENT ALLOWANCE</td>
<td>7244</td>
<td>50</td>
<td>1449</td>
<td>3622</td>
</tr>
<tr>
<td>EXCESS 4LB TON PREM</td>
<td>1448</td>
<td>75</td>
<td>1449</td>
<td>1086</td>
</tr>
<tr>
<td>EXCESS 10LB TON PREM</td>
<td></td>
<td></td>
<td>1449</td>
<td></td>
</tr>
<tr>
<td>V₂O₅ PAYMENT</td>
<td>60277</td>
<td>31</td>
<td>1449</td>
<td>12486</td>
</tr>
</tbody>
</table>

**LIME PENALTY OVER 30%**

**HAULAGE ALLOWANCE**

**TOTAL U₃O₈, V₂O₅ AND HAULAGE PAYMENT**

$47254
**NAME AND ADDRESS**

**SIDNEY J BEEKS**
**NATURITA COLORADO**

**MINING CLAIM**

<table>
<thead>
<tr>
<th>RECEIPT</th>
<th>DATE OF RECEIPT</th>
<th>SCALE TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>% H2O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>POUNDS</th>
<th>FOUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2041523074</td>
<td>30760</td>
<td>58</td>
<td>28976</td>
<td>25</td>
<td>1:39</td>
<td>7244</td>
<td>40277</td>
<td></td>
</tr>
<tr>
<td>30760</td>
<td>58</td>
<td>28976</td>
<td>25</td>
<td>1:39</td>
<td>7244</td>
<td>40277</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**RECEIVING PLANT CODES**

2. URAX, COLA
3 & 4. RIFLE, MICO
5. GREEN RIVER, UTAH
7. SISKIYOU, COLO

**DMEA**
**DEPARTMENT OF THE INTERIOR**
**REGION III**
**DENVER, COLORADO**

**DATE**: JUN 9, 1958

**INITIALS**: COBE

**SIGNATURE**:

**DATE**: MAY 1, 1958
VANADIUM CORPORATION OF AMERICA

Type of Ore: Vanadium

Deliveries to: Durango, Colorado

Settlement Sheet

Purchased from: Lester Sage, Durango, Colorado

Settlement covering various lots beginning No. 5826 Ending No. 68867

<table>
<thead>
<tr>
<th>NET WEIGHT</th>
<th>H2O</th>
<th>DRY WEIGHT</th>
<th>V205</th>
<th>U308</th>
<th>CaCO3</th>
</tr>
</thead>
<tbody>
<tr>
<td>POUNDS</td>
<td>%</td>
<td>POUNDS</td>
<td>%</td>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>58430</td>
<td></td>
<td>55106</td>
<td>1.22</td>
<td>0.27</td>
<td>6.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TONS</td>
<td></td>
<td>TONS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29.2150</td>
<td></td>
<td>27.5330</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Averaged with Durango - results no lime penalty

V205 1.22 % 670 lbs. at $2.31 Per Lb. $207.70

Less High Lime Penalty

Total Value V205 $207.70

U308 0.27 % 147.86 lbs. at $3.50 Per Lb. $517.51

Content at 4 lbs. per ton 110.22 lbs.

Premium for lbs in excess of 4 lbs. per ton 37.65 lbs. at 75c Per Lb. $28.24

Content at 10 lbs. per ton

Premium for lbs in excess of 10 lbs. per ton

Total Value U308 $545.75

Development Allowance 147.86 lbs. at 50c Per Lb. $73.93

Haulage Allowance Hauled by: Valo

TOTAL GROSS VALUE $827.38

Less Royalty %V205 ( ) %U308 ( ) $827.38

Less Accounts Receivable Lester Sage

TOTAL NET PAYMENT $228.19

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the ore described in this settlement sheet and have legal right to deliver the same to the Vanadium Corporation of America. I certify that I hold A.E.C. Source Material License numbered above. I hereby transfer to the Vanadium Corporation of America, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore. I agree to save Vanadium Corporation of America harmless in the event my right to convey title is contested. I will accept the amount as shown above as "Total Gross Value" in full settlement.

DMEA

DEPARTMENT OF THE INTERIOR

MAY 9, 1958

REGION III

DENVER, COLORADO

Seller or Agent
<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Claim</th>
<th>Stockpile No.</th>
<th>Hauler</th>
<th>Gross Wt. Pounds</th>
<th>% H₂O</th>
<th>Dry Wt. Pounds</th>
<th>% CaCO₃</th>
<th>% CaCO₃ Pounds</th>
<th>% V₂O₅</th>
<th>V₂O₅ Pounds</th>
<th>% U₃O₈</th>
<th>U₃O₈ Pounds</th>
<th>% Dev.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/14</td>
<td>88826</td>
<td>28-10 Kramer</td>
<td>27010</td>
<td>3.1</td>
<td>26011</td>
<td>5.9</td>
<td>1535</td>
<td>1.1</td>
<td>281</td>
<td></td>
<td>284</td>
<td>0.80</td>
<td>78.03</td>
<td></td>
</tr>
<tr>
<td>4/16</td>
<td>88867</td>
<td>34-4 Kramer</td>
<td>31420</td>
<td>7.4</td>
<td>29095</td>
<td>6.1</td>
<td>1775</td>
<td>1.31</td>
<td>381</td>
<td></td>
<td>381</td>
<td>0.24</td>
<td>69.83</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total April</td>
<td>58430</td>
<td>55106</td>
<td>3310</td>
<td>674</td>
<td>14786</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Settlement Sheet

### Details
- **Type of Ore**: C-1 Carnotite
- **Deliveries to**: Durango
- **Mill Claim Name**: Corvusite
- **Address**: Paradox, Colorado
- **Purchased from**: Lester Sage
- **AEC License No.**: P-3654
- **Period**: 3-28/4-27-58
- **Settlement covering various lots beginning No.**: 59
- **Ending No.**: 88

### Table

<table>
<thead>
<tr>
<th>NET WEIGHT POUNDS</th>
<th>DRY WEIGHT POUNDS</th>
<th>% H2O</th>
<th>% V205</th>
<th>% U308</th>
<th>% CaCO3</th>
<th>CONTAINED POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>82560</td>
<td>77411</td>
<td>1.12</td>
<td>0.26</td>
<td></td>
<td>No L.P.</td>
<td>864</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>200.96</td>
</tr>
</tbody>
</table>

### Notes
- Lime averaged with Naturita Shipments
- V205 was added to the total value of U308.
- Development Allowance: 200.96
- Haulage Allowance: 100.48
- Total Gross Value: 1106.29
- Less Royalty: %V205 ( ) %U308 ( ) $ 737.97
- Total Net Payment: 1106.29

I certify that I am the lawful owner or authorized representative of the lawful owner, of the ore described in this settlement sheet and have legal right to deliver the same to the Vanadium Corporation of America. I certify that I hold A.E.C. Source Material License numbered above. I hereby transfer to the Vanadium Corporation of America, all my right, title, and interest in and to said ore. I agree to save Vanadium Corporation of America harmless in the event my effective act of the date of delivery of the ore, all my right, title, and interest in and to said ore. I will accept the amount as shown above as "Total Gross Value" in full settlement.

### Document Details
- **Form VW 56-Ct**: 4-0-81
- **Region**: Denver, Colorado
- **Date**: May 9, 1958
- **Department of the Interior**: Seller or Agent
## Ore Settlement

### Mining Claim

**Corvusite 3**

<table>
<thead>
<tr>
<th>Source</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
<th>Settlemnet Assays</th>
<th>*Approximate Averages</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>95680</td>
<td>61</td>
<td>8928700</td>
<td>U₃O₈ V₂O₅ CaCO₃</td>
<td></td>
</tr>
</tbody>
</table>

### Detail of Payment

<table>
<thead>
<tr>
<th>Description</th>
<th>Lbs or Miles</th>
<th>Rate</th>
<th>Dry/Wet Tons</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ Payment</td>
<td>16521</td>
<td>31000</td>
<td>4.494</td>
<td>51215</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>16521</td>
<td>50</td>
<td>4.494</td>
<td>8261</td>
</tr>
<tr>
<td>Excess 4 lb Ton Prem</td>
<td>16521</td>
<td>75</td>
<td>4.494</td>
<td></td>
</tr>
<tr>
<td>Excess 10 lb Ton Prem</td>
<td>78821</td>
<td>31</td>
<td>4.784</td>
<td>24435</td>
</tr>
<tr>
<td>Lime Penalty Over 6%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V₂O₅ Payment</td>
<td>51000</td>
<td>6</td>
<td>4.784</td>
<td>14639</td>
</tr>
</tbody>
</table>

**DMEA**

DEPARTMENT OF THE INTERIOR

MAY 14 1958

REGION III

DENVER, COLORADO

TOTAL U₃O₈, V₂O₅ and HAULAGE PAYMENT $98550

---

BOUGHT OF

SHELDON J. BEERS
NATURITA, COLORADO

DIVISION OF UNION CARBIDE CORPORATION

P.O. BOX 1049, GRAND JUNCTION, COLORADO

UNION CARBIDE NUCLEAR CORPORATION

LIQUIDATION NUMBER

ORE SETTLEMENT

RECEIVING PLANT CODES

2. URANAN, COLO
1. R. U.; RICE, COLO
6. GREEN RIVER, UTAH
7. SLICKROCK, COLO

LICENSE NUMBER

T/S

PERIOD ENDING

CIRCULAR NO. 5 (REVISED)
## LOAD DETAIL SHEET

**NAME AND ADDRESS**

**S D O N E Y  J  B E E R S  N A T U R I T A  C O L O R A D O**

**MINING CLAIM**

**CORVUSITE 3**

<table>
<thead>
<tr>
<th>RECEIVING PLANT CODES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. URAGHAN, COLO</td>
</tr>
<tr>
<td>2. RIFLE, COLO</td>
</tr>
<tr>
<td>6. GREEN RIVER, UTAH</td>
</tr>
<tr>
<td>7. SICKROCK, COLO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DATE OF RECEIPT</th>
<th>SCALE TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>POUNDS</th>
<th>GRADE</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/20 04:29:07</td>
<td>0429 244756</td>
<td>33.62</td>
<td>50</td>
<td>30.929</td>
<td>.21</td>
<td>6.508</td>
<td>27.580</td>
<td></td>
</tr>
<tr>
<td>1/20 04:30:24</td>
<td>0430 244802</td>
<td>31.10</td>
<td>66</td>
<td>29.047</td>
<td>.17</td>
<td>4.938</td>
<td>25.271</td>
<td></td>
</tr>
<tr>
<td>2/20 04:30:24</td>
<td>0430 24483</td>
<td>31.60</td>
<td>66</td>
<td>29.851</td>
<td>.17</td>
<td>4.938</td>
<td>25.970</td>
<td></td>
</tr>
</tbody>
</table>

**FORM 250-234**

**DIVISION OF UNION CARBIDE CORPORATION**

**SOURCE**

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>69030</td>
</tr>
</tbody>
</table>

**PERIOD ENDING**

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1/5</td>
</tr>
<tr>
<td>43058</td>
</tr>
</tbody>
</table>

**Universe Nuclear Company**

**LOAD DETAIL SHEET**

**name AND ADDRESS**

**Sidney J. Beers**

**Naturita, Colorado**

**mining claim**

**Corvusite 3**

<table>
<thead>
<tr>
<th>date of receipt</th>
<th>scale ticket number</th>
<th>pounds ore</th>
<th>% h₂o</th>
<th>pounds dry ore</th>
<th>grade</th>
<th>pounds</th>
<th>grade</th>
<th>pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/20 04:29:07</td>
<td>0429 244756</td>
<td>33.62</td>
<td>50</td>
<td>30.929</td>
<td>.21</td>
<td>6.508</td>
<td>27.580</td>
<td></td>
</tr>
<tr>
<td>1/20 04:30:24</td>
<td>0430 244802</td>
<td>31.10</td>
<td>66</td>
<td>29.047</td>
<td>.17</td>
<td>4.938</td>
<td>25.271</td>
<td></td>
</tr>
<tr>
<td>2/20 04:30:24</td>
<td>0430 24483</td>
<td>31.60</td>
<td>66</td>
<td>29.851</td>
<td>.17</td>
<td>4.938</td>
<td>25.970</td>
<td></td>
</tr>
</tbody>
</table>
**Union Carbide Nuclear Company**

**DIVISION OF UNION CARBIDE CORPORATION**

P. O. BOX 1049, GRAND JUNCTION, COLORADO

**ORE SETTLEMENT**

---

**MINING CLAIM**

**BONANZA**

---

<table>
<thead>
<tr>
<th>Recv Plant</th>
<th>Source</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
<th>Sett. Assays</th>
<th>Approx. Averages</th>
</tr>
</thead>
<tbody>
<tr>
<td>20069040</td>
<td>Claim</td>
<td>32330</td>
<td>23</td>
<td>31 577 00</td>
<td>30 121</td>
<td></td>
</tr>
</tbody>
</table>

**DETAIL OF PAYMENT**

<table>
<thead>
<tr>
<th></th>
<th>Lbs of Miles</th>
<th>Rate</th>
<th>Dry/Wet Tons</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U3O8 Payment</td>
<td>9473</td>
<td>50000</td>
<td>1579</td>
<td>33156</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>9473</td>
<td>50</td>
<td>1579</td>
<td>4737</td>
</tr>
<tr>
<td>Excess 4 lb Ton Prem</td>
<td>3157</td>
<td>75</td>
<td>1579</td>
<td>2368</td>
</tr>
<tr>
<td>Excess 10 lb Ton Prem</td>
<td>3157</td>
<td>25</td>
<td>1579</td>
<td>2368</td>
</tr>
<tr>
<td>Lime Penalty Over 6pc</td>
<td>38206</td>
<td>31</td>
<td>1579</td>
<td>CR</td>
</tr>
<tr>
<td>V2O5 Payment</td>
<td>5160</td>
<td>725</td>
<td>1616</td>
<td>5975</td>
</tr>
</tbody>
</table>

**TOTAL U₃O₈, V₂O₅ and HAULAGE PAYMENT**

$58080

---

**DMEA**

**DEPARTMENT OF THE INTERIOR**

**MAY 14 1958**

**REGION III**

**DENVER, COLORADO**
# Load Detail Sheet

**Union Carbide Nuclear Company**
Division of Union Carbide Corporation

**Name and Address**

<table>
<thead>
<tr>
<th>SIDNEY J BEERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATURITA COLOMBADO</td>
</tr>
</tbody>
</table>

**Mining Claim**

| RONANZA |

<table>
<thead>
<tr>
<th>Source</th>
<th>69040</th>
</tr>
</thead>
<tbody>
<tr>
<td>Period Ending</td>
<td>4/30/58</td>
</tr>
</tbody>
</table>

**Loading Details**

<table>
<thead>
<tr>
<th>RECV. PLANT</th>
<th>DATE OF RECEIPT</th>
<th>SCALE TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>% H₂O</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>POUNDS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 URAYAN COLO</td>
<td>2/4/28</td>
<td>24629</td>
<td>32320</td>
<td>2.3</td>
<td>31577</td>
<td>30 121</td>
<td>9473</td>
<td>38208</td>
</tr>
<tr>
<td>6 GREEN RIVER, UTAH</td>
<td>2/4/28</td>
<td>24629</td>
<td>32320</td>
<td>2.3</td>
<td>31577</td>
<td>30 121</td>
<td>9473</td>
<td>38208</td>
</tr>
</tbody>
</table>
**SETTLEMENT SHEET**

**Type of Ore:**
- V2O5
- U3O8
- CaCO3

**Deliveries to:**
- Durango

**Mill Claim Name:** Cornsite

**Period:** 4-28/5-15-58

**Purchased from:** Lester Sage

**Address:** Durango, Colorado

**Settlement covering various lots beginning No.:** 652

<table>
<thead>
<tr>
<th>NET WEIGHT</th>
<th>% H2O</th>
<th>DRY WEIGHT</th>
<th>% V2O5</th>
<th>% U3O8</th>
<th>% CaCO3</th>
<th>CONTAINED</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TONS</td>
<td></td>
<td>TONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>57790</td>
<td>53135</td>
<td>1.01</td>
<td>.25</td>
<td>539</td>
<td>133.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26.69</td>
<td>26.5675</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**V2O5**
- **1.01**
- lbs. at 31c
- Per Lb. $167.09
- **539**
- Total Value V2O5 $167.09

**U3O8**
- **0.25**
- Content at 4 lbs. per ton 106.27 lbs.
- Premium for lbs in excess of 4 lbs. per ton 26.06 lbs. at 75c
- Per Lb. $20.15
- Total Value U3O8 $406.21

**Development Allowance** 133.13 lbs. at 50c
- Per Lb.
- **$66.57**

**Haulage Allowance**
- **$719.77**

**TOTAL GROSS VALUE**

**Less Royalty** %V2O5 ( ) %U3O8 ( )
- **$100.83**

**Less Accounts Receivable**
- **$628.94**

**TOTAL NET PAYMENT**

<table>
<thead>
<tr>
<th>VO NO</th>
<th>TO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>22208</td>
<td>Lester Sage, Arapahoe, Colorado</td>
</tr>
<tr>
<td>22210</td>
<td>U. S. Steel Corp., Box 667, Kansas City, Mo.</td>
</tr>
<tr>
<td>22211</td>
<td>Edwin S. Hoag, Box 13, Denver, Colo.</td>
</tr>
<tr>
<td>22212</td>
<td>J. H. Sene, Box 37, Natchez, Miss.</td>
</tr>
</tbody>
</table>

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the ore described in this settlement sheet and have legal right to deliver the same to the Vanadium Corporation of America. I certify that I hold AEC Source Material License numbers above. I hereby transfer to the Vanadium Corporation of America, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore. I agree to save Vanadium Corporation of America harmless in the event my right to convey title is contested for any reason. I will accept the amount as shown above as "Total Gross Value" in full settlement.

**Seller or Agent**
## ORE RECORD

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Claim</th>
<th>Stockpile No.</th>
<th>Hauler</th>
<th>Gross Wt. Pounds</th>
<th>H₂O</th>
<th>Dry Wt. Pounds</th>
<th>CaCO₃</th>
<th>CaCO₃ Pounds</th>
<th>V₂O₅</th>
<th>V₂O₅ Pounds</th>
<th>U₃O₈</th>
<th>U₃O₈ Pounds</th>
<th>U₃O₈</th>
<th>U₃O₈ Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/6</td>
<td>652</td>
<td>åtrom</td>
<td></td>
<td></td>
<td>2980</td>
<td>6.1</td>
<td>27972</td>
<td>4.9</td>
<td>1371</td>
<td>1.09</td>
<td>305</td>
<td>26</td>
<td>72.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7/4</td>
<td>773</td>
<td></td>
<td></td>
<td></td>
<td>27580</td>
<td>8.8</td>
<td>25153</td>
<td>6.3</td>
<td>1584</td>
<td>.93</td>
<td>234</td>
<td>24</td>
<td>60.37</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket No. DMEA 2446 (Uranium) Contract
Idm-E445, Boomerang Mining Co., (Bonanza, Urantah & Grandco claims)
Grand County, Utah

Period: April, 1958

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2-28/3-15/58</td>
<td>3063</td>
<td>143.252</td>
<td>$193.98</td>
<td>$193.98</td>
<td>No bonus due</td>
<td></td>
</tr>
<tr>
<td>3-15/3-27-58</td>
<td>3093</td>
<td>13.010</td>
<td>22.50</td>
<td>22.50</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>4-5-58</td>
<td>7939</td>
<td>29.350</td>
<td>57.39</td>
<td>57.39</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

Totals: 185.612 $273.87 $273.87
Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 2970.193

Acting Executive Officer

Chron
cc: Royalty File E445 w/settlement sheets
     Monthly Royalty Payment File
     hmb
VANADIAUM CORPORATION OF AMERICA

Durango, Colorado

Settlement Sheet

AEC License No. R-3652

Type of Ore: Carn

Deliveries to: Naturita

Purchased from: Lester Sage

Mill Claim Name: Cornsita

Address: Paradox, Colorado

Period: 1-28/3-15/59

Settlement covering various lots beginning No. 88385

<table>
<thead>
<tr>
<th>NET WEIGHT</th>
<th>% H2O</th>
<th>DRY WEIGHT</th>
<th>% V205</th>
<th>% U3O8</th>
<th>% CaCO3</th>
<th>CONTAINED</th>
</tr>
</thead>
<tbody>
<tr>
<td>POUNDS</td>
<td></td>
<td>POUNDS</td>
<td></td>
<td></td>
<td></td>
<td>POUNDS</td>
</tr>
<tr>
<td>307,900</td>
<td></td>
<td>296,504</td>
<td>121</td>
<td>25</td>
<td>62</td>
<td>712.22</td>
</tr>
<tr>
<td>153,950</td>
<td></td>
<td>14,950</td>
<td>121</td>
<td>25</td>
<td>62</td>
<td>712.22</td>
</tr>
</tbody>
</table>

Lime averaged & shipments to Durango and results 6.2

V205........121%...............................lbs. at.....31......Per Lb. $........1,078.18......

Less High Lime Penalty.14,950.........tons at.....1,06......Per Ton $........151.85......

Total Value V205.................................$........236,33......

U3O8........25%.............................lbs. at.....3.35......Per Lb. $........2,022.77......

Content at 4 lbs. per ton 573.01.........lbs.

Premium for lbs in excess of 4 lbs. per ton 14,950.........lbs. at....75c......Per Lb. $........104.11......

Content at 10 lbs. per ton

Premium for lbs. in excess of 10 lbs. per ton

Total Value U308.................................$........2597.18......

Development Allowance 712.22........lons at.....50c......Per Lb. $........356.11......

Haulage Allowance VCA Haulin'.........at

TOTAL GROSS VALUE

Less Royalty %V205 ( ) %U3O8 ( ) $...........

Less Accounts Receivable Lester Sage

TOTAL NET PAYMENT

21855 $132.98 TO: Lester Sage - Paradox, Colorado (50% V. & U.)

21854 $193.98 TO: Defiance Minera, 221, Custom House, Denver, Colorado

1356 $528.53 TO: Monday Oil Company, Box 61, Moab, Utah (19% V. & U.)

1384 $156.10 TO: Sidney J. Bears, Box 67, Naturita, Colorado (30% V. & U.)

I certify that I am the lawful owner or authorized representative of the lawful owner of the ore described in this settlement sheet and have legal right to deliver the same effective as of the date of delivery of the ore, all my right, title and interest in and to said ore. I agree to save Vanadium Corporation of America harmless in the event my right to convey title is contested for any reason. I will accept the amount as shown above as "Total Gross Value" in full settlement.

Seller or Agent

$282.21

21855 $3597.41

21854

1356

1384

$1.00 per ton equip., rental (05% Dev.)
<table>
<thead>
<tr>
<th>Claim</th>
<th>Stockpile No.</th>
<th>Hauler</th>
<th>Gross Wt.</th>
<th>% H₂O</th>
<th>Dry Wt.</th>
<th>% CaCO₂</th>
<th>% U₃O₈</th>
<th>V₂O₅</th>
<th>% Min. Grade</th>
<th>% Dev.</th>
<th>% V₂O₅</th>
<th>% U₃O₈</th>
<th>Per Lb. V₂O₅</th>
<th>Per Lb. U₃O₈</th>
</tr>
</thead>
<tbody>
<tr>
<td>27-6</td>
<td>8-147</td>
<td></td>
<td>12394</td>
<td>5.4</td>
<td>12600</td>
<td>5.7</td>
<td>1046</td>
<td>1.35</td>
<td>170</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-6</td>
<td>8-84</td>
<td></td>
<td>14840</td>
<td>4.7</td>
<td>13846</td>
<td>8.0</td>
<td>1108</td>
<td>1.03</td>
<td>143</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-7</td>
<td>8-147</td>
<td></td>
<td>18480</td>
<td>8.1</td>
<td>16983</td>
<td>6.7</td>
<td>1135</td>
<td>1.00</td>
<td>170</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-7</td>
<td>8-61</td>
<td></td>
<td>16190</td>
<td>6.8</td>
<td>15089</td>
<td>8.0</td>
<td>1207</td>
<td>1.42</td>
<td>214</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-7</td>
<td>8-147</td>
<td></td>
<td>16360</td>
<td>8.9</td>
<td>16726</td>
<td>4.4</td>
<td>736</td>
<td>2.06</td>
<td>345</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-9</td>
<td>8-60</td>
<td></td>
<td>17080</td>
<td>8.4</td>
<td>15645</td>
<td>4.5</td>
<td>104</td>
<td>2.45</td>
<td>383</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-1</td>
<td>149-Hale</td>
<td></td>
<td>23200</td>
<td>5.2</td>
<td>21944</td>
<td>5.2</td>
<td>1144</td>
<td>205</td>
<td>245</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-9</td>
<td>149-Hale</td>
<td></td>
<td>25130</td>
<td>7.1</td>
<td>23346</td>
<td>5.0</td>
<td>1161</td>
<td>1.82</td>
<td>285</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-9</td>
<td>149-Hale</td>
<td></td>
<td>22040</td>
<td>6.9</td>
<td>20519</td>
<td>6.2</td>
<td>1272</td>
<td>1.30</td>
<td>267</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27-9</td>
<td>149-Hale</td>
<td></td>
<td>22000</td>
<td>8.3</td>
<td>24759</td>
<td>5.3</td>
<td>1318</td>
<td>3.77</td>
<td>314</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-0</td>
<td>149-Hale</td>
<td></td>
<td>24770</td>
<td>8.0</td>
<td>22328</td>
<td>6.4</td>
<td>1541</td>
<td>1.24</td>
<td>277</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-0</td>
<td>Kramer</td>
<td></td>
<td>29040</td>
<td>6.0</td>
<td>27210</td>
<td>8.5</td>
<td>2313</td>
<td>0.81</td>
<td>220</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-0</td>
<td>Kramer</td>
<td></td>
<td>249020</td>
<td>6.3</td>
<td>23105</td>
<td>8.5</td>
<td>2313</td>
<td>0.81</td>
<td>220</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-0</td>
<td>Kramer</td>
<td></td>
<td>28380</td>
<td>5.5</td>
<td>26819</td>
<td>4.7</td>
<td>1260</td>
<td>0.77</td>
<td>207</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-0</td>
<td>Kramer</td>
<td></td>
<td>30560</td>
<td>6.1</td>
<td>28640</td>
<td>6.1</td>
<td>1747</td>
<td>0.97</td>
<td>278</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-0</td>
<td>Kramer</td>
<td></td>
<td>58990</td>
<td>5.5</td>
<td>55459</td>
<td>3.0</td>
<td>3007</td>
<td>0.48</td>
<td>119</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-3</td>
<td>Kramer</td>
<td></td>
<td>28850</td>
<td>5.5</td>
<td>26819</td>
<td>4.7</td>
<td>1260</td>
<td>0.77</td>
<td>207</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-3</td>
<td>Kramer</td>
<td></td>
<td>30560</td>
<td>6.1</td>
<td>28640</td>
<td>6.1</td>
<td>1747</td>
<td>0.97</td>
<td>278</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-3</td>
<td>Kramer</td>
<td></td>
<td>58990</td>
<td>5.5</td>
<td>55459</td>
<td>3.0</td>
<td>3007</td>
<td>0.48</td>
<td>119</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**March:** 307900  288500  143  2478  712
VANADIUM CORPORATION OF AMERICA

Settlement Sheet

Type of Ore: C-1 Carna

Deliveries to: Durango
Mill Claim Name: Carvasite
Period: 3-15/3-27-58

Purchased from: Lester Sage
Address: Paradox, Colorado

Settlement covering various lots beginning No.: 88808 Ending No.: 88808

<table>
<thead>
<tr>
<th>NET WEIGHT</th>
<th>% H2O</th>
<th>DRY WEIGHT</th>
<th>% V2O5</th>
<th>% U3O8</th>
<th>% CaCO3</th>
<th>CONTAINED</th>
</tr>
</thead>
<tbody>
<tr>
<td>13,0090</td>
<td></td>
<td>13,0106</td>
<td>1.71</td>
<td>.29</td>
<td>6.2</td>
<td>1.66</td>
</tr>
<tr>
<td>13,0300</td>
<td></td>
<td>13,0108</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lime averaged with Naturita shipments

V2O5: 1.79 %

Less High Lime Penalty: 1.06 tons at 1.06 Per Ton $13.79

Total Value V2O5 $130.67

U3O8: .29 %

Content at 4 lbs. per ton: 52.0 lbs.

Premium for lbs in excess of 4 lbs. per ton: 23.12 lbs. at 75c Per Lb. $17.57

Content at 10 lbs. per ton: 1.2 lbs.

Premium for lbs in excess of 10 lbs. per ton: 2.57 lbs. at 25c Per Lb. $0.64

Total Value U3O8 $281.68

Development Allowance: 75.1% of 10 lbs. per ton $37.73

Haulage Allowance: at $...

TOTAL GROSS VALUE $1,504.08

Less Royalty %V2O5 ( ) %U3O8 ( ) $...

Less Accounts Receivable: Lester Sage $91.71

TOTAL NET PAYMENT $358.37

VO. NO. 21355 $100.54 TO: Lester Sage, Paradox, Colorado
VO. NO. $4 TO: DMEA, 224 New Custom House, Denver, Colo. (5T U & V & D)
VO. NO. 21354 $22.50 TO: Croy Oil Co., Box 611, Moab, Utah (15% U & V)
VO. NO. 21856 $61.86 TO: Sidney J. Beers, Box 67, Naturita, Colo. (30% U & V & 55% Dev)
VO. NO. 21957 $172.85 TO:...
VO. NO. $1 TO:...

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the ore described in this settlement sheet and have legal right to deliver the same to the Vanadium Corporation of America. I certify that I hold A.E.C. Source Material License numbered above. I hereby transfer to the Vanadium Corporation of America, effective as of the date of delivery of the ore, all rights of title and interest in and to said ore. I agree to have Vanadium Corporation of America harmless in the event my right to convey title is contested for any reason and paid the amount as shown above as "Total Gross Value" in full settlement.

DOMED
DEPARTMENT OF THE INTERIOR
REGION M
4418, COLORADO

Selling or Agent: £945
**UNION CARBIDE NUCLEAR COMPANY**  
DIVISION OF UNION CARBIDE CORPORATION  
P.O. BOX 1049, GRAND JUNCTION, COLORADO  

ORE SETTLEMENT  

BOUGHT OF  
SIDNEY J. BEERS  
NATURITA, COLORADO  

<table>
<thead>
<tr>
<th>MINING CLAIM</th>
<th>SOURCE</th>
<th>NET WEIGHT POUNDS</th>
<th>% H₂O</th>
<th>DRY WEIGHT POUNDS</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CO₂</th>
<th>SETTLEMENT ASSAYS</th>
<th>* APPROXIMATE AVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORVUSITE 3</td>
<td>2</td>
<td>006,903</td>
<td>61,400</td>
<td>4.4</td>
<td>58,093.0</td>
<td>31,166</td>
<td>61</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DETAIL OF PAYMENT</th>
<th>18C ON MILES</th>
<th>RATE</th>
<th>DRY/WET POUNDS</th>
<th>VALU</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ PAYMENT</td>
<td>1790.5</td>
<td>350000.0</td>
<td>2935</td>
<td>626.63</td>
</tr>
<tr>
<td>DEVELOPMENT ALLOWANCE</td>
<td>1790.5</td>
<td>50</td>
<td>2935</td>
<td>89.53</td>
</tr>
<tr>
<td>EXCESS 4LB TON PREM</td>
<td>616.5</td>
<td>75</td>
<td>2935</td>
<td>462.4</td>
</tr>
<tr>
<td>EXCESS 10LB TON PREM</td>
<td>97447</td>
<td>31</td>
<td>2935</td>
<td>30209</td>
</tr>
<tr>
<td>V2O₅ PAYMENT</td>
<td>97447</td>
<td>31</td>
<td>2935</td>
<td>30209</td>
</tr>
<tr>
<td>LIME PENALTY OVER 6PC</td>
<td>5100</td>
<td>0725</td>
<td>3070</td>
<td>11351</td>
</tr>
<tr>
<td>HAULAGE ALLOWANCE</td>
<td>5100</td>
<td>0725</td>
<td>3070</td>
<td>11351</td>
</tr>
</tbody>
</table>

**TOTAL U₃O₈, V₂O₅ and HAULAGE PAYMENT** $114,782
## Load Detail Sheet

**Name and Address:**

SIDNEY J. BEERS  
NATURITA, COLORADO

### Mining Claim

<table>
<thead>
<tr>
<th>RECEIPT</th>
<th>SCALE</th>
<th>POUNDS ORE</th>
<th>% $H_2$O</th>
<th>POUNDS DRY ORE</th>
<th>U$_3$O$_8$</th>
<th>V$_2$O$_5$</th>
<th>CaCO$_3$</th>
<th>U$_3$O$_8$</th>
<th>V$_2$O$_5$</th>
<th>CaCO$_3$</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-20</td>
<td>0320254</td>
<td>30720</td>
<td>45</td>
<td>29338</td>
<td>22</td>
<td>141</td>
<td>74</td>
<td>6454</td>
<td>41367</td>
<td>217101</td>
</tr>
<tr>
<td></td>
<td>03210374</td>
<td>30680</td>
<td>43</td>
<td>29361</td>
<td>39</td>
<td>191</td>
<td>49</td>
<td>11451</td>
<td>56080</td>
<td>140933</td>
</tr>
<tr>
<td></td>
<td></td>
<td>61400</td>
<td>44</td>
<td>58699</td>
<td>31</td>
<td>166</td>
<td>61</td>
<td>17905</td>
<td>97447</td>
<td>358034</td>
</tr>
</tbody>
</table>

**Source:**

| 6/9/03  |

**Receiving Plant Codes:**

2. URAVAN, COLO.  
3 & 4. RIFLE, COLO.  
6. GREEN RIVER, UTAH  
7. SLICKROCK, COLO.
**Memorandum**

To: Chairman, Operating Committee, DMEA  
From: Executive Officer, DMEA Field Team, Region III  
Subject: Royalty Payments, Docket No. DMEA 2446 (Uranium) Contract  
Idm-E445, Boomerang Mining Company (Bonanza, Urantah & Grandco claims) Grand County, Utah  
Period: January, 1958

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Paid</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/16</td>
<td>3873</td>
<td>13.188</td>
<td>$13.58</td>
<td>$13.58</td>
<td>No bonus due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 13.188 $13.58 $13.58

Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 2784.581

*Signature*

Executive Officer

cc: DMEA/SLC - w/copy Settlement Sheet  
cc: Royalty File E 445 w/settlement sheets  
Monthly Royalty Payment File  
hmh
I certify that I am the lawful owner or authorized representative of the Liatel Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective at the date of delivery of said Ore, all my right, title and interest in and to said Ore.

I will accept the amount as shown above as "Total Gross Price" in full satisfaction for same due to me an account of the ore delivered described herein.

Buyer agrees that if Seller fails to submit his assays prior to acceptance of payment. All rates paid based on U. S. Atomic Energy Commission Published Schedules.

Selling or Agent

Selling or Agent

E445 - Boomerang
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket DMEA 2446 (Uranium) Contract 1dm-E445, Boomerang Mining Company (Bonanza, Urantah & Grandco claims) Grand County, Utah
Period: December 1957

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/2</td>
<td>3772</td>
<td>15.044</td>
<td>$31.45</td>
<td>$31.45</td>
<td>No bonus due</td>
<td></td>
</tr>
<tr>
<td>12/17</td>
<td>3809</td>
<td>15.143</td>
<td>13.84</td>
<td>13.84</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Totals: 30.187 $45.29 $45.29

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date 2730.611

Executive Officer

cc: Royalty File E445 w/settlement sheets
    Monthly Royalty Payment File
    hnh
### CLIMAX URANIUM COMPANY
#### GRAND JUNCTION, COLORADO

**ORE SETTLEMENT**

<table>
<thead>
<tr>
<th><strong>Component</strong></th>
<th><strong>11.50</strong></th>
<th><strong>15.00</strong></th>
<th><strong>15.50</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H2O</strong></td>
<td>0.3%</td>
<td>0.3%</td>
<td>0.3%</td>
</tr>
<tr>
<td><strong>Na2CO3</strong></td>
<td>7.2%</td>
<td>7.2%</td>
<td>7.2%</td>
</tr>
<tr>
<td><strong>Na2S</strong></td>
<td>0.1%</td>
<td>0.1%</td>
<td>0.1%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>7.4%</td>
<td>7.4%</td>
<td>7.4%</td>
</tr>
</tbody>
</table>

**TOTAL DRY PRICE:**

- **Cash:** $16.89
- **Credit:** $16.89
- **Total:** $33.78

**Date:** December 11, 1956

**Notes:**

1. I certify that I am the legal owner or authorized representative of the Lease Owner of the Ore described on this certificate of sale and have legal title to sell the same to Climax Uranium Company.
2. I hereby transfer to Climax Uranium Company, effective as of the date of date of this sale, my right, title, and interest in and to said ore.
3. I will accept the amount as shown above as "Total Gross Price" to be paid by the Climax Uranium Company for the ore described herein.

**Selling Firm:**

- **Name:** A. E. & C. Company
- **Address:**
- **Signature:**

**Certified by:**

- **Name:** E. J. J. Company
- **Address:**
- **Signature:**
### CLIMAX URANIUM COMPANY
### GRAND JUNCTION, COLORADO
### ORE SETTLEMENT

<table>
<thead>
<tr>
<th>Let No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Gross Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>119</td>
<td>3.24.60</td>
<td>1.7</td>
<td>3.25</td>
<td>0.14</td>
<td>1.66</td>
<td>6.07</td>
<td>72.4</td>
<td>64.0</td>
<td>4.00</td>
<td>89.60 / 112.94</td>
</tr>
</tbody>
</table>

#### Settlemnt Assays

<table>
<thead>
<tr>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.9</td>
<td>$4.47</td>
<td>15.14</td>
<td>$97.83</td>
</tr>
</tbody>
</table>

**Total U₃O₈ Payment:** $123.63

**Heritage Allowance:** $33.918

| A12 %   | 339.19 Lbs. | 31 | 6.94 | 5.14 | $42.04 |

**Basis Line Charge:** 15.14 Tons @ $0.84

**Total Gross Profit:** $270.75

---

**DMBA**

**DEPARTMENT OF THE INT.**

**DEC 26 1957**

**REGION 3**

**DENVER, COLO.**
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket DMEA 2446 (Uranium) Contract IDM-E445, Boomerang Mining Company (Bonanza, Urankah & Grandco Claims) Grand County, Utah
Period: September 1957

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/6</td>
<td>3598</td>
<td>15.171</td>
<td>$31.56</td>
<td>$31.56</td>
<td>No bonus due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 15.171 $31.56 $31.56

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date 2700.424

E. M. Hardman
Acting Executive Officer
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₂O₅</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₂O₅</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.32%</td>
<td>22.64</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Development Allowance</td>
<td>17.99</td>
<td>.50</td>
<td>1.33</td>
<td>24.86</td>
</tr>
<tr>
<td>Premium in excess of 4% per ton</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td>97.69</td>
<td></td>
<td>2.03</td>
<td>119.72</td>
</tr>
<tr>
<td>Loss: 12.5% Tons @ 4%</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td>.25</td>
<td></td>
<td></td>
<td>6.25</td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td>$41.17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Premium in excess of 10% per ton</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss: 6% Tons @ 10%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>V₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>.31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss Erosion Lime Charge</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL GROSS PRICE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deductions:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Royalties</td>
<td>$102.51</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.32%</td>
<td>22.64</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Development Allowance</td>
<td>17.99</td>
<td>.50</td>
<td>1.33</td>
<td>24.86</td>
</tr>
<tr>
<td>Premium in excess of 4% per ton</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td>97.69</td>
<td></td>
<td>2.03</td>
<td>119.72</td>
</tr>
<tr>
<td>Loss: 12.5% Tons @ 4%</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td>.25</td>
<td></td>
<td></td>
<td>6.25</td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td>$41.17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Premium in excess of 10% per ton</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss: 6% Tons @ 10%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>V₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>.31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss Erosion Lime Charge</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL GROSS PRICE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deductions:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Royalties</td>
<td>$102.51</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.32%</td>
<td>22.64</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Development Allowance</td>
<td>17.99</td>
<td>.50</td>
<td>1.33</td>
<td>24.86</td>
</tr>
<tr>
<td>Premium in excess of 4% per ton</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td>97.69</td>
<td></td>
<td>2.03</td>
<td>119.72</td>
</tr>
<tr>
<td>Loss: 12.5% Tons @ 4%</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td>.25</td>
<td></td>
<td></td>
<td>6.25</td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td>$41.17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Premium in excess of 10% per ton</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss: 6% Tons @ 10%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>V₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>.31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss Erosion Lime Charge</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL GROSS PRICE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deductions:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Royalties</td>
<td>$102.51</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.32%</td>
<td>22.64</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Development Allowance</td>
<td>17.99</td>
<td>.50</td>
<td>1.33</td>
<td>24.86</td>
</tr>
<tr>
<td>Premium in excess of 4% per ton</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td>97.69</td>
<td></td>
<td>2.03</td>
<td>119.72</td>
</tr>
<tr>
<td>Loss: 12.5% Tons @ 4%</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td>.25</td>
<td></td>
<td></td>
<td>6.25</td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td>$41.17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Premium in excess of 10% per ton</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss: 6% Tons @ 10%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>V₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>.31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss Erosion Lime Charge</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL GROSS PRICE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deductions:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Royalties</td>
<td>$102.51</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.32%</td>
<td>22.64</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Development Allowance</td>
<td>17.99</td>
<td>.50</td>
<td>1.33</td>
<td>24.86</td>
</tr>
<tr>
<td>Premium in excess of 4% per ton</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td>97.69</td>
<td></td>
<td>2.03</td>
<td>119.72</td>
</tr>
<tr>
<td>Loss: 12.5% Tons @ 4%</td>
<td>60.61</td>
<td>.75</td>
<td>1.80</td>
<td>79.41</td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td>.25</td>
<td></td>
<td></td>
<td>6.25</td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td>$41.17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Premium in excess of 10% per ton</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss: 6% Tons @ 10%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Lbs. U₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U₂O₅ Payment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>V₂O₅</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>.31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss Erosion Lime Charge</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL GROSS PRICE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deductions:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Royalties</td>
<td>$102.51</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket DMEA-2446 (Uranium) Contract 1dm-E445, Boomerang Mining Company, (Bonanza, Urantah & Grandco Claims) Grand County, Utah
Period: August, 1957

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/8/57</td>
<td>3548</td>
<td>40.782</td>
<td>$55.74</td>
<td>$55.74</td>
<td>No bonus due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 40.782 $55.74 $55.74
Past Due Royalties Collected None
Total Dry Tons (Ore or Cons.) Shipped to Date 2685.253

Acting Executive Officer
### CLIMAX URANIUM COMPANY

### GRAND JUNCTION, COLORADO

### ORE SETTLEMENT

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight</th>
<th>Vol Weight</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pounds</td>
<td>Pounds</td>
<td>lbs.</td>
<td>lbs.</td>
<td>lbs.</td>
<td>lbs.</td>
<td>lbs.</td>
<td>lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

- **Development Allowance**
  - Premium in excess of 4% per ton
  - Total Lbs. U₃O₈
  - Prem. Lbs. @ 4%

- **Premium Lbs.**
  - Premium in excess of 10% per ton
  - Total Lbs. U₃O₈
  - Prem. Lbs. @ 10%

### Total U₃O₈ Payment

<table>
<thead>
<tr>
<th>Allowance</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TOTAL GROSS PRICE

<table>
<thead>
<tr>
<th>Deductions</th>
<th>$</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>$86.50</td>
<td>$111.21 $111.21</td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:**

- I certify that I am the lawful owner or authorized Representative of the Landlord, Owner of the Ore described in this Settlement Sheet and Devolved right to the same to Climax Uranium Company.
- The above is true and correct to the best of my knowledge and belief.
- I hereby surrender to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to the ore, and the proceeds as shown above as “Total Gross Price” in full settlement, for same due to me an account of the ore delivered.
- The above is true and correct to the best of my knowledge and belief.

**SIGNED:**

[Signature]

[Date]

**RECEIVED:**

[Date]

**DEWEY COBRALE**

REGION IV

PAIRS 1921

DWEV
CLIMAX URANIUM COMPANY
Grand Junction, Colorado

WEIGHT AND ASSAY CERTIFICATE

<table>
<thead>
<tr>
<th>DATE</th>
<th>SCALE TICKET NO.</th>
<th>MILEAGE</th>
<th>GROSS WEIGHT</th>
<th>TARE WEIGHT</th>
<th>NET WEIGHT</th>
<th>H2O</th>
<th>DRY WEIGHT</th>
<th>TRUCK LINE</th>
<th>DRIVER</th>
<th>WEIGHTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/31/57</td>
<td>76647</td>
<td>19560</td>
<td>50800</td>
<td>31240</td>
<td>6.6</td>
<td>29178</td>
<td></td>
<td>Stiller</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>76690</td>
<td>20140</td>
<td>53620</td>
<td>33480</td>
<td>6.6</td>
<td>31270</td>
<td></td>
<td>Earl</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total: 104420 39700 64720 6.6 60448

<table>
<thead>
<tr>
<th>Assays</th>
<th>C. U.</th>
<th>Shipper</th>
<th>Umple</th>
<th>Settlement</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>U3O8%</td>
<td>0.23</td>
<td></td>
<td></td>
<td>0.23</td>
<td>139.03</td>
</tr>
<tr>
<td>V2O5%</td>
<td>1.13</td>
<td></td>
<td></td>
<td>1.13</td>
<td>633.06</td>
</tr>
<tr>
<td>CaCO3%</td>
<td>1.95</td>
<td></td>
<td></td>
<td>1.95</td>
<td>1178.24</td>
</tr>
</tbody>
</table>

Prepared by: [Signature]
Checked by: [Signature]
Approved: [Signature]
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket DMEA 2446 (Uranium) Contract
Period: July, 1957

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/2/57</td>
<td>3456</td>
<td>50.784</td>
<td>$138.34</td>
<td>$138.34</td>
<td>No bonus due</td>
<td></td>
</tr>
<tr>
<td>7/23/57</td>
<td>3515</td>
<td>63.793</td>
<td>186.48</td>
<td>186.48</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

Totals: 114.577 $324.82 $324.82

Past Due Royalties Collected
None

Total Dry Tons (Ore or Cons.) Shipped to Date 2719.473

[Signature]
Acting Executive Officer

cc: Royalty File E445 w/settlement sheets
# CLIMAX URANIUM COMPANY
## GRAND JUNCTION, COLORADO
### ORE SETTLEMENT

<table>
<thead>
<tr>
<th>Date</th>
<th>July 2, 1957</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Claim</td>
<td>No. 1, 209</td>
</tr>
<tr>
<td>Mining District</td>
<td>Homestake (Hace)</td>
</tr>
</tbody>
</table>

### Settlement Sheet

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UO.</td>
<td>V.O.</td>
<td>CeCO.</td>
<td>UO.</td>
<td>V.O.</td>
<td>Grade</td>
<td></td>
</tr>
<tr>
<td>2549.40</td>
<td>85.75</td>
<td>0.34</td>
<td>101</td>
<td>4.12</td>
<td>12.17</td>
<td>203.20</td>
</tr>
<tr>
<td>3166.00</td>
<td>118.20</td>
<td>0.66</td>
<td>169</td>
<td>4.07</td>
<td>10.01</td>
<td>274.46</td>
</tr>
<tr>
<td>5011.00</td>
<td>206.30</td>
<td>0.56</td>
<td>247</td>
<td>4.19</td>
<td>12.92</td>
<td>332.60</td>
</tr>
</tbody>
</table>

### Contents Poundage

|  |  |  |  |  |  |
|---|---|---|---|---|
| Per lb. | Per Ton | Short Ton | Total Value |
| 1.274418% | 1934.33 lb. | @ .31 | $463.65 |

### Description

- **Playfair:** A. M. C. 5465
- **$69.46:** 131.81
- **246.76:** 26.43
- **209:** 18.54
- **120:** 26.43

### NET PROCEEDS

$2,303.05

---

I certify that I am the lawful owner or authorized Representative of the lawful owner of the ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title, and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price." In the settlement, I am giving you an account of the ore delivered described herein.

Buyer agrees that Seller is to submit his assays prior to acceptance of payment.

All rates paid are based on U.S. Atomic Energy Commission Published Schedules.

CU-176 0:

**JUL 1 1957**

**REGION III**

**DENVER, COLORADO**

**All rates paid are based on U.S. Atomic Energy Commission Published Schedules.**

**Buyer or Agent**
## ORE SETTLEMENT

**Climax Uranium Company**  
**Grand Junction, Colorado**

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>Dry Weight Pounds</th>
<th>B.U.</th>
<th>V.O.</th>
<th>Co₂O₃</th>
<th>U₃O₈</th>
<th>Total O₈</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>J12876</td>
<td>33.80</td>
<td>21.76</td>
<td>0.65</td>
<td>2.39</td>
<td>1.65</td>
<td>17.06</td>
<td>54.84</td>
<td>0.45</td>
</tr>
<tr>
<td>J12878</td>
<td>31140</td>
<td>29191</td>
<td>1.33</td>
<td>1.83</td>
<td>1.39</td>
<td>19.83</td>
<td>53.51</td>
<td>0.44</td>
</tr>
<tr>
<td>J12879</td>
<td>25370</td>
<td>23357</td>
<td>0.65</td>
<td>2.20</td>
<td>1.57</td>
<td>16.11</td>
<td>50.70</td>
<td>0.40</td>
</tr>
<tr>
<td>J12882</td>
<td>32480</td>
<td>21634</td>
<td>0.47</td>
<td>1.10</td>
<td>0.66</td>
<td>10.74</td>
<td>33.76</td>
<td>0.39</td>
</tr>
<tr>
<td>J12883</td>
<td>33660</td>
<td>21702</td>
<td>0.62</td>
<td>2.26</td>
<td>1.48</td>
<td>19.58</td>
<td>50.20</td>
<td>0.42</td>
</tr>
</tbody>
</table>

**Total:** 136.240 kg

**Total Gross Price:** $454.50

---

**Purchaser:**

**Debtor:**

**Guidance:**

I hereby declare that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

I certify that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

---

**Amount:** $454.50

---

**Purchaser:**

**Debtor:**

**Guidance:**

I hereby declare that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

I certify that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

**Amount:** $454.50

---

**Purchaser:**

**Debtor:**

**Guidance:**

I hereby declare that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

I certify that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

**Amount:** $454.50

---

**Purchaser:**

**Debtor:**

**Guidance:**

I hereby declare that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

I certify that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

**Amount:** $454.50

---

**Purchaser:**

**Debtor:**

**Guidance:**

I hereby declare that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

I certify that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

**Amount:** $454.50

---

**Purchaser:**

**Debtor:**

**Guidance:**

I hereby declare that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

I certify that I am the lawful owner or authorized representative of the Lawful Owner of the ore described in this settlement and have the right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in the ore.

I will accept the amount as shown above as "Total Gross Price" to full satisfaction, for same due to me on account of the specified mineral.

Walter Adams, Purchased Uranium Company,  
**Bureau of Mines**

**Amount:** $454.50
July 8, 1957

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket DMEA 2446 (Uranium) Contract Idm-El45, Boomerang Mining Co., (Bonanza, Urantah and Grandco claims) Grand County, Utah
Period: June 1957

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/28/57</td>
<td>3372</td>
<td>43.927</td>
<td>$102.50</td>
<td>$102.50</td>
<td></td>
<td>No bonus due</td>
</tr>
<tr>
<td>6/6/57</td>
<td>3390</td>
<td>33.690</td>
<td>65.12</td>
<td>65.12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/21/57</td>
<td>3426</td>
<td>39.172</td>
<td>88.41</td>
<td>88.41</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Totals: 116.789 $256.03 $256.03

Past Due Royalties Collected: None

Total Dry Tons (Ore or Cons.) Shipped to Date: 2604.896

Executive Officer

cc: Royalty File E 445 w/settlement sheets
    Monthly Royalty Payment File
    Chron.
# Climax Uranium Company
## Ore Settlement

<table>
<thead>
<tr>
<th>Wet Weight Pounds</th>
<th>UO₂</th>
<th>V₂O₅</th>
<th>CeCO₃</th>
<th>U₂O₅</th>
<th>V₂O₅</th>
<th>CeCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>18,805.7</td>
<td>6.8</td>
<td>12.96</td>
<td>0.35</td>
<td>1.35</td>
<td>4.88</td>
<td>220.85</td>
</tr>
<tr>
<td>23,900.0</td>
<td>18</td>
<td>34.89</td>
<td>0.39</td>
<td>2.23</td>
<td>4.19</td>
<td>97.51</td>
</tr>
<tr>
<td>96,150.0</td>
<td>7.4</td>
<td>27.85</td>
<td>3.36</td>
<td>38.38</td>
<td>74.27</td>
<td>48.25</td>
</tr>
</tbody>
</table>

**Settlement Amount**

<table>
<thead>
<tr>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.60</td>
<td>$3.20</td>
<td>$3.40</td>
<td>$111.90</td>
</tr>
</tbody>
</table>

**Development Allowance**

Total Lbs. UO₂ = 18,805.7

**Premium Lbs.**

Total Lbs. UO₂ = 23,900.0

**Excess Lime Charge**

<table>
<thead>
<tr>
<th>Per ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.00</td>
</tr>
</tbody>
</table>

**TOTAL GROSS PRICE**

<table>
<thead>
<tr>
<th>Deductions</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Royalty - 1st 3%</td>
<td>$112.50</td>
</tr>
<tr>
<td>Royalty - 5% of $204.93</td>
<td>$102.47</td>
</tr>
<tr>
<td>Royalty - 5% of $124.92</td>
<td>$38.02</td>
</tr>
</tbody>
</table>

**Net Proceeds**

$173.57
### Ore Settlement

**Date:** May 26, 1959  
**Company:** Climax Uranium Company  
**Mine:** Grand Junction, Colorado  
**Settlement Details:**

<table>
<thead>
<tr>
<th>Weight</th>
<th>U.0.</th>
<th>V.0.</th>
<th>CeO₂</th>
<th>D.0.</th>
<th>V.O.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.981</td>
<td>2.64</td>
<td>1.28</td>
<td>0.28</td>
<td>2.55</td>
<td>4.81</td>
</tr>
<tr>
<td>1.981</td>
<td>2.64</td>
<td>1.28</td>
<td>0.28</td>
<td>2.55</td>
<td>4.81</td>
</tr>
</tbody>
</table>

**Settlement Details:**

<table>
<thead>
<tr>
<th>Weight</th>
<th>U.0.</th>
<th>V.0.</th>
<th>CeO₂</th>
<th>D.0.</th>
<th>V.O.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.981</td>
<td>2.64</td>
<td>1.28</td>
<td>0.28</td>
<td>2.55</td>
<td>4.81</td>
</tr>
<tr>
<td>1.981</td>
<td>2.64</td>
<td>1.28</td>
<td>0.28</td>
<td>2.55</td>
<td>4.81</td>
</tr>
</tbody>
</table>

**Contents Found:**

- **Lb.**
- **Per Ton**
- **Total Lb.**

<table>
<thead>
<tr>
<th>Lb.</th>
<th>Per Ton</th>
<th>Total Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.745</td>
<td>44.93</td>
<td>1397.99</td>
</tr>
</tbody>
</table>

**Revenue:**

- **Revenue:** 70.77% @ 65% (12.12)

**Total Gross Price:**

- **Lb.**
- **Per Ton**
- **Total Lb.**

<table>
<thead>
<tr>
<th>Lb.</th>
<th>Per Ton</th>
<th>Total Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1531.05</td>
<td>49.93</td>
<td>76577.25</td>
</tr>
</tbody>
</table>

**Remarks:**

- **Royalty Payments:**
  - 11.1% E.U.
  - 4.9% @ 20.49.93 102.50
  - 4% of 12.50 338.40
  - Total 11.1% Royalty 102.50

- **Royalties:**
  - 11.1% Royalty Payments to C.P. 4-8-51

---

**Notes:**

- I am the lawful owner or authorized Representative of the Named Claimant hereof, and I deliver the same to Climax Uranium Company.
- I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all right, title and interest to and in the ore affectionated herein.
- I will accept the amount as shown above as "Total Gross Price" in full settlement, for same due to me on account of the ore delivered and herein.

**Instrument Number:** 445
<table>
<thead>
<tr>
<th>Ton</th>
<th>Wet Weight Pounds</th>
<th>E.O.</th>
<th>Dry Weight Pounds</th>
<th>U.O.</th>
<th>V.O.</th>
<th>CaCO₃</th>
<th>U.O.</th>
<th>V.O.</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>72,470</td>
<td>7.5</td>
<td>33,986</td>
<td>0.20</td>
<td>4.12</td>
<td>14.82</td>
<td>265.51</td>
<td>166.16</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>96,060</td>
<td>7.5</td>
<td>33,956</td>
<td>0.30</td>
<td>4.12</td>
<td>106.07</td>
<td>600.41</td>
<td>161.19</td>
<td></td>
</tr>
</tbody>
</table>

| TOTAL | 2,536              | 34.2 | 67,579           | 0.29 | 4.12 | 259.02 | 1,001.52 | 366.37 |

<table>
<thead>
<tr>
<th>Name</th>
<th>Per Ton</th>
<th>Per 1,000</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. S.</td>
<td>$3.50</td>
<td>$18.17</td>
<td>$33.69</td>
<td>$613.27</td>
</tr>
<tr>
<td>B.</td>
<td>$3.50</td>
<td>$2.60</td>
<td>$33.69</td>
<td>$87.48</td>
</tr>
<tr>
<td>C.</td>
<td>$3.50</td>
<td>$40.76</td>
<td>$38.69</td>
<td>$50.12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Per 1,000</th>
<th>Per Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.</td>
<td>$3.50</td>
<td>$3.50</td>
<td>$13.04 58</td>
</tr>
</tbody>
</table>

**TOTAL GROSS PRICE**

<table>
<thead>
<tr>
<th>Deductions</th>
<th>Per 1,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Yoga</td>
<td>$65.12</td>
</tr>
<tr>
<td>C. Co. Inc.</td>
<td>$813.10</td>
</tr>
<tr>
<td>F. Inc.</td>
<td>$65.12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>1st Amount due Co.</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. Co.</td>
<td>$146.97</td>
</tr>
</tbody>
</table>

**SUB PROCEEDS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. Co.</td>
<td>$146.97</td>
</tr>
</tbody>
</table>

I hereby transfer to Chima Uranium Company, effective as of the date of delivery, all my right, title, and interest in said ore.

I will accept the amount as shown above on "Total Gross Price" in the payment order due to me on account of the ore delivered and shipped hereunder.

I certify that I am the lawful owner or authorized representative of the lawful owner of the ore described in this Settlement Sheet and have legal right to deliver the same to Chima Uranium Company.

DMEA DEPARTMENT OF THE INTERIOR
JUN 11 1957
REGION 1
DENVER, COLORADO

SELLER OR REAGENT

14.17

$1070.31
**CLIMAX URANIUM COMPANY**

**GRAND JUNCTION, COLORADO**

**ORE SETTLEMENT**

<table>
<thead>
<tr>
<th>Type</th>
<th>UP</th>
<th>Total</th>
<th>Assay</th>
<th>Type</th>
<th>UP</th>
<th>Total</th>
<th>Assay</th>
<th>Type</th>
<th>UP</th>
<th>Total</th>
<th>Assay</th>
<th>Type</th>
<th>UP</th>
<th>Total</th>
<th>Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total weights and assayed values are calculated as follows:

- **Total weight**
- **Total assayed values**

---

**TOTAL GROSS PRICE**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DMEA</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DEPARTMENT OF THE INTERIOR</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DENVER, COLORADO</strong></td>
<td></td>
</tr>
</tbody>
</table>

**PROCEEDS**

- **Total Proceeds**

---

**Note:**

- This document is a record of ore settlement by the Climax Uranium Company.
- It details the settlement of uranium ore, specifying weights, assays, and values.
- The proceeds are summarized at the end, indicating the final amount due to the ore owner.

---

I hereby certify that the undersigned, or authorized representative of the undersigned, is the lawful owner of the ore described in this Settlement Sheet and that the ore is of the weight, quality, and value shown and hereby assigns to the Climax Uranium Company.

[Signature]

I further certify that the ore described herein is of the type and quality shown, and that the ore is of the weight and value stated.

[Signature]

I further certify that the ore described herein is of the type and quality shown, and that the ore is of the weight and value stated.

[Signature]
CLIMAX URANIUM COMPANY
GRAND JUNCTION, COLORADO

ORE SETTLEMENT

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>7346</td>
<td>16,680</td>
<td>47</td>
<td>15,879</td>
<td>0.30</td>
<td>1.05</td>
<td>0.26</td>
<td>4.26</td>
<td>47.64</td>
<td>166.73</td>
</tr>
<tr>
<td>7343</td>
<td>64,950</td>
<td>6.7</td>
<td>62,465</td>
<td>0.79</td>
<td>1.42</td>
<td>0.38</td>
<td>32.43</td>
<td>243.61</td>
<td>587.00</td>
</tr>
</tbody>
</table>

TOTAL 234,30  6.3  228,44  134,500  3.89  291.25  1853.73  926.45

<table>
<thead>
<tr>
<th></th>
<th>Per lb.</th>
<th>Per Ton</th>
<th>Short Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.3717757 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Development Allowance</td>
<td>4.91</td>
<td></td>
<td></td>
<td>49.15</td>
</tr>
<tr>
<td>Premium in excess of 44 per ton</td>
<td></td>
<td></td>
<td></td>
<td>145.63</td>
</tr>
<tr>
<td>Loss</td>
<td>39.17</td>
<td>Tons @ 49</td>
<td>294.38</td>
<td>145.63</td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Premium in excess of 104 per ton</td>
<td></td>
<td></td>
<td></td>
<td>145.63</td>
</tr>
<tr>
<td>Loss</td>
<td>9.37</td>
<td>Tons @ 104</td>
<td>514.57</td>
<td>145.63</td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U₃O₈ Payment</td>
<td></td>
<td></td>
<td></td>
<td>145.63</td>
</tr>
<tr>
<td>Homage Allowance</td>
<td>14.10</td>
<td>(61 Wet Tons)</td>
<td>175.63</td>
<td></td>
</tr>
<tr>
<td>V₂O₅</td>
<td>1.345071 %</td>
<td></td>
<td></td>
<td>1853.73</td>
</tr>
<tr>
<td>Loss: Excess Lime Charge</td>
<td></td>
<td></td>
<td></td>
<td>175.63</td>
</tr>
<tr>
<td>TOTAL GROSS PRICE</td>
<td></td>
<td></td>
<td></td>
<td>1762.29</td>
</tr>
</tbody>
</table>

DMEA
PARTMENT OF THE INTERIOR
JUN 26 1957
REGION III
DENVER, COLORADO

[Handwritten notes and signatures]
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 2445 (Uranium), Contract IDM-E445, Boomerang Mining Company (Bonanza, Urantah & Grandco Claims), Grand County, Utah
Period: October, 1956

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>(NONE)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Totals:

Past Due Royalties Collected $465.01
Per our letter to Boomerang Mining Co. dtd June 6, 1956
Total Dry Tons (Ore or Cons.) Shipped to Date 2488.107

cc: Royalty File E 445 w/settlement sheets
Monthly Royalty Payment File
S. R. Wilson
Chron.
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 2446 (Uranium), Contract IDM-E445, Boomerang Mining Company (Bonanza, Urantah & Grandco Claims), Grand County, Utah
Period: September, 1956

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/6/56</td>
<td>2704</td>
<td>14.892</td>
<td>$22.57</td>
<td>$22.57</td>
<td>No bonus due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 14.892 $22.57 $22.57

Past Due Royalties Collected

Total Dry Tons (Ore or Cons.) Shipped to Date 2488.107

W. M. Traver
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.44%</td>
<td>Average Assay</td>
<td>59.70</td>
</tr>
<tr>
<td>0.82%</td>
<td>Average Assay</td>
<td>1.00</td>
</tr>
<tr>
<td>0.21%</td>
<td>Average Assay</td>
<td>0.10</td>
</tr>
<tr>
<td>0.24%</td>
<td>Average Assay</td>
<td>0.30</td>
</tr>
<tr>
<td>0.20%</td>
<td>Average Assay</td>
<td>0.10</td>
</tr>
<tr>
<td>0.15%</td>
<td>Average Assay</td>
<td>0.15</td>
</tr>
<tr>
<td>0.10%</td>
<td>Average Assay</td>
<td>0.10</td>
</tr>
<tr>
<td>0.06%</td>
<td>Average Assay</td>
<td>0.15</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$182.40</td>
</tr>
</tbody>
</table>

**Reconciliation:**

- **Total Revenue:** $182.40
- **Total Expenses:** $128.22
- **Net Profit:** $54.18
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA2446 (Uranium), Contract Idm-E45, Boomerang Mining Company (Bonanza-Urantah & Grandco Claims), Grand County, Utah
Period: August, 1956

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/21/56</td>
<td>2662</td>
<td>14.534</td>
<td>$14.84</td>
<td>$14.84</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 14.534 $14.84 $14.84
Past Due Royalties Collected None
Total Dry Tons (Ore or Cons.) Shipped to Date 2473.215
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>2404</td>
<td>30,310</td>
<td>4.1</td>
<td>29,067</td>
<td>0.17</td>
<td>0.93</td>
<td>6.94</td>
<td>49.41</td>
<td>270.32</td>
<td>2,017.25</td>
</tr>
</tbody>
</table>

**U₃O₈**

- 0.17% = 49.41 lb. at
  - For lb. $2.90
  - For ton 9.86
  - Short Tons 14.53
  - Total Value $143.29

Development Allowances 49.41 lb. at
- Total U₃O₈ Payment $168.00

Haulage Allowance $4.50 per wet ton
- Total Haulage Allowance 63.65

**V₂O₅**

- 0.93% = 270.32 lb. at
  - For lb. 0.31
  - For ton 5.77
  - Short Tons 14.33
  - Total Value $83.80

Loss: Excess Lime Charge = 14.53 tons @ $1.28 per ton
- Total Lime Charge $18.60

**Total Gross Price**

- Deductions:
  - Loyalty - B.M.E.A. - 5% of $294.85
  - Groff Mill Co. - 50% of $294.49
  - Total Deductions $14.04

- Gross Value $270.81
- Less: B.M.E.A. Royalty (14.04)
- Net Proceeds $25.55

**Net Proceeds**

$254.30

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for same due to me or account of the ore deliveries described herein.

Buyer agrees governing all rules and regulations of the United States Atomic Energy Commission in all transactions involving the sale or transfer of radioactive materials.
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Company (Bonanza-Urantah & Grandco Claims) Grand County, Utah
Period: July, 1956

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/10/56</td>
<td>2590</td>
<td>50.576</td>
<td>$73.51</td>
<td>$73.51</td>
<td>No bonus due</td>
<td></td>
</tr>
</tbody>
</table>

Totals:

Past Due Royalties Collected

Total Dry Tons (Ore or Cons.) Shipped to Date 2458,681

W. M. Traver

cc: Royalty File E 445 w/settlement sheets
    Monthly Royalty Payment File
    S. R. Wilson w/settlement sheet
    Chron.
### CLIMAX URANIUM COMPANY

**Grand Junction, Colorado**

**July 29, 1956**

**RECEIVED**

**AUG 13 1956**

---

**Receiving Station**: CLIMAX URANIUM COMPANY

**Grand Junction, Colorado**

**Liquidation No.**: 2990

**Lot No.**: 5-1577

**Bought of**: Creel Oil Company

**A.E.C. License No.**: P-2376

**Address**: 109 Uranium Center Building, Grand Junction, Colorado

**Date Received**: 6/16/56 thru 6/30/56

**Type of Ore**: Cerussite

**Mining Claim**: Cerussite (Havasu Mining District, Gateway, Havasu Mass.)

---

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>$2O</th>
<th>Dry Weight Pounds</th>
<th>Settlement Assays</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>$2O</td>
<td></td>
<td></td>
<td>$2O</td>
</tr>
<tr>
<td>5-1577</td>
<td>31,660</td>
<td>5.1</td>
<td>30,099</td>
<td>0.19</td>
<td>0.13</td>
</tr>
<tr>
<td>5-1579</td>
<td>32,930</td>
<td>7.3</td>
<td>30,455</td>
<td>0.24</td>
<td>0.29</td>
</tr>
<tr>
<td>5-1573</td>
<td>23,270</td>
<td>8.0</td>
<td>22,508</td>
<td>0.23</td>
<td>0.44</td>
</tr>
<tr>
<td>5-1562</td>
<td>12,921</td>
<td>3.9</td>
<td>11,814</td>
<td>0.27</td>
<td>1.11</td>
</tr>
<tr>
<td>107,610</td>
<td>6.2</td>
<td>101,181</td>
<td>1.283717</td>
<td>1.136153</td>
<td>6.61</td>
</tr>
</tbody>
</table>

---

**UO2**

\[
0.229717\% = 231.35 \text{ lbs. st} 
\]

- Development allowance: 231.35 lbs. st
- Premium in excess of 4\% per ton: 231.35
- Total UO2: 231.35
- Least 50.96 tons at 4\%: 202.33
- Premium Lbs.: 29.03
- Per lb.: .75
- Per ton: .43
- Total Value: 33.77

---

**IVO**

- 1.19615\% = 114.923 lbs. st
- Least Excess Line Charge: 50.96 tons at $1.18 per ton
- Total Excess Price: 39.62
- Total IVO Price: 226.10

---

**NET PRICE**

\[
$1,470.16 
\]

---

**Definitions**

1. Royalty - Defense Minerals Exploration Administration - 3\% of 1,470.16

**NET PROCEEDS**

\[
$1,350.45 
\]

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

**Seller or Agent**: CU-178 10M-2-56 W&Y

---

**Receiving Station**: CLIMAX URANIUM COMPANY

**Grand Junction, Colorado**

**Liquidation No.**: 2990

**Lot No.**: 5-1577

**Bought of**: Creel Oil Company

**A.E.C. License No.**: P-2376

**Address**: 109 Uranium Center Building, Grand Junction, Colorado

**Date Received**: 6/16/56 thru 6/30/56

**Type of Ore**: Cerussite

**Mining Claim**: Cerussite (Havasu Mining District, Gateway, Havasu Mass.)

---

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H2O</th>
<th>Dry Weight Pounds</th>
<th>Settlement Assays</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$2O</td>
</tr>
<tr>
<td>5-1577</td>
<td>31,660</td>
<td>5.1</td>
<td>30,099</td>
<td>0.19</td>
<td>0.13</td>
</tr>
<tr>
<td>5-1579</td>
<td>32,930</td>
<td>7.3</td>
<td>30,455</td>
<td>0.24</td>
<td>0.29</td>
</tr>
<tr>
<td>5-1573</td>
<td>23,270</td>
<td>8.0</td>
<td>22,508</td>
<td>0.23</td>
<td>0.44</td>
</tr>
<tr>
<td>5-1562</td>
<td>12,921</td>
<td>3.9</td>
<td>11,814</td>
<td>0.27</td>
<td>1.11</td>
</tr>
<tr>
<td>107,610</td>
<td>6.2</td>
<td>101,181</td>
<td>1.283717</td>
<td>1.136153</td>
<td>6.61</td>
</tr>
</tbody>
</table>

---

**UO2**

\[
0.229717\% = 231.35 \text{ lbs. st} 
\]

- Development allowance: 231.35 lbs. st
- Premium in excess of 4\% per ton: 231.35
- Total UO2: 231.35
- Least 50.96 tons at 4\%: 202.33
- Premium Lbs.: 29.03
- Per lb.: .75
- Per ton: .43
- Total Value: 33.77

---

**IVO**

- 1.19615\% = 114.923 lbs. st
- Least Excess Line Charge: 50.96 tons at $1.18 per ton
- Total Excess Price: 39.62
- Total IVO Price: 226.10

---

**NET PRICE**

\[
$1,470.16 
\]

---

**Definitions**

1. Royalty - Defense Minerals Exploration Administration - 3\% of 1,470.16

**NET PROCEEDS**

\[
$1,350.45 
\]

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

**Seller or Agent**: CU-178 10M-2-56 W&Y
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 2445 (Uranium), Contract Idm-3445, Boomerang Mining Co. (Bonanza-Urantah & Grandco claims), Grand County, Utah
Period: June, 1956

During the above month the following royalty payments were received for ore or concentrates shipped from the subject property:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/5/56</td>
<td>2481</td>
<td>10.408</td>
<td>$15.79</td>
<td>$15.79</td>
<td>No bonus due</td>
<td></td>
</tr>
</tbody>
</table>

Totals: 10.408 $15.79 $15.79

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date 2408.105

Expiration Date of Royalty Repayment Nov. 4, 1962

Amount of Government Participation $21,438.07

Total Royalty Payments to Date $4,929.10

Percent of Loan Repayment 22.99%

W. M. Traver

cc Royalty File E 445 w/Settlement Sheets
Monthly Royalty Payment File
S. R. Wilson w/settlement sheet
Chron.
Receiving Station: CLIMAX URANIUM COMPANY
Grand Junction, Colorado.

JUL 1 2 1956

Receiving Station: CLIMAX URANIUM COMPANY
Grand Junction, Colorado.

Lot No.: 9-1210

Wet Weight: 22,800

Dry Weight: 20,886

H₂O: 0.7

U₃O₈: 0.20

V₂O₅: 1.42

CaCO₃: 2.59

U₃O₈: 42.63

V₂O₅: 295.59

CaCO₃: 39.13

**SETTLEMENT ASSAYS**

<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>0.20</td>
<td>1.42</td>
</tr>
</tbody>
</table>

**For Sale**

<table>
<thead>
<tr>
<th>For Sale</th>
<th>For Tax</th>
<th>Short Form</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$33.50</td>
<td>$14.00</td>
<td>10.41</td>
<td>$68.91</td>
</tr>
</tbody>
</table>

**Development allowance 41.63 lb. at**

<table>
<thead>
<tr>
<th>Total Gross Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15.68</td>
</tr>
</tbody>
</table>

**Shipment allowed $5.00 per net ton**

<table>
<thead>
<tr>
<th>Total Gross Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$91.68</td>
</tr>
</tbody>
</table>

**Total Gross Price**

<table>
<thead>
<tr>
<th>Total Gross Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>$91.68</td>
</tr>
</tbody>
</table>

**Realty - Defense Minerals Exploration Administration - 5% of $91.68**

<table>
<thead>
<tr>
<th>Total Proceeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>$31.53</td>
</tr>
</tbody>
</table>

**Merchantable ore:**

<table>
<thead>
<tr>
<th>Total Proceeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>$300.05</td>
</tr>
</tbody>
</table>

I, Being the lawful owner or authorized Representative of the lawful owner, do certify that I am the lawful owner or authorized Representative of the lawful owner, of the Ore described in this Settlement and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in said ore.

I accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore described herein.

Assay data for this ore is based on U. S. Atomic Energy Commission Published Schedules.

Signature of Seller or Agent:

[Signature]

[Signature]

[Signature]

[Signature]
memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 2446 (Uranium), Contract Idm-445, Boomerang Mining Company (Bonanza-Urantah & Grandco claims), Grand County, Utah
Period: May, 1956

During the above month the following royalty payments were received for ore or concentrates shipped from the subject property:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Paid</th>
<th>Bonus Roy. Due</th>
<th>Bonus Roy. Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8</td>
<td>2403</td>
<td>10.631</td>
<td>$23.45</td>
<td>$23.45</td>
<td>No bonus due</td>
<td></td>
</tr>
<tr>
<td>5/23</td>
<td>2449</td>
<td>10.102</td>
<td>16.07</td>
<td>16.07</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Totals: 20.733 $39.52 $39.52

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date 2397.697

Expiration Date of Royalty Repayment November 4, 1962

Amount of Government Participation $21,438.07

Total Royalty Payments to Date 4,913.31

Percent of Loan Repayment 22.92%

W. M. Traver

cc Royalty File E 445 w/ Settlement Sheets
Monthly Royalty Payment File
S. R. Wilson w/settlement sheets
Chron.
**CLIMAX URANIUM COMPANY**

**Receiving Station**

Grand Junction, Colorado, May 8, 1956

**Lot No.**

- 2483

**A.E.C. License No.**

- 2543

**Mining Claim**

- 307

**Pile No.**

- 4

**Type of Ore**

- Carmitote

**Date Received**

- 6/16/56

**Lot No.**

- 2483

**Wet Weight Pounds**

- 21,390

**Dry Weight Pounds**

- 21,262

**Contents Pounds**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.02</td>
<td>4.08</td>
<td>0.91</td>
</tr>
</tbody>
</table>

**Settlement Assays**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.91</td>
<td>376.34</td>
<td>064.73</td>
</tr>
</tbody>
</table>

**For Lb.**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
</table>
| 63.50 | 62.70 | 10.63 | $290.69

**Development allowance 65.91 lb. at**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
</table>
| 0.90 | 3.10 | 10.63 | 32.96

**For Ton**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
</table>
| 63.50 | 62.70 | 10.63 | $290.69

**Short Ton**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
</table>
| 63.50 | 62.70 | 10.63 | $290.69

**Total Payment**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
</table>
| 63.50 | 62.70 | 10.63 | $290.69

**Premium in amount of 40 per ton**

**Total Pounds**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.91</td>
<td>376.34</td>
<td>064.73</td>
</tr>
</tbody>
</table>

**Premium 40 lb. at**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
</table>
| 0.75 | 1.65 | 1.63 | 17.56

**U₃O₈**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>55.39</td>
<td>376.34</td>
<td>064.73</td>
</tr>
</tbody>
</table>

**For Ton**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>55.39</td>
<td>376.34</td>
<td>064.73</td>
</tr>
</tbody>
</table>

**Short Ton**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>55.39</td>
<td>376.34</td>
<td>064.73</td>
</tr>
</tbody>
</table>

**Total Gross Price**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.91</td>
<td>376.34</td>
<td>064.73</td>
</tr>
</tbody>
</table>

**For Gross Price**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.91</td>
<td>376.34</td>
<td>064.73</td>
</tr>
</tbody>
</table>

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

E-445
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>Settlement Assays</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Per Lb.</td>
<td>Per Ton</td>
</tr>
<tr>
<td>5-990</td>
<td>32,200</td>
<td>9.2</td>
<td>20,203</td>
<td>0.21</td>
<td>1.50</td>
</tr>
</tbody>
</table>

**Development allowance** 42.43 lbs. at

**Premium in excess of 45 per ton**

Total lbs. 5948

Load: 12,16 Tons = 5948 lbs.

Pounds per ton: 2.03 at

**Total 1/206 Payment**

**Depreciation allowance** $5.00 per wet ton

1/206

1.50s = 303.05 lbs. at

**Total Gross Price**

**Deductions:**

1. Royalty - Defense Minerals Exploration Administration - $0 of $321.49

**Net Proceeds**


---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

MAY 28 1956

BUREAU OF MINES
Denver, Colorado

---

E-445
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 2446 (Uranium, Contract Idm-E445, Boomerang Mining Co. (Bonanza, Urantah & Grandco claims), Grand County, Utah
Period: April, 1956

During the above month the following royalty payments were received for ore or concentrates shipped from the subject property:

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2260</td>
<td>8.879</td>
<td>$16.56</td>
<td>$16.56</td>
</tr>
<tr>
<td>2294</td>
<td>17.100</td>
<td>36.74</td>
<td>36.74</td>
</tr>
<tr>
<td>548</td>
<td>1.924</td>
<td>16.74</td>
<td>--</td>
</tr>
<tr>
<td>561</td>
<td>1.436</td>
<td>18.40</td>
<td>--</td>
</tr>
<tr>
<td>3977</td>
<td>72.349</td>
<td>92.78</td>
<td>--</td>
</tr>
<tr>
<td>3940</td>
<td>28.575</td>
<td>64.85</td>
<td>--</td>
</tr>
<tr>
<td>4014</td>
<td>74.403</td>
<td>154.37</td>
<td>--</td>
</tr>
<tr>
<td>4055</td>
<td>63.734</td>
<td>117.87</td>
<td>--</td>
</tr>
<tr>
<td>2341</td>
<td>20.298</td>
<td>68.21</td>
<td>68.21</td>
</tr>
</tbody>
</table>

Royalty request pending audit.

Totals: 288.698 $586.52 $121.51
Past Due Royalties Collected None
Total Dry Tons (Ore or Cons.) Shipped to Date 2376.564
Expiration Date of Royalty Repayment November 11, 1962
Amount of Government Participation $21,438.07
Total Royalty Payments to Date $4,873.79
Percent of Loan Repayment 22.73%
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight</th>
<th>H₂O</th>
<th>Dry Weight</th>
<th>( U₃O₈ )</th>
<th>( V₂O₅ )</th>
<th>Ca CO₃</th>
<th>( U₃O₈ )</th>
<th>( V₂O₅ )</th>
<th>Ca CO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-794</td>
<td>19,450</td>
<td>4.7</td>
<td>17,750</td>
<td>0.31</td>
<td>1.18</td>
<td>6.24</td>
<td>55.05</td>
<td>204.54</td>
<td>1,026.10</td>
</tr>
</tbody>
</table>

**Development allowance:** 55.05 lbs. at

\[ 0.50 \times 1.10 \times 8.68 = 55.05 \text{ lbs.} \]

**Premium in excess of 45 per ton:**

<table>
<thead>
<tr>
<th>Total lbs.</th>
<th>( U₃O₈ )</th>
<th>( V₂O₅ )</th>
<th>Ca CO₃</th>
<th>( U₃O₈ )</th>
<th>( V₂O₅ )</th>
<th>Ca CO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>55.05</td>
<td>55.05</td>
<td>55.05</td>
<td>55.05</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less: 45 lbs. at</td>
<td>45.00</td>
<td>45.00</td>
<td>45.00</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total payment:**

\[ 50.05 \text{ lbs. at} \times 8.68 \text{ per lb.} = 434.07 \]$.

**Haulage allowance:** 70 miles at 66 per wet ton mile

\[ 1.16 \times 204.54 \text{ lbs. at} \times 66 \text{ per wet ton mile} \]

\[ 7.32 \times 66 = 482.92 \] $.

**Total gross price:**

\[ 434.07 + 482.92 = 917.00 \] $.

**Calculations:**

1. Royalty - Defense Minerals Exploration Administration - 5% of $917.17

\[ 45.86 \] $.

**Net proceeds:**

\[ 917.00 - 45.86 = 871.14 \] $.

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U.S. Atomic Energy Commission Published Schedules.

CTJ-178 103M-2-56 W&Y
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-94</td>
<td>17,690</td>
<td>7.2</td>
<td>16,258</td>
<td>0.42</td>
<td>1.67</td>
<td>3.41</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-94</td>
<td>19,320</td>
<td>7.5</td>
<td>17,758</td>
<td>0.22</td>
<td>1.36</td>
<td>5.36</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-94</td>
<td>37,039</td>
<td>7.8</td>
<td>34,291</td>
<td>0.353788</td>
<td>1.454615</td>
<td>6.01</td>
</tr>
</tbody>
</table>

**SETTLEMENT ASSAYS**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>62.27</td>
<td>377.44</td>
<td>873.56</td>
</tr>
<tr>
<td>92.85</td>
<td>137.22</td>
<td>1,175.40</td>
</tr>
<tr>
<td>120.28</td>
<td>487.46</td>
<td>2,836.66</td>
</tr>
</tbody>
</table>

**CONTENTS POUNDS**

<table>
<thead>
<tr>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>515.40</td>
<td>515.40</td>
<td>515.40</td>
</tr>
<tr>
<td>415.40</td>
<td>415.40</td>
<td>415.40</td>
</tr>
<tr>
<td>1,202.80</td>
<td>1,202.80</td>
<td>1,202.80</td>
</tr>
</tbody>
</table>

**Net Payable**

$1,202.80

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

"All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

**Sellers or Agent.**

7-24-54 WAY
### Calculation of INEA Royalty due

**Liquidation No. 3877**

**November 26, 1952**

<table>
<thead>
<tr>
<th>Shipped Ticket No.</th>
<th>Date</th>
<th>Pounds</th>
<th>Per Cent</th>
<th>Pounds</th>
<th>Grade</th>
<th>Pounds</th>
<th>Grade</th>
<th>Pounds</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>-Ore-</td>
<td>Moisture</td>
<td>Dry Ore</td>
<td>U-2O₅</td>
<td>U-2O₅</td>
<td>V-2O₅</td>
<td>V-2O₅</td>
<td></td>
</tr>
<tr>
<td>11/8 3778</td>
<td>11/9</td>
<td>23060</td>
<td>5.7</td>
<td>21,745.56</td>
<td>0.22</td>
<td>47.8%</td>
<td>0.94</td>
<td>204.41</td>
<td></td>
</tr>
<tr>
<td>11/9 3788</td>
<td>11/9</td>
<td>16100</td>
<td>9.4</td>
<td>16,398.60</td>
<td>0.24</td>
<td>39.36</td>
<td>1.20</td>
<td>196.78</td>
<td></td>
</tr>
<tr>
<td>11/10 3791</td>
<td>11/10</td>
<td>21340</td>
<td>7.3</td>
<td>19,782.18</td>
<td>0.25</td>
<td>49.46</td>
<td>1.32</td>
<td>261.12</td>
<td></td>
</tr>
<tr>
<td>11/12 3800</td>
<td>11/12</td>
<td>16600</td>
<td>9.1</td>
<td>15,089.40</td>
<td>0.15</td>
<td>22.63</td>
<td>0.61</td>
<td>122.22</td>
<td></td>
</tr>
<tr>
<td>11/12 3805</td>
<td>11/12</td>
<td>14880</td>
<td>6.6</td>
<td>13,601.88</td>
<td>0.11</td>
<td>15.23</td>
<td>0.72</td>
<td>99.66</td>
<td></td>
</tr>
<tr>
<td>11/13 3803</td>
<td>11/13</td>
<td>23260</td>
<td>10.4</td>
<td>20,858.88</td>
<td>0.13</td>
<td>27.18</td>
<td>0.76</td>
<td>154.36</td>
<td></td>
</tr>
<tr>
<td>11/13 3954</td>
<td>11/13</td>
<td>22740</td>
<td>7.7</td>
<td>20,969.02</td>
<td>0.12</td>
<td>25.19</td>
<td>0.66</td>
<td>138.53</td>
<td></td>
</tr>
<tr>
<td>11/15 3960</td>
<td>11/15</td>
<td>16660</td>
<td>4.0</td>
<td>15,993.60</td>
<td>0.66</td>
<td>105.56</td>
<td>2.60</td>
<td>415.83</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>156,600</td>
<td>7.6</td>
<td>144,699.14</td>
<td>0.23</td>
<td>332.39</td>
<td>1.10</td>
</tr>
</tbody>
</table>

U-2O₅ Payment = (332.39) ($3.50) = 1,163.37
Development Allowance = (332.39) ($0.50) = 166.20
Premium (as 4% of) ((332.39) - (78.35)($0.75 = 32.24
V-2O₅ Payment = (1592.91) ($0.31) = 492.80

Total = 1,855.61

INEA Royalty at 5.0% = 92.78
# ORE SETTLEMENT

**UNION CARBIDE NUCLEAR COMPANY**  
A Division of Union Carbide and Carbon Corporation

## RECEIVING STATION
- **Reply, Colorado**  
- **Lot No. 1877**  
- **Shippers Lot Number**  
- **A.E.C. License No.**  
- **Price No.**

## ADDRESS
**Lot 55 Mine, Medora, N.D.**  
**Mining District.**

## CONGRESS NO. 1 ATICS CONTENTS POUNDS
<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.O. V.O. CaCO_3</td>
<td></td>
</tr>
<tr>
<td>U.O. V.O. CaCO_3</td>
<td></td>
</tr>
</tbody>
</table>

## Voucher Number
**11-480**  
**Check Number.**  
**20727**  
**Date.**  
**11-14-57**

## Seller or Agent
**A.G. LUNDEQUIST**

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Union Carbide Nuclear Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the Union Carbide Nuclear Company, a division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total US08, V205 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore delivered described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture content, of US08 contents and of V205 contents of the several loads delivered and covered by this settlement.

---

**Voucher Number:**  
**Check Number:**  
**Date:**  
**11-14-57**

---

**APR 3, 1958**

---

**25 c. 07**

---

148-6-53 Little Telegram
ORE SETTLEMENT

RECEIVING STATION. 

Lot | Net Weight | Dry Weight | UO₂ | V₂O₅ | CaCO₃ | U₃O₈ | V₂O₅ | CaCO₃ |
---|-------------|------------|-----|-------|-------|------|-------|-------|
     |             |            |     |       |       |      |       |       |

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight</th>
<th>Dry Weight</th>
<th>UO₂</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11,400</td>
<td>11,144.28</td>
<td>8.06</td>
<td>2.66</td>
<td>28.36</td>
<td>0.48</td>
<td>120.46</td>
<td>226.44</td>
</tr>
</tbody>
</table>

PRICED PER A.E.C. CIRCULAR NO. 5 (CO2)

<table>
<thead>
<tr>
<th>Lot</th>
<th>Net Weight</th>
<th>Dry Weight</th>
<th>UO₂</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Development Allowance

- 2.08 Payment
- Excess 4 lbs. per ton Premium
- Excess 10 lbs. per ton Premium

Total U3O8 Payment:

Total V2O5 Payment:

Total V2O5 Payment:

Less High Linne Penalty over 6% CaCO₃

Base Penalty

% - 6% Penalty is $ .04 per 1/10th

TOTAL

Haulage Allowance Miles | Wet Tons | per wet ton $0.05 Paid.

Total U3O8 - U3O8 Payment

TOTAL:

I certify that I am the lawful owner or authorized Representative of the lawful owner of the ore described in this Settlement Sheet and have no right other than to deliver the same to the Union Carbide Nuclear Company, a Division of Union Carbide and Carbon Corporation.

I certify that I have the A.E.C. Source Material License numbered above.

The amount of U3O8 and V2O5 and the amount shown above constitutes the entire amount payable to me in respect of the ore described herein and is accepted by me in full payment thereof.

I am not required to make the above payments on the basis of the average of moisture content, of U3O8 contents and of V2O5 contents of the ore described and delivered by this settlement.

Voucher Number: 11-11 | Check Number: 11-11 | Date: 5/8/56

APR 2 1956

BUREAU OF MINES
RIFLE, COLORADO
ORE SETTLEMENT

Recieving Station: Rifle, Colorado
Liquidation No. 461A
Lot No. 8
Shippers Lot No. 8.333
A.E.C. License No. D.4.21

Type of Ore: Carbolex
Milling Claim: Orange No. 7
Mining District: Orange

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight (lbs)</th>
<th>H2O %</th>
<th>Dry Weight (lbs)</th>
<th>U3O8</th>
<th>V2O5</th>
<th>CaCO3</th>
<th>U3O8 Contents</th>
<th>V2O5 Contents</th>
<th>CaCO3 Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>100040</td>
<td>148.05114</td>
<td>70</td>
<td>1600.40</td>
<td>0.84</td>
<td>1.93</td>
<td>50.45</td>
<td>28.6567</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PRICED PER A.E.C. CIRCULAR NO. 5 (REVISED)

<table>
<thead>
<tr>
<th>U3O8 Payment</th>
<th>Pounds</th>
<th>Value</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development Allowance</td>
<td>509.95</td>
<td>509.95</td>
<td>509.95</td>
</tr>
<tr>
<td>Excess 4 lbs. per ton Premium</td>
<td>211.35</td>
<td>211.35</td>
<td>211.35</td>
</tr>
<tr>
<td>Excess 10 lbs. per ton Premium</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total U3O8 Payment</td>
<td>1326.57</td>
<td>1326.57</td>
<td>1326.57</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>V2O5 Payment</th>
<th>Pounds</th>
<th>Value</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>V2O5 Payment</td>
<td>218.67</td>
<td>218.67</td>
<td>218.67</td>
</tr>
<tr>
<td>Less High Lime Penalty over 6% CaCO3</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Base Penalty</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>% Penalty @ $0.04 per 1/10th</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>TOTAL</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Haulage Allowance: 1 Mile per wet ton F.O.B. Mine

Total U3O8, V2O5 Payment: 3087.43

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Union Carbide Nuclear Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the Union Carbide Nuclear Company, a division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U3O8, V2O5 Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U3O8 contents and of V2O5 contents of the several loads delivered and covered by this settlement.

Voucher Number 12-353 | Date 12-27-55
Check Number 21470 | Date 12-27-55

Approved for Payment: A.O. LUNDQUIST

DMEA - Date Rec'd. 12-27-55

Seller or Agent

APR 2 1956
UNION CARBIDE NUCLEAR COMPANY  
A Division of Union Carbide and Carbon Corporation

ORE SETTLEMENT

Receiving Station: Rifle, Colorado  
Lot No.: 4055  
Lot Type: Ore  
Mining Claim: Browns  
Capital:  

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Total Weight</th>
<th>% H2O</th>
<th>Dry Weight</th>
<th>UO2</th>
<th>V2O5</th>
<th>CaCO3</th>
<th>CONTENTS Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SETTLEMENT ABBREVS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>UO2</td>
<td>V2O5</td>
<td>CaCO3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PRICED PER A.E.C. CIRCULAR No. 3(Revised)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DEVELOPMENT ALLOWANCE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EXCESS 4 LBS. PER TON PREMIUM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EXCESS 10 LBS. PER TON PREMIUM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTAL U308 PAYMENT</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTAL V205 PAYMENT</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LESS HIGH LIME PENALTY OVER 6% CaCO3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTAL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MISHALAGE ALLOWANCE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Lbs premium @ $0.04 per 1/10th  
3.00% high lime penalty over 6% CaCO3  
0.04 per 1/10th  
0.04 per 1/10th  

I certify that I am the lawful owner or authorized representative of the lawful owner of the ore described in this Settlement Sheet and have legal right to deliver the same to the Union Carbide Nuclear Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the Union Carbide Nuclear Company, a division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U308, V205 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

Voucher Number: 1-134  
Check Number: 21733  

Approved for Payment: J.F. Brenton  
Bellev or Agent

10-9-33 11:52 a.m.
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>Dry Weight Pounds</th>
<th>Settlement Assays</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>0-363</td>
<td>21,500</td>
<td>3.9</td>
<td>0.48</td>
<td>2.74</td>
</tr>
<tr>
<td>0-362</td>
<td>21,492</td>
<td>5.8</td>
<td>0.32</td>
<td>2.52</td>
</tr>
<tr>
<td>42,968</td>
<td>40,808</td>
<td>5.3</td>
<td>0.300062</td>
<td>2.629039</td>
</tr>
</tbody>
</table>

**Payment Details**

- **Development allowance**: 203.00 lbs. at $0.50 per lb = $101.50
- **Development allowance**: 203.00 lbs. at $0.50 per lb = $101.50
- **Ownership allowance**: 203.00 lbs. at $0.50 per lb = $101.50

**Total Gross Price**

- **Royalty**: 6% of $2,364.29 = $139.64

**Total Gross Price**: $2,503.93

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

*Seller or Agent.*

CU-178 10M-3-56 W&Y
Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, DMEA Docket 2446 (Uranium), Contract Idm-8445, Boomerang Mining Company - Utah

Period: March, 1956

During the above month the following royalty payments were received for ore or concentrates shipped from the subject property:

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Dry Tons</th>
<th>Royalty Due</th>
<th>Royalty Pd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2238</td>
<td>3/9/56</td>
<td>29.558</td>
<td>$30.24</td>
</tr>
</tbody>
</table>

Totals: 29.558 $30.24 $30.24

Past Due Royalties Collected $370.84

Total Dry Tons (Ore or Cons.) Shipped to Date 2088.266

Expiration Date of Royalty Repayment November 1, 1962

Amount of Government Participation $21,438.07

Total Royalty Payments to Date $4,752.28

Percent of Loan Repayment 22.17%

W. M. Traver

cc Royalty File E 445 w/Settlement Sheets
Monthly Royalty Payment File
T. A. Christensen
S. R. Wilson w/settlement sheet
Chron.
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>Ca CO₃</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5473</td>
<td>20,670</td>
<td>11.8</td>
<td>13,231</td>
<td>620</td>
<td>497</td>
<td>3.15</td>
<td>36.66</td>
</tr>
<tr>
<td>3-5562</td>
<td>25,520</td>
<td>12.6</td>
<td>17,616</td>
<td>716</td>
<td>1.86</td>
<td>3.30</td>
<td>31.67</td>
</tr>
<tr>
<td>3-5613</td>
<td>26,570</td>
<td>11.2</td>
<td>14,266</td>
<td>2,12</td>
<td>0.33</td>
<td>7.83</td>
<td>21.98</td>
</tr>
<tr>
<td>87,080</td>
<td>11.3</td>
<td>5,115</td>
<td></td>
<td>0.152</td>
<td>0.096</td>
<td>4.88</td>
<td>70.05</td>
</tr>
</tbody>
</table>

**Settlement Assays**

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>Ca CO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5473</td>
<td>20,670</td>
<td>620</td>
<td>497</td>
<td>3.15</td>
</tr>
<tr>
<td>3-5562</td>
<td>25,520</td>
<td>716</td>
<td>1.86</td>
<td>3.30</td>
</tr>
<tr>
<td>3-5613</td>
<td>26,570</td>
<td>2,12</td>
<td>0.33</td>
<td>7.83</td>
</tr>
<tr>
<td>87,080</td>
<td>5,115</td>
<td>0.152</td>
<td>0.096</td>
<td>4.88</td>
</tr>
</tbody>
</table>

**Bill of Sale**

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

CU-178 10M-3-56 W&Y

Seller or Agent.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

CU-178 10M-3-56 W&Y
Memorandum

To: T. A. Christensen
From: Executive Officer, DMIA Field Team, Region III
Subject: Royalty Payment - DMIA Docket 2446, (Uranium), Contract IDA-E445, Boomerang Mining Company - Utah

Enclosed is settlement sheet covering shipment of ore to Climax Uranium Company from Croff Oil Company under Liquidation No. 219.

Also enclosed is Climax Uranium Company check No. 19323 in the amount of $39.29 in full payment of royalty due on this shipment.

W. M. TRAVER
W. M. Traver

Enclosures

vj

cc: Royalty File E445
Sec. Opr. Comm. (2) w/settlement sheet
S. R. Wilson w/settlement sheet
Royalty Report File
Chron.
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-9672</td>
<td>19,992</td>
<td>11.8</td>
<td>17,711</td>
<td>0.26</td>
<td>1.74</td>
</tr>
<tr>
<td>3-9611</td>
<td>20,258</td>
<td>11.4</td>
<td>16,102</td>
<td>0.26</td>
<td>1.41</td>
</tr>
<tr>
<td></td>
<td>49,440</td>
<td>11.2</td>
<td>43,814</td>
<td>0.26</td>
<td>1.34</td>
</tr>
</tbody>
</table>

For lb. | $2.50 | $17.57 | $41.92 | $85.70

Development allowance 188.70 lb. at

Premium in excess of 40 per ton

Total lb. up to 188.70

Less: 21.92 tons @ 40 lb. per ton

Furnace lb. 166.78

Total Gross Payment

Barrels allowance $5.00 per ton

Total Gross Price

Reductions:

Royalty - Defense Minerals Exploration Administration 3% of $758.71

Net Proceeds

$754.68

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

CU-178 55-8-55 W&T
Memorandum

To: T. A. Christensen
From: Executive Officer, DMEX Field Team, Region III

Subject: Royalty Payment - DMEX Backet 2446 (Uranium), Contract IDM-2445, Boomerang Mining Company - Utah

Enclosed is settlement sheet covering shipment of ore to Climax Uranium Company from Croff Oil Company under Liquidation No. 213.

Also enclosed is Climax Uranium Company check No. 19144 in the amount of $47.32 in full payment of royalty due on this shipment.

W. M. TRAVER
W. M. Traver

Enclosures

vJ

cc: Royalty File E445
Sec. Opr. Comm. (2) w/settlement sheet
S. R. Wilson w/settlement sheet
Royalty Report File
Chron.
Receiving Station: CLIMAX URANIUM COMPANY

Lot No.: 2143

Shippers Lot No.: 

A.E.C. License No.: P-2536

Grand Junction, Colorado, February 2, 1956

Lot No._____________________ Shippers Lot No.__________________________

Bought of: Croff Oil Company

A.E.C. License No.: P-2536

309 Uranium Center Bldg., Grand Junction, Colorado

Type of Ore: Carnetite

Date Received: 1/16/56 thru 1/31/56

Mining Claim: Carnetite (Boraxa #2) Mining District, Gateway (Beaver Mesa)

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight</th>
<th>H₂O</th>
<th>Dry Weight</th>
<th>Dry Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pounds</td>
<td></td>
<td>Pounds</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>7.6</td>
<td>17,528</td>
<td>0.38</td>
</tr>
<tr>
<td>5-9017</td>
<td>18,970</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>21.995</td>
<td>3.3</td>
<td></td>
<td>1.64</td>
</tr>
<tr>
<td></td>
<td>42,890</td>
<td>8.5</td>
<td>39,223</td>
<td>5.84</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Settlement Assays</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈</td>
</tr>
<tr>
<td>2.00</td>
</tr>
<tr>
<td>2.00</td>
</tr>
<tr>
<td>13.20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈</td>
</tr>
<tr>
<td>66.61</td>
</tr>
<tr>
<td>71.59</td>
</tr>
</tbody>
</table>

| Type of Ore: Carnetite |

<table>
<thead>
<tr>
<th>Development allowance 138.20 lbs. at</th>
</tr>
</thead>
<tbody>
<tr>
<td>.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Premium in excess of 4# per ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total lbs. U₃O₈</td>
</tr>
<tr>
<td>Less: 19.61 Tons @ 4#</td>
</tr>
<tr>
<td>Premium Lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total U₃O₈ Payment</th>
</tr>
</thead>
<tbody>
<tr>
<td>.75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Haulage allowance $6.05 per wet ton</th>
</tr>
</thead>
</table>

| Type of Ore: Carnetite |

<table>
<thead>
<tr>
<th>1.8008828 = 706.36 lbs. at</th>
</tr>
</thead>
<tbody>
<tr>
<td>.31</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Gross Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>946.33</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Deductions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Royalty - Defense Minerals Exploration Administration - 5% of $946.33</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Net Proceeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>899.01</td>
</tr>
</tbody>
</table>

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Seller or Agent:

U-178 SM-O-33 WAT
Memorandum

To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payment - DMEA Docket 2446 (Uranium), Contract Idm- E445, Boomerang Mining Company - Utah

Enclosed is settlement sheet covering shipment of ore to Climax Uranium Company from the Croff Oil Company under Liquidation No. 2121.

Also enclosed is Climax Uranium Company check No. 18901 in the amount of $53.99 in full payment of royalty due on this shipment.

W. M. TRAVER

W. M. Traver

Enclosures

vJ

cc: Royalty File E445
    Sec. Opr. Comm. (2) v/settlement sheet
    S. R. Wilson v/settlement sheet
    Royalty Report File
    Chron.
Climax Uranium Company
Grand Junction, Colo.

Receiving Station: Climax Uranium Company
Grand Junction, Colorado
Lot No. 11

Shippers Lot No.

A.E.C. License No.

Bought of: Consolidated Uranium Company
Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Liquidation No.
Lot No.

Shippers Lot No.

Bought of: Consolidated Uranium Company

Address: 297 Uranium Center Building, Grand Junction, Colorado

Type of Ore: Carnotite

Date, Received: 1/1/55 thru 1/19/55

Table:

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight</th>
<th>H₂O</th>
<th>Dry Weight</th>
<th>²U₃O₈</th>
<th>V₂O₅</th>
<th>(CaCO₃)</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>20.491</td>
<td>9.9</td>
<td>17.507</td>
<td>0.26</td>
<td>1.26</td>
<td>3.77</td>
<td>62.13</td>
</tr>
<tr>
<td>2</td>
<td>20.791</td>
<td>9.4</td>
<td>18.256</td>
<td>0.18</td>
<td>1.22</td>
<td>3.21</td>
<td>62.06</td>
</tr>
<tr>
<td>3</td>
<td>20.876</td>
<td>8.6</td>
<td>18.406</td>
<td>0.33</td>
<td>1.67</td>
<td>4.95</td>
<td>75.58</td>
</tr>
<tr>
<td>Total</td>
<td>61.158</td>
<td>9.2</td>
<td>54.169</td>
<td>0.28</td>
<td>3.11</td>
<td>9.08</td>
<td>140.39</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>²U₃O₈</th>
<th>V₂O₅</th>
<th>(CaCO₃)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.18</td>
<td>1.22</td>
<td>3.21</td>
</tr>
<tr>
<td>0.33</td>
<td>1.67</td>
<td>4.95</td>
</tr>
<tr>
<td>0.28</td>
<td>3.11</td>
<td>9.08</td>
</tr>
</tbody>
</table>

Buyers assayed govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Seller or Agent.

CU-178 8M 8-55 WAY

I, (signature), certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Seller or Agent.

CU-178 8M 8-55 WAY
Memorandum

To: T. A. Christensen

From: Executive Officer, DEAA Field Team, Region III

Subject: Royalty Payment - DEAA Docket 2446 (Uranium), Contract ID- E445, Boomerang Mining Company - Utah

Enclosed is settlement sheet covering shipment of ore to Climax Uranium Company from the Croff Oil Company under Liquidation No. 2108.

Also enclosed is Climax Uranium Company check No. 18785 in the amount of $58.61 in full payment of royalty due on this shipment.

W. M. Traver

Enclosures

vJ

cc: Royalty File E445
Sec. Opr. Comm. (2) w/settlement sh set
S. R. Wilson w/settlement sheet
Royalty Report File
Chron.
I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certifie that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.
Memorandum

To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payment - DMEA Docket 2446 (Uranium), Contract Idm-445, Boomerang Mining Company - Utah

Enclosed is settlement sheet covering shipment of ore to Climax Uranium Company from Croft Oil Company under Liquidation No. 2075.

Also enclosed is Climax Uranium Company check No. 18490 in the amount of $1140.32 in full payment of royalty due on this shipment.

W. M. Traver

Enclosures

cc: Royalty File E445
    Sec. Opr. Comm. (2) v/settlement sheet
    S. R. Wilson v/settlement sheet
    Royalty Report File
    Chron.
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-6474</td>
<td>27,790</td>
<td>9.6</td>
<td>25,302</td>
<td>0.60</td>
<td>2.98</td>
<td>6.08</td>
<td>151.62</td>
</tr>
<tr>
<td>3-6512</td>
<td>23,448</td>
<td>7.9</td>
<td>19,258</td>
<td>0.65</td>
<td>3.11</td>
<td>6.79</td>
<td>125.81</td>
</tr>
<tr>
<td>3-6546</td>
<td>23,358</td>
<td>9.1</td>
<td>19,317</td>
<td>0.73</td>
<td>3.60</td>
<td>5.43</td>
<td>114.07</td>
</tr>
</tbody>
</table>

**Settlement Assays**

<table>
<thead>
<tr>
<th></th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Short Tons</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U₃O₈</strong></td>
<td>$3.50</td>
<td>$45.69</td>
<td>32.72</td>
<td>$1,561.40</td>
</tr>
<tr>
<td>Development allowance</td>
<td>0.50</td>
<td>6.56</td>
<td>32.72</td>
<td>214.49</td>
</tr>
<tr>
<td>Premium in excess of 10% per ton</td>
<td>4.26.97</td>
<td>233.97</td>
<td>32.72</td>
<td>233.97</td>
</tr>
<tr>
<td>Total U₃O₈ Payment</td>
<td>$1,964.90</td>
<td>189.03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haulage allowance 5.29 per wet ton</td>
<td>0.31</td>
<td>19.91</td>
<td>32.72</td>
<td>63.24</td>
</tr>
<tr>
<td><strong>Total Gross Price</strong></td>
<td>$2,006.31</td>
<td>160.32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reductions - Royalty - Defense Minerals Exploration Administration - % of $2,006.31</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Net Proceeds**

|                      | $2,006.31 |

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Seller or Agent.
Memorandum

To: T. A. Christensen
From: Acting Executive Officer, DMX Field Team, Region III
Subject: Royalty Payment - DMX Docket 2445 (Uranium), Contract Xnnx-E445, Doomsday Mining Company - Utah

Enclosed are settlement sheets covering shipments of ore to Climax Uranium Company from Croft Oil Company under Liquidation Nos. 1954, 1989, 2006 and 2039.

Also enclosed are Climax Uranium Company checks in full payment of royalty due on these shipments as follows:

<table>
<thead>
<tr>
<th>Check No.</th>
<th>Lot No.</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>17821</td>
<td>1954</td>
<td>$18.55</td>
</tr>
<tr>
<td>17990</td>
<td>1989</td>
<td>38.24</td>
</tr>
<tr>
<td>18168</td>
<td>2006</td>
<td>28.25</td>
</tr>
<tr>
<td>18302</td>
<td>2039</td>
<td>100.07</td>
</tr>
</tbody>
</table>

Enclosures

cc: Royalty File E445
Sec. Opr. Comm. (2) w/settlement sheets
S. R. Wilson w/settlement sheets
Royalty Report File
Chron.

E. R. Kershman
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-7723</td>
<td>20,100</td>
<td>6.7</td>
<td>18,753</td>
<td>0.31</td>
<td>1.51</td>
<td>7.06</td>
<td>58.13</td>
</tr>
</tbody>
</table>

**U₃O₈**

- Development allowance 58.13 lbs. at
- Premium in excess of 1% per ton
- Total lbs. U₃O₈: 58.13
- Less: 9.36 tons @ 4%: 37.52
- Premium lbs.: 20.61 at

- Total U₃O₈ Payment: $247.99

**V₂O₅**

- 1.51% = 283.17 lbs. at
- Less: Excess Lime Charge
- 9.36 tons @ $1.32 Per ton

- Total Gross Price: $370.93

**Deductions:**

1. Royalty - Defense Minerals Exploration Administration - 5% of $370.93

- Net Proceeds: $352.38

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment. All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Seller or Agent.
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-6326</td>
<td>12,988</td>
<td>4.9</td>
<td>17,672</td>
<td>0.17</td>
<td>0.79</td>
<td>5.10</td>
</tr>
<tr>
<td>5-6327</td>
<td>21,138</td>
<td>7.3</td>
<td>19,772</td>
<td>0.30</td>
<td>1.41</td>
<td>5.14</td>
</tr>
<tr>
<td>5-6328</td>
<td>22,117</td>
<td>7.4</td>
<td>15,936</td>
<td>0.13</td>
<td>0.24</td>
<td>4.98</td>
</tr>
<tr>
<td>Total</td>
<td>66,233</td>
<td>15.6</td>
<td>53,380</td>
<td>0.035</td>
<td>1.46</td>
<td>5.03</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Per lb.</th>
<th>Per ton</th>
<th>Short Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development allowance 114.43 lbs. at</td>
<td>.50</td>
<td>2.02</td>
<td>28.33</td>
<td>28.33</td>
</tr>
<tr>
<td>Total U₃O₈ Payment</td>
<td></td>
<td></td>
<td></td>
<td>777.73</td>
</tr>
<tr>
<td>Mileage allowance 70 miles at 60 per wet ten mile</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Royalty - Defense Minerals Exploration Administration</td>
<td></td>
<td></td>
<td></td>
<td>22.26</td>
</tr>
<tr>
<td>Net Proceeds</td>
<td></td>
<td></td>
<td></td>
<td>774.75</td>
</tr>
</tbody>
</table>

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U.S. Atomic Energy Commission Published Schedules.

Seller or Agent.

CU-178 SM-8-59 W&Y
### Receiving Station
CLIMAX URANIUM COMPANY GRAND JUNCTION, COLO.

### Liquidation No.
2922

### Bought of
Coffin Oil Company

### Address
707 Premier Senator Rdg., Grand Junction, Colorado

### Type of Ore
Bonanza 2 (Bonanza) Mining District, Gateway (Beaver Mesa)

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>H₂O</th>
<th>Dry Weight Pounds</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>5-6198</td>
<td>20,220</td>
<td>8.1</td>
<td>19,582</td>
<td>0.36</td>
<td>2.19</td>
</tr>
</tbody>
</table>

**E218**

0.36% = 66.90 lbs. at

Development allowance 66.90 lbs. at

<table>
<thead>
<tr>
<th>Premium in excess of 4% per ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total lbs. E218</td>
</tr>
<tr>
<td>Less: 9.29 tons x 4%</td>
</tr>
<tr>
<td>PREMIUM LBS.</td>
</tr>
</tbody>
</table>

Total E218 Payment

Haulage allowance $6.82 per wet ton

**E225**

2.19% = 406.95 lbs. at

Total Gross Price

1. Royalty - D. N. E. & - 5% of $485.01

**Net Proceeds**

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to Climax Uranium Company.

I hereby transfer to Climax Uranium Company, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

---

Seller or Agent.

CU-178 5M-8-85 W&Y
<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Wet Weight Pounds</th>
<th>Dry Weight Pounds</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>5-6390</td>
<td>29,120</td>
<td>9.9</td>
<td>26.47</td>
<td>4.26</td>
</tr>
<tr>
<td>5-6359</td>
<td>21,060</td>
<td>8.4</td>
<td>19.291</td>
<td>2.95</td>
</tr>
<tr>
<td>5-6427</td>
<td>20,080</td>
<td>8.3</td>
<td>17.167</td>
<td>2.06</td>
</tr>
<tr>
<td>71,060</td>
<td></td>
<td>9.0</td>
<td>66.673</td>
<td>2.3126</td>
</tr>
</tbody>
</table>

**U₃O₈**

0.462188% 298.92 lbs. at

Development allowance 298.92 lbs. at

Premium in excess of 4% per ton

<table>
<thead>
<tr>
<th>Total lbs. U₃O₈</th>
<th>Loss: 32.34 Tons @ 4%</th>
<th>Premium LBS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>298.92</td>
<td>189.56 at</td>
<td>.75</td>
</tr>
</tbody>
</table>

Total U₃O₈ Payment

$1,322.85

Haulage allowance $6105 per wet ton

**U₂O₅**

2.3126253 = 1,495.60 lbs. at

Total Gross Price

$2,001.47

Deductions:

1. Royalty - Defense Mine and Exploration Administration - 5% of $2,001.47

$100.07

Net Gross Price

$1,901.40
To: T. A. Christensen
From: Acting Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments - DMEA Docket 2446 (Grenium), Contract IDM-3445, Doonrang Mining Company - Utah

Enclosed are settlement sheets covering ore shipped to the United States Vanadium Company from Croff Oil Company under Liquidation Nos. R-937, R-975 and R-985.

Royalty due on these shipments (prorated as per our calculation sheets attached) has been requested from the operator.

E. M. Marshman

Enclosures

vj

cc: Royalty File 3445
Sc. Opr. Comm. (2) w/settlement sheets
S. R. Wilson w/settlement sheets
Royalty Report File
Chron.
Calculation of DMEA Royalty due

July 22, 1955

Production from Bonanza No. 2 Claim only.
(Black Mica not subordinated to Government)

<table>
<thead>
<tr>
<th>Shipped Date</th>
<th>Ticket No.</th>
<th>Pounds Ore</th>
<th>Per Cent</th>
<th>Pounds Dry Ore</th>
<th>Grade</th>
<th>Pounds</th>
<th>Grade</th>
<th>Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/7</td>
<td>32865</td>
<td>19320</td>
<td>1.9</td>
<td>18,952.92</td>
<td>0.27</td>
<td>51.17</td>
<td>2.30</td>
<td>435.92</td>
</tr>
<tr>
<td>7/8</td>
<td>32899</td>
<td>33900</td>
<td>4.6</td>
<td>32,340.60</td>
<td>0.24</td>
<td>77.62</td>
<td>2.0</td>
<td>650.05</td>
</tr>
<tr>
<td>7/9</td>
<td>32930</td>
<td>37020</td>
<td>4.6</td>
<td>35,317.08</td>
<td>0.50</td>
<td>176.59</td>
<td>2.45</td>
<td>865.27</td>
</tr>
<tr>
<td>7/12</td>
<td>33061</td>
<td>32160</td>
<td>4.6</td>
<td>30,680.64</td>
<td>0.49</td>
<td>150.34</td>
<td>2.69</td>
<td>825.31</td>
</tr>
<tr>
<td>7/15</td>
<td>33126</td>
<td>36960</td>
<td>4.6</td>
<td>35,259.84</td>
<td>0.32</td>
<td>112.83</td>
<td>1.78</td>
<td>627.63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>159360</td>
<td>4.3</td>
<td>152,551.08</td>
<td>0.37</td>
<td>568.55</td>
<td>2.23</td>
<td>3404.18</td>
</tr>
</tbody>
</table>

\[U_3O_8 \text{ Payment} = (568.55) \times (\$3.50) = \$1,989.93\]

\[\text{Development Allowance} = (568.55) \times (\$0.50) = 284.28\]

\[\text{Premium (xs 4#/#ton)} = ((568.55) - (76.28)(4)) \times \$0.75 = 197.57\]

\[V_{205} \text{ Payment} = (3404.18) \times (\$0.31) = \$1,055.30\]

\[\text{Haulage Allowance} = 79.68 \text{ tons} \times 13\% \text{ mi. at .07 per ton mi.} = 747.40\]

\[\text{Total} = \$4,274.48\]

\[\text{DMEA Royalty at 5.0%} = 213.72\]
ORE SETTLEMENT

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight</th>
<th>%</th>
<th>Dry Weight</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pounds</td>
<td></td>
<td>Pounds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>182,000</td>
<td>4.3</td>
<td>174,175.6</td>
<td>0.36</td>
<td>2.11</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>U₃O₈ Payment</th>
<th>Development Allowance</th>
<th>Excess 4 lbs. per ton Premium</th>
<th>Excess 10 lbs. per ton Premium</th>
<th>Total U₃O₈ Payment</th>
<th>V₂O₅ Payment</th>
<th>Total V₂O₅ Payment</th>
<th>Less High Line Penalty over 6% CaCO₃</th>
<th>Base Penalty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>627.05</td>
<td>627.05</td>
<td>278.61</td>
<td></td>
<td>277.17</td>
<td>3679.34</td>
<td>1140.60</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Haulage Allowance</th>
<th>Miles</th>
<th>Wet Tons</th>
<th>@ per wet ton mile</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Voucher Number</th>
<th>Check Number</th>
<th>Date</th>
<th>Sold or Agent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1429</td>
<td>7-25-55</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U₃O₈, V₂O₅ and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U₃O₈ contents and of V₂O₅ contents of the several loads delivered and covered by this settlement.

I, [Signature], certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U₃O₈, V₂O₅ and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U₃O₈ contents and of V₂O₅ contents of the several loads delivered and covered by this settlement.

<table>
<thead>
<tr>
<th>Voucher Number</th>
<th>Check Number</th>
<th>Date</th>
<th>Sold or Agent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1429</td>
<td>7-25-55</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

THE SENTINEL PRINTERS
# Load Detail

**Period:** 7-1-55 to 7-15-55

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Croff Oil Co</td>
<td>Delta, Colorado</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Claim</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Osenga #2, Black Mesa</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shipped Date</th>
<th>Ticket Number</th>
<th>Pounds Ore</th>
<th>Lab. Assay No.</th>
<th>Per Cent Moisture</th>
<th>Pounds U₃O₅</th>
<th>Pounds U₃O₈</th>
<th>Pounds V₂O₅</th>
<th>Pounds V₂O₇</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-7</td>
<td>32860</td>
<td>19320</td>
<td>156.55</td>
<td>1.9</td>
<td>18,958.92</td>
<td>0.17</td>
<td>51.17</td>
<td>2.30</td>
<td>435.92</td>
</tr>
<tr>
<td>7-8</td>
<td>32899</td>
<td>33900</td>
<td>158.55</td>
<td>4.6</td>
<td>52,340.60</td>
<td>0.24</td>
<td>77.67</td>
<td>2.01</td>
<td>651.05</td>
</tr>
<tr>
<td>7-9</td>
<td>32930</td>
<td>37020</td>
<td></td>
<td>4.6</td>
<td>55,317.08</td>
<td>0.50</td>
<td>176.59</td>
<td>2.45</td>
<td>865.27</td>
</tr>
<tr>
<td>7-12</td>
<td>33061</td>
<td>32160</td>
<td>154.55</td>
<td>4.6</td>
<td>36,680.64</td>
<td>0.49</td>
<td>150.04</td>
<td>2.69</td>
<td>825.31</td>
</tr>
<tr>
<td>7-15</td>
<td>33126</td>
<td>36960</td>
<td>163.55</td>
<td>4.6</td>
<td>58,259.84</td>
<td>0.35</td>
<td>112.83</td>
<td>1.78</td>
<td>867.63</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOTAL</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ticket #33063**

- 113 yds @ 1.07 g/l = $108.56
- All others: 1968 yds @ 1.07 g/l = $474.40

**Total:** $855.96
ORE SETTLEMENT

August 2, 1955

CROFF OIL COMPANY

BONANZA #2

Liq. No. 937

7-1-55 thru 7-15-55

<table>
<thead>
<tr>
<th>DATE</th>
<th>TICKET</th>
<th>NET WEIGHT</th>
<th>% H2O</th>
<th>DRY WEIGHT</th>
<th>$ U308</th>
<th>$ V205</th>
<th>LBS. U308</th>
<th>LBS. V205</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-2</td>
<td>32865</td>
<td>19320</td>
<td>1.9</td>
<td>18,952.92</td>
<td>0.27</td>
<td>2.30</td>
<td>51.17</td>
<td>435.92</td>
</tr>
<tr>
<td>7-8</td>
<td>32899</td>
<td>33900</td>
<td>4.6</td>
<td>32,340.60</td>
<td>0.24</td>
<td>2.01</td>
<td>77.62</td>
<td>650.05</td>
</tr>
<tr>
<td>7-9</td>
<td>32930</td>
<td>37020</td>
<td>&quot;</td>
<td>35,317.08</td>
<td>0.50</td>
<td>2.45</td>
<td>176.59</td>
<td>865.27</td>
</tr>
<tr>
<td>7-12</td>
<td>33061</td>
<td>32160</td>
<td>&quot;</td>
<td>30,680.64</td>
<td>0.49</td>
<td>2.69</td>
<td>150.34</td>
<td>825.31</td>
</tr>
<tr>
<td>7-15</td>
<td>33126</td>
<td>36960</td>
<td>&quot;</td>
<td>35,259.84</td>
<td>0.32</td>
<td>1.78</td>
<td>112.83</td>
<td>627.63</td>
</tr>
</tbody>
</table>

159360  152,551.08  0.37  2.24  568.55  3404.18

U308 Payment 568.55 @ 3.50 $1,989.93
Premium " 263.45 @ .75 197.59
V208 Payment 3,404.18 @ .31 1,055.30

$3,242.82
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Calculation of DMEA Royalty due

Liquidation No. R-975

August 5, 1955

Production from Bonanza No. 2 Claim only.
(Black Mica not subordinated to Government)

<table>
<thead>
<tr>
<th>Shipped Ticket Date</th>
<th>No.</th>
<th>Pounds Ore</th>
<th>Per Cent Moisture</th>
<th>Pounds Dry Ore</th>
<th>Grade U308</th>
<th>Pounds U308</th>
<th>Grade V205</th>
<th>Pounds V205</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/23 33365</td>
<td>38000</td>
<td>4.9</td>
<td>36,138.00</td>
<td>0.25</td>
<td>90.35</td>
<td>1.47</td>
<td>531.23</td>
<td></td>
</tr>
<tr>
<td>7/28 33496</td>
<td>38180</td>
<td>5.4</td>
<td>36,118.28</td>
<td>0.63</td>
<td>227.55</td>
<td>2.45</td>
<td>884.90</td>
<td></td>
</tr>
<tr>
<td>7/30 33567</td>
<td>29720</td>
<td>5.6</td>
<td>21,447.68</td>
<td>0.46</td>
<td>98.66</td>
<td>2.32</td>
<td>497.59</td>
<td></td>
</tr>
<tr>
<td></td>
<td>98900</td>
<td>5.3</td>
<td>93,703.96</td>
<td>0.44</td>
<td>426.56</td>
<td>2.04</td>
<td>1913.72</td>
<td></td>
</tr>
</tbody>
</table>

U308 Payment: \( (416.56 \times 13.50) \) \$1,457.96
Development Allowance: \( (416.56 \times 0.50) \) \$208.28
Premium (\( \times $$4/\text{ton} \)) \( ((416.56 \times 46.85)/4) \times 0.75 \) \$171.87
V205 Payment: \( (1913.72 \times 0.31) \) \$593.25
Haulage Allowance: 49.45 tons - 13\% Mf. at \$0.07 per ton m}. \$463.84

Total \$2,895.20

DMEA Royalty at 5.0\% \$144.76
ORE SETTLEMENT

RECEIVED

ORE SETTLEMENT SHEET

RECEIVING STATION: Rifle, Colorado

OCCUPATION NO.: 4-27

Lot No.: 401

SHIPS LOT NO.: P.2536

Bought No.: 5776

DATE RECEIVED: 7/16/55 thru 7/31/55

Net Weight: 186,300 lbs

Dry Weight: 178,717.7 lbs

H2O: 4.1%

U3O8: 1.59%

V2O5: 1.61%

CaCO3: 670.40

U3O8 Payment: $2,916.32

V2O5 Payment: $944.57

Base Penalty: $882.42

Total: $4,743.83

I certify that I am the lawful owner or authorized representative of the lawful owner of the ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U3O8, V2O5 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U3O8 contents and of V2O5 contents of the several loads delivered and covered by this settlement.
### United States Vanadium Company
A Division of Union Carbide and Carbon Corporation

**Rifle, Colorado**

**Purchased Ore Load Detail**

**Period:** 7-16-55 thru 7-31-55

**NAME:** Croff Oil Co

**ADDRESS:** Delta, Colorado

**CLAIM:** Black Mesa, Conema #1

<table>
<thead>
<tr>
<th>SHIPPED DATE</th>
<th>TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>LAB. ASSAY NO.</th>
<th>PER CENT MOISTURE</th>
<th>POUNDS DRY ORE</th>
<th>GRADE $U_3O_8$</th>
<th>POUNDS $V_2O_5$</th>
<th>GRADE $V_2O_3$</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-20</td>
<td>33296</td>
<td>20980</td>
<td>166.55</td>
<td>2 6</td>
<td>204345</td>
<td>0.42</td>
<td>85.87</td>
<td>1.21</td>
<td>247.26</td>
</tr>
<tr>
<td>7-23</td>
<td>33365</td>
<td>38000</td>
<td>169.55</td>
<td>4.9</td>
<td>36138.00</td>
<td>0.25</td>
<td>90.35</td>
<td>1.07</td>
<td>531.23</td>
</tr>
<tr>
<td>7-23</td>
<td>33385</td>
<td>22280</td>
<td>168.55</td>
<td>2.0</td>
<td>21834.40</td>
<td>0.25</td>
<td>54.59</td>
<td>0.90</td>
<td>196.51</td>
</tr>
<tr>
<td>7-26</td>
<td>33439</td>
<td>22260</td>
<td>167.55</td>
<td>4.4</td>
<td>21280.56</td>
<td>0.18</td>
<td>38.31</td>
<td>1.03</td>
<td>219.19</td>
</tr>
<tr>
<td>7-28</td>
<td>33496</td>
<td>38180</td>
<td>176.55</td>
<td>5.4</td>
<td>36118.28</td>
<td>0.63</td>
<td>227.55</td>
<td>2.45</td>
<td>884.90</td>
</tr>
<tr>
<td>7-28</td>
<td>33529</td>
<td>21880</td>
<td>171.55</td>
<td>1.9</td>
<td>21464.28</td>
<td>0.35</td>
<td>75.17</td>
<td>1.44</td>
<td>309.09</td>
</tr>
<tr>
<td>7-30</td>
<td>33587</td>
<td>22720</td>
<td>174.55</td>
<td>5.6</td>
<td>21447.68</td>
<td>0.46</td>
<td>48.66</td>
<td>2.32</td>
<td>497.59</td>
</tr>
</tbody>
</table>

**Total:** 186300  4.1  178717.77  0.38  670.40  1.61  2885.77

**Others:**

- **33296 33365 33385 33439 33496 33529 33587:** 49.45 tons 134 mi @ .07 pt/mi mile = $463.84
- **All Others:** 43.70 tons 137 mi @ .07 pt/mi mile = $882.92

**TOTAL:**
## Oil Agreement

August 12, 1955

CROFF OIL COMPANY  
BONANZA NO. 2

<table>
<thead>
<tr>
<th>Date</th>
<th>U3O8</th>
<th>Lb.</th>
<th>Lb.</th>
<th>U3O8</th>
<th>Lb.</th>
<th>Lb.</th>
<th>U3O8</th>
<th>Lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-23</td>
<td>33315</td>
<td>380.00</td>
<td>4.9</td>
<td>3613800</td>
<td>0.25</td>
<td>1.47</td>
<td>90.35</td>
<td>531.23</td>
</tr>
<tr>
<td>7-28</td>
<td>33496</td>
<td>381.20</td>
<td>5.4</td>
<td>3611828</td>
<td>0.63</td>
<td>2.45</td>
<td>227.55</td>
<td>884.90</td>
</tr>
<tr>
<td>7-30</td>
<td>33587</td>
<td>227.20</td>
<td>5.6</td>
<td>2144768</td>
<td>0.46</td>
<td>2.32</td>
<td>98.66</td>
<td>497.59</td>
</tr>
</tbody>
</table>

98700  

9370396  

0.44  

2.09  

416.56  

1913.72

U3O8 Payment 416.56 @ 3.50 = 31,457.96

Premium Payment 229.16 @ 0.75 = 171.87

V205 Payment 1913.72 @ 0.31 = 592.25

52,223.08
ORE SETTLEMENT

Receiving Station: Rifle, Colorado
Liquidation No.: R-985
Lot No.: R-34115
Shippers Lot No.: F-3306
Bought of: Union Carbide and Carbon Corporation
Address: Delta, Colorado

Type of Ore: Cerinite
Mineral Claim: Ormenya
Mining District: Delta, Colorado

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight</th>
<th>Dry Weight</th>
<th>H₂O</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈ Pounds</th>
<th>V₂O₅ Pounds</th>
<th>CaCO₃ Pounds</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>24080</td>
<td>5.6</td>
<td>20843.5</td>
<td>0.18</td>
<td>0.94</td>
<td>7.0</td>
<td>37.5</td>
<td>195.93</td>
<td>185.40</td>
<td>165.05</td>
<td></td>
</tr>
</tbody>
</table>

PRICED PER A.E.C. CIRCULAR NO. 5 (Rev. 3rd)

- **U₃O₈ Payment**
  - Development Allowance
  - Excess 4 lbs. per ton Premium
  - Excess 10 lbs. per ton Premium
  - **Total U₃O₈ Payment**

- **V₂O₅ Payment**
  - **Total V₂O₅ Payment**

Less High Line Penalty over 6% CaCO₃
- Base Penalty: 7.0% - 6.0% = 1.0% Penalty of 8.04 per 1/10th
  - **Total**

Haulage Allowance: 100 Miles at .06 per wet ton mile

- **Total U₃O₈, V₂O₅ and Haulage Payment**

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U₃O₈, V₂O₅ and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

Voucher Number: 1636
Check Number: 1636

Seller or Agent

IM-345 Rifle Telegram
OIL SETTLEMENT

CROFF OXL COMPANY
BONANZA NO. 2

8-15-55

<table>
<thead>
<tr>
<th>DATE</th>
<th>TICKET</th>
<th>NET WEIGHT</th>
<th>% H2O</th>
<th>DRY WEIGHT</th>
<th>% U3O8</th>
<th>% V2O5</th>
<th>CaCO3</th>
<th>LBS. U3O8</th>
<th>LBS. V2O5</th>
<th>CaCO3</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-15-55</td>
<td>34115</td>
<td>22080</td>
<td>5.6</td>
<td>20843.52</td>
<td>0.18</td>
<td>0.94</td>
<td>7.0</td>
<td>3752</td>
<td>19593</td>
<td>145905</td>
</tr>
</tbody>
</table>

U3O8 Payment 37.52 @ 3.10 $116.31
V2O5 " 195.93 @ .31 60.74
Penalty $14.59

$162.46
224 New Customhouse  
Denver 2, Colorado  

January 14, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty - Boomerang Mining Company

Docket No. DMEA 2446, Contract Idm-E445 - Utah

Enclosed is settlement sheet covering ore shipped under Liquidation No. R-631 by Boomerang Mining Company to United States Vanadium Company.

Also enclosed is United States Vanadium Company check No. 2702 in the amount of $105.82 in payment of royalty on this shipment.

W. M. Traver

Enclosures

14

Copy to: Sec. Opr. Comm. (2) v/settlement sheet

Willa v/settlement sheet
Royalty File E445
Chlor
ORE SETTLEMENT

Receiving Station: Rifle, Colorado  
Grand Junction, Colorado, January 5, 1955

Liquidation No.: R-631  
Lot No.:  
Shippers Lot No.:  
A.E.C. License No.: P-1656

Bought of: Consolidated Vanadium Corporation  
Address: Rifle, Colorado  
Date Received: 12-1-54 thru 12-31-54

Type of Ore: Consolidated  
Mining Claim: Initial  
Mining District: Gateway - Beaver Mesa  
Pile No.: 

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight Pounds</th>
<th>% H2O</th>
<th>Dry Weight Pounds</th>
<th>Settlement Assays</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>121700</td>
<td>6.9</td>
<td>113937.34</td>
<td>U3O8: 302.75</td>
<td>CaCO3: 305.85</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>V2O5: 15.85</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CaCO3: 15.85</td>
<td></td>
</tr>
</tbody>
</table>

PRICED PER A.E.C. CIRCULAR NO. 5 (Revised)

<table>
<thead>
<tr>
<th></th>
<th>Pounds</th>
<th>Per LB.</th>
<th>Dry Short Tons</th>
<th>Per Ton</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U3O8 Payment</td>
<td>302.75</td>
<td>3.50</td>
<td>56.67</td>
<td>1059.63</td>
<td></td>
</tr>
<tr>
<td>Development Allowance</td>
<td>302.75</td>
<td>1.50</td>
<td>56.67</td>
<td>151.38</td>
<td></td>
</tr>
<tr>
<td>Excess 4 lbs. per ton Premium</td>
<td>15.07</td>
<td>0.75</td>
<td>56.67</td>
<td>59.05</td>
<td></td>
</tr>
<tr>
<td>Excess 10 lbs. per ton Premium</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U3O8 Payment</td>
<td></td>
<td></td>
<td></td>
<td>1268.06</td>
<td></td>
</tr>
<tr>
<td>V2O5 Payment</td>
<td>1558.56</td>
<td>0.31</td>
<td>56.67</td>
<td>483.15</td>
<td></td>
</tr>
<tr>
<td>Total V2O5 Payment</td>
<td></td>
<td></td>
<td></td>
<td>483.15</td>
<td></td>
</tr>
<tr>
<td>Less High Line Penalty over 6% CaCO3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base Penalty</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>% Penalty @ $ .04 per 1/10th</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Haulage Allowance</td>
<td>100</td>
<td>60.85</td>
<td>6.06</td>
<td>365.16</td>
<td></td>
</tr>
<tr>
<td>@ .06 per wet ton mile</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U3O8, V2O5 and Haulage Payment</td>
<td></td>
<td></td>
<td></td>
<td>2116.37</td>
<td></td>
</tr>
</tbody>
</table>

This settlement sheet was authorized Representative of the Lawful Owner of the Ore described in this Settlement Sheet and
Memorandum

To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region IV
Subject: Royalty - Boomerang Mining Company
Docket No. 2446, Contract IDm-8445, Utah

Enclosed is settlement sheet covering ore shipped under Liquidation No. R-592 by Boomerang Mining Company to United States Vanadium Company.

Also enclosed is United States Vanadium Company check No. 2475 in the amount of $82.14 in payment of royalty on this shipment.

Enclosures

14

Copy to: Royalty File 8445
Sec. to Opr. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Gron
ORE SETTLEMENT

Receiving Station: Rifle, Colorado
Grand Junction, Colorado

Liquidation No: R-574
Lot No: See Back Data
Shipper's Lot No: P-1656
A.E.C. License No: P-1656

Address: Columbus, Refuse Consolidation Mine Co.

Type of Ore: Carnite

Data Received: 11-1-54 thru 11-30-54

Mining Claim: Bvement #7

Mining District: Anthony Brown Mesa

Pile No: 

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight</th>
<th>% H2O</th>
<th>Dry Weight</th>
<th>Settlement Assays</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pounds</td>
<td></td>
<td>Pounds</td>
<td>U3O8</td>
<td>V2O5</td>
</tr>
<tr>
<td>123460</td>
<td>113964.80</td>
<td>11.7</td>
<td>113964.80</td>
<td>0.21</td>
<td>1.02</td>
</tr>
</tbody>
</table>

PRICED PER A.E.C. CIRCULAR NO. 5 (Rounded)

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Ld.</th>
<th>Dry Short Tons</th>
<th>Per Ton</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>243.10</td>
<td>3.50</td>
<td>5.698</td>
<td></td>
<td>850.85</td>
</tr>
<tr>
<td>15.18</td>
<td>0.75</td>
<td>56.98</td>
<td></td>
<td>11.39</td>
</tr>
</tbody>
</table>

TOTAL U3O8 PAYMENT: 983.79

V2O5 Payment

Total V2O5 Payment: 359.32

Less High Line Penalty over 6% CaCO3

Base Penalty: 6.6% - 6% = .6% Penalty @ .04 per 1/10th

TOTAL: 70.66

Total U3O8, V2O5 and Haulage Payment: 1642.83
Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Royalty - Boomerang Mining Company
Docket No. 2446, Contract No. E445, Utah

Enclosed is settlement sheet covering ore shipped under Liquidation No. R-534 by Boomerang Mining Company to United States Vanadium Company.

Also enclosed is United States Vanadium Company's check, No. 2269, in the amount of $268.61 in payment of royalty on this shipment.

Enclosure

cc: Royalty File E445
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

John F. Shaw
For W. H. King
ORE SETTLEMENT

Receiving Station: Rifle, Colorado
Liquidation No.: R-534
Lot: See Load Detail
Lot No.: _______________
Shipping Lot No.: _______________
A.E.C. License No.: P-1656

Type of Ore: Cavansite
Mining Claim: _____________
Mining District: _____________
Pile No.: _______________

SETTLEMENT ASSAYS

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>239520</td>
<td>222574.40</td>
<td>7.1</td>
<td></td>
<td>0.33</td>
<td>1.56</td>
<td></td>
</tr>
</tbody>
</table>

Contents Pounds

<table>
<thead>
<tr>
<th></th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aggregate average</td>
<td>737.66</td>
<td>3479.80</td>
<td></td>
</tr>
</tbody>
</table>

Priced Per A.E.C. Circular No.: _____________

<table>
<thead>
<tr>
<th></th>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Dry Short Tons</th>
<th>Per Ton</th>
<th>Value</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ Payment</td>
<td>737.66</td>
<td>3.50</td>
<td>111.29</td>
<td>2581.81</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Development Allowance</td>
<td>737.66</td>
<td>3.50</td>
<td>111.29</td>
<td>368.83</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excess 4 lbs. per ton Premium</td>
<td>292.50</td>
<td>0.75</td>
<td>111.29</td>
<td>219.38</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excess 10 lbs. per ton Premium</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U₃O₈ Payment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3170.02</td>
</tr>
<tr>
<td>V₂O₅ Payment</td>
<td>3479.80</td>
<td>0.31</td>
<td>111.29</td>
<td>1078.74</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total V₂O₅ Payment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1078.74</td>
</tr>
</tbody>
</table>

Less High Line Penalty over 6% CaCO₃
Base Penalty

% = % Penalty @ $ .04 per 1/10th

TOTAL

Haulage Allowance 134 Miles 119.76 Wet Tons @ 0.07 per wet ton mile

Total U₃O₈, V₂O₅ and Haulage Payment 5372.11
Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Boomerang Mining Company
Dock No. 2446, Contract No. E445, Utah

Enclosed is settlement sheet covering ore shipped under Liquidation Number R-486 by Boomerang Mining Company to United States Vanadium Company.

Also enclosed is United States Vanadium Company's check, No. 2047, in the amount of $213.59 in payment of royalty on this shipment.

W. H. King

Enclosure

cc: Royalty File E445
   Sec. to the Oper. Comm. (2) w/enc. settlement sheet
   Wilson w/enc. settlement sheet
   Chron.
ORE SETTLEMENT

Receiving Station: Rifle, Colorado
Liquidation No.: R-486
Bought of: Columbus Refill Cons. Mines, Co.
Address: 1347 206, Gateway, Colorado
Type of Ore: Carnotite
Mineral Claim: Berengra #2

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U₂O₅</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>198,700</td>
<td>183,147.60</td>
<td>7.8</td>
<td></td>
<td>0.32</td>
<td>1.46</td>
</tr>
</tbody>
</table>

Priced per A.E.C. Circular No. 3 (Revised)

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Dry Short Tons</th>
<th>Per Ton.</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₅</td>
<td>3.50</td>
<td>91.57</td>
<td>22.40</td>
<td>2051.56</td>
</tr>
<tr>
<td>V₂O₅</td>
<td>.50</td>
<td>91.57</td>
<td>3.20</td>
<td>293.08</td>
</tr>
<tr>
<td>CaCO₃</td>
<td></td>
<td>91.57</td>
<td>1.80</td>
<td>164.91</td>
</tr>
</tbody>
</table>

Total U₂O₅ Payment: 586.16 lbs @ $3.50 per lb = $2051.56

Total V₂O₅ Payment: 2678.61 lbs @ $.31 per lb = $830.37

Loss High Line Penalty over 6% CaCO₃

Haulage Allowance: 13.4 miles * 99.35 wet tons * .7 per wet ton mile = 931.90

Total U₂O₅, V₂O₅ and Haulage Payment: 4271.85
Memorandum

To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Boomerang Mining Company
Docket No. 2445, Contract No. E445, Utah

Enclosed is settlement sheet covering ore shipped under Liquidation Number R-434 by Boomerang Mining Company to United States Vanadium Company.

Also enclosed is check in the amount of $120.00 in payment of royalty on this shipment.

John P. Shaw
For I. R. King

Enclosure

cc: Royalty File E445
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.
ORE SETTLEMENT

Receiving Station: Rifle, Colorado

Lot No.:________________________

Bought of: Consolidated Mining Co.

Address: P.O. Box 206, Stationary, Colorado

Type of Ore: Cavellite

Mining Claim: Romany #2

Lot No.:____________________________________

Net Weight Pounds: 139160

H₂O %: 8.3

Dry Weight Pounds: 127656.84

SETTLEMENT ASSAYS

<table>
<thead>
<tr>
<th></th>
<th>U₂O₅</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>SETTLEMENT</td>
<td>0.28</td>
<td>1.17</td>
<td>6.2</td>
</tr>
<tr>
<td>approx. average</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CONTENTS POUNDS

<table>
<thead>
<tr>
<th></th>
<th>U₂O₅</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTENTS</td>
<td>353.60</td>
<td>1487.92</td>
<td>7950.30</td>
</tr>
</tbody>
</table>

Priced per A.E.C. Circular No.:___

U₃O₈ Payment 353.60 x 3.50 lb. 63.83 short tons 19.40 lb. 1237.40

Development Allowance 353.60 x 0.50 lb. 63.83 short tons 2.75 lb. 176.80

Excess 4 lbs. per ton Premium 98.28 x 0.75 lb. 63.83 short tons 1.15 lb. 73.71

Total U₃O₈ Payment 1488.11

V₂O₅ Payment 1487.92 x 0.31 lb. 63.83 short tons 7.25 lb. 461.26

Total V₂O₅ Payment 461.26

Less High Line Penalty over 6% CaCO₃

Base Penalty 6.2% - 6.0% = 0.2% Penalty @ $0.04 per 1/10th

6.2% - 6.0% = 0.2% Penalty @ $0.04 per 1/10th

Total 63.83 x 0.08

TOTAL 689.4

Haulage Allowance

Miles: __________ Wet Tons: __________

@ per wet ton per mile

Total U₃O₈, V₂O₅ and Haulage Payment $2417.12
Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Boomerang Mining Company, Docket No. 2446, Contract No. E445, Utah


Also enclosed is check in the amount of $88.29 in payment of royalty on this shipment.

Enclosures

es

cc: Royalty File E445
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.
ORE SETTLEMENT

Receiving Station: Rifle, Colorado
Lot No. R-154
Shippers Lot No. R-154
Lot No. Sealed Detach
Bought of: Columbus Consolidated Mines Co.
A.E.C. License No. P-1654
Address: P.O. Box 206, Hotspur, Colorado

Type of Ore: Casmarite
Date Received: 7-1-54 thru 7-31-54
Mining Claim: Bonanza #2
Mining District: Hotspur, Bloomfield Vasquez
Pile No. 13

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight Pounds</th>
<th>% H2O</th>
<th>Dry Weight Pounds</th>
<th>Settlement Assays</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U3O8</td>
<td>V2O5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>approx</td>
<td></td>
</tr>
</tbody>
</table>

PRICED PER A.E.C. CIRCULAR NO. 1954

<table>
<thead>
<tr>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>232.57</td>
<td>3.50</td>
<td>35.60</td>
<td>3.50</td>
<td>814.00</td>
<td></td>
</tr>
</tbody>
</table>

Development Allowance

<table>
<thead>
<tr>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>232.57</td>
<td>3.50</td>
<td>35.60</td>
<td>3.35</td>
<td>116.29</td>
<td></td>
</tr>
</tbody>
</table>

Excess 4 lbs. per ton Premium

<table>
<thead>
<tr>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>90.17</td>
<td>.75</td>
<td>35.60</td>
<td>1.90</td>
<td>67.63</td>
<td></td>
</tr>
</tbody>
</table>

Excess 10 lbs. per ton Premium

<table>
<thead>
<tr>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
</table>

Total U3O8 Payment

<table>
<thead>
<tr>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
</table>

V2O5 Payment

<table>
<thead>
<tr>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1297.81</td>
<td>.31</td>
<td>35.60</td>
<td>11.30</td>
<td>402.32</td>
<td></td>
</tr>
</tbody>
</table>

Total V2O5 Payment

<table>
<thead>
<tr>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
</table>

Less High Line Penalty over 6% CaCO3

Base Penalty

---%---%---% Penalty @ $.04 per 1/10th

TOTAL

Haulage Allowance 134 Miles 38.79 Wet Tons @ .07 per wet ton mile

Total U3O8, V2O5 and Haulage Payment

<table>
<thead>
<tr>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1764.09</td>
</tr>
</tbody>
</table>

I certify that I am the lawful owner or authorized Representative of the Lawful Owner of the Ore described in this Settlement Sheet and...
Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Boomerang Mining Company, Docket No. 2446, Contract No. E445, Utah

Enclosed is settlement sheet covering ore shipped under Liquidation No. R-301 by Boomerang Mining Company to the United States Vanadium Company.

Also enclosed is check in the amount of $116.90 in payment of royalty on this shipment.

Enclosures

cc: Royalty File E445
    Sec. to the Oper. Comm. (2) w/enc. settlement sheet
    Wilson w/enc. settlement sheet
    Chron.
ORE SETTLEMENT

Receiving Station: Rifle, Colorado

Lot No. 8-301

Liquidation No. 8-301

Bought of: Columbus, Pinal Consolidated Mining Co.

Type of Ore: Carnotite

Address: P.O. Box 306, Gateway, Colorado

Mining Claim: Bosoya #2

Date Received: 6-1-54 thru 6-30-54

Lot No. 8-301

Shipper's Lot No. 8-301

A.E.C. License No. D-1656

Mining District: Gateway - Beaver Valley

Pile No.: Bin

UNITED STATES VANADIUM COMPANY
A Division of Union Carbide and Carbon Corporation

Lot No. | Net Weight Pounds | % H2O | Dry Weight Pounds |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>194040</td>
<td>18285146</td>
<td>0.19</td>
<td>0.86</td>
</tr>
<tr>
<td>194040</td>
<td>18285146</td>
<td>0.19</td>
<td>0.86</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>U3O8</th>
<th>V2O5</th>
<th>CaCO3</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.19</td>
<td>0.86</td>
<td>8.2</td>
</tr>
</tbody>
</table>

U3O8 Payment

Development Allowance

Excess 4 lbs. per ton Premium

Excess 10 lbs. per ton Premium

Total U3O8 Payment

V2O5 Payment

Total V2O5 Payment

Less High Line Penalty over 6% CaCO3

Base Penalty

8.2% - 6.0% = 2.2% Penalty @ $.04 per 1/10th

Total

Total U3O8, V2O5 and Haulage Payment

Pounds | Pounds/Short Tons | Pounds/Ton | Value
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>356.46</td>
<td>2.30</td>
<td>12.80</td>
<td>1176.32</td>
</tr>
<tr>
<td>356.46</td>
<td>0.50</td>
<td>1.95</td>
<td>178.23</td>
</tr>
<tr>
<td>1577.59</td>
<td>0.31</td>
<td>5.30</td>
<td>489.05</td>
</tr>
</tbody>
</table>

Haulage Allowance: Miles per wet ton mile

Total: 2337.95
To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region IV
Subject: Royalty-Docket No. 2446, Contract No. E445, Boomerang Mining Company, Utah

Enclosed is settlement sheet covering ore shipped under Liquidation No. R1176 by Boomerang Mining Company to the United States Vanadium Company.

Also enclosed is check in the amount of $250.12 in payment of royalty on this shipment.

John F. Shaw
For W. H. King

Enclosures

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.
ORE SETTLEMENT

Receiving Station: Rifle, Colorado
Grand Junction, Colorado, May 6, 1954

Lot No: 716
Shipper's Lot No: 716

Bought of: Columbus Recal Consolidated Mines Co.

Address: 601 Broad St, Gateway, Colorado

Type of Ore: Cassiterite

Mining Claim: Bowang #2

Lot No. 1
Lot No.

<table>
<thead>
<tr>
<th>Net Weight</th>
<th>% H₂O</th>
<th>Dry Weight</th>
<th>Settlement Assays</th>
<th>Contents Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds</td>
<td></td>
<td>Pounds</td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>308780</td>
<td>6.7</td>
<td>288001.30</td>
<td>0.25</td>
<td>1.17</td>
</tr>
</tbody>
</table>

Priced per A.E.C. Circular No (Revised):

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per lb</th>
<th>Dry Short Tons</th>
<th>Per Ton</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>733.27</td>
<td>3.50</td>
<td>144.00</td>
<td>17.80</td>
<td>25.66.45</td>
</tr>
<tr>
<td>733.27</td>
<td>0.50</td>
<td>144.00</td>
<td>2.55</td>
<td>366.64</td>
</tr>
<tr>
<td>157.27</td>
<td>0.75</td>
<td>144.00</td>
<td>0.80</td>
<td>117.95</td>
</tr>
</tbody>
</table>

Total U₃O₈ Payment:

V₂O₅ Payment:

Total V₂O₅ Payment:

Less High Line Penalty over 6% CaCO₃
Base Penalty:

% Penalty @ $ .04 per 1/10th
Total:

Haulage Allowance:

Miles: 3.24 Wet Tons
per wet ton mile: See load detail

Total U₃O₈, V₂O₅ and Haulage Payment:

5122.44
April 7, 1954

Memorandum

To: W. I. Christensen
From: Executive Officer, DMEA Field Team, Region IV
Subject: Royalty-Boomerang Mining Co., Docket No. DMEA 244C, Contract No. E445, Utah

Enclosed is settlement sheet covering ore shipped under Liquidation No. R117 by Columbus Rexall Consolidated Mines Co. (Boomerang Mining Co.) to the United States Vanadium Company.

Also enclosed is check in the amount of $37.64 in payment of royalty on this shipment.

Enclosures

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.
ORE SETTLEMENT

Receiving Station: Rifle, Colorado  
Grand Junction, Colorado, April 5, 1954

Liquidation No. R 117  
Lot No. See local detail  
Shippers Lot No.  
Bought of: Columbus Rossell Consolidated Mines Co.  
A.E.C. License No.  
Address: P.O. Box 206, Gateway, Colorado  
Date Received: 3-16-54  
Date of Claim: 3-11-54

Type of Ore: Carbonate  
Mining Claim: Bonanza #2  
Mining District: Gateway-Benxena mesa  
Pile No.: R

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>1</td>
<td>39680</td>
<td>0.8</td>
<td>36949.72</td>
<td>0.29</td>
<td>1.33</td>
</tr>
</tbody>
</table>

PRICED PER A.E.C. CIRCULAR NO. 5 (Revised)

<table>
<thead>
<tr>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>106.25</td>
<td>3.50</td>
<td>18.48</td>
<td>20.10</td>
<td>371.88</td>
<td></td>
</tr>
<tr>
<td>186.25</td>
<td>5.0</td>
<td>18.48</td>
<td>2.90</td>
<td>53.13</td>
<td></td>
</tr>
<tr>
<td>32.33</td>
<td>7.5</td>
<td>18.48</td>
<td>1.30</td>
<td>24.25</td>
<td></td>
</tr>
</tbody>
</table>

Total U₃O₈ Payment

V₂O₅ Payment

Total V₂O₅ Payment

Less High Line Penalty over 6% CaCO₃

Base Penalty

-% - % = % Penalty @ $.04 per 1/10th

TOTAL

Haulage Allowance  
Miles  
per wet ton mile  
see local detail

Total U₃O₈, V₂O₅ and Haulage Payment

TOTAL 151.92

Haulage Allowance  
Miles  
per wet ton mile  
see local detail

Total U₃O₈, V₂O₅ and Haulage Payment

TOTAL 151.56
To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region IV
Subject: Royalty-Boomerang Mining Company, Docket No. DMEA 2445, Contract E445, Utah

Enclosed are copies of settlement sheets covering Liquidation Numbers 5307 and 5389, for ore shipped by the Boomerang Mining Company to the United States Vanadium Company.

Also enclosed is check in the amount of $559.03 in payment of royalty on these shipments.

Enclosures

cc: Royalty File
    Sec. to the Oper. Comm. w/enc. settlement sheets
    Wilson
    Chron.
ORE SETTLEMENT

UNITED STATES VANADIUM COMPANY
Division of Union Carbide and Carbon Corporation

Rifle, Colorado

Grand Junction, Colorado

Dec 3, 1953

Lot No. 5307

Lot No. See Load Detail

Shippers Lot No. A. C. License No. P-333

Booneview Mining Company

Date Received 11-1-53 Dunn 11-20-53

Boulderite

Pile No. Bin

Booneview, 3-2

Mining District

STORAGE

STORAGE

I certify that I am the lawful owner or authorized representative of the lawful owner of the ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite “Total U3O8, V2O5 and Haulage Payment” shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents of U3O8 contents and of V2O5 contents of the several loads delivered and covered by this settlement.

Voucher Number 12-92

Check Number 27750

Date 12-7-53

Date 12-7-53

Approved for Payment

[Signature]
**ORE SETTLEMENT**

**UNIVERSITY STATES VANADIUM COMPANY**
a Division of Union Carbide and Carbon Corporation

**RECEIVING STATION:** Rifle, Colorado

**GRAND JUNCTION, COLORADO:** Jan. 5, 1954

**LIQUIDATION NO.:** 5307

**LOT NO.:** Sold and detailed

**SHIPPER'S LOT NO.:** A.E.C. License No. P-333

**BOOMERANG MINING COMPANY**

**TYPE OF ORE:** Bonanza

**MINING CLAIM:** Bonanza #2

**MINING DISTRICT:** Gateway, Beaver, Mesa

**PILE NO.:**

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>130100</td>
<td>9.3</td>
<td>119.41.58</td>
<td></td>
</tr>
</tbody>
</table>

**SETTLEMENT ASSAYS**

<table>
<thead>
<tr>
<th></th>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₃</td>
<td>563.32</td>
<td>.250</td>
<td>.5897</td>
<td>33.45</td>
<td>197.62</td>
<td></td>
</tr>
<tr>
<td>V₂O₅</td>
<td>242.91</td>
<td>.31</td>
<td>.5897</td>
<td>12.75</td>
<td>75.72</td>
<td></td>
</tr>
<tr>
<td>CaCO₃</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CONTENTS POUNDS**

<table>
<thead>
<tr>
<th></th>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₃</td>
<td>563.32</td>
<td>.250</td>
<td>.5897</td>
<td>33.45</td>
<td>197.62</td>
<td></td>
</tr>
<tr>
<td>V₂O₅</td>
<td>242.91</td>
<td>.31</td>
<td>.5897</td>
<td>12.75</td>
<td>75.72</td>
<td></td>
</tr>
<tr>
<td>CaCO₃</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PRICED PER A.E.C. CIRCULAR NO. 5 (BASIS):**

<table>
<thead>
<tr>
<th></th>
<th>POUNDS</th>
<th>PER LB.</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₂O₃</td>
<td>563.32</td>
<td>.250</td>
<td>.5897</td>
<td>33.45</td>
<td>197.62</td>
<td></td>
</tr>
<tr>
<td>V₂O₅</td>
<td>242.91</td>
<td>.31</td>
<td>.5897</td>
<td>12.75</td>
<td>75.72</td>
<td></td>
</tr>
<tr>
<td>CaCO₃</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL VALUE:**

- U₂O₃: 563.32 x .250 = 197.62
- V₂O₅: 242.91 x .31 = 75.72
- CaCO₃: 0 x .04 per 1/10th

**Royalty Calculation:**

\[ \text{Royalty} = 5\% \times 392.77 = 19.64 \]

**RECEIVING STATION:**

**SHIPPER:**

**A.E.C. LICENSE NO.:** P-333

**SHIPPER'S LOT NO.:** A.E.C.

**MILEAGE:** 65.05

**WET TONS:** @ .077

**Haulage Allowance:** 124 Miles × 65.05 Wet Tons

**Total U₃O₈, V₂O₅, and Haulage Payment:**

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Ton</th>
<th>Dry Short Tons</th>
<th>Per Ton</th>
<th>Value</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>563.32</td>
<td></td>
<td>.250</td>
<td>.5897</td>
<td>33.45</td>
<td>197.62</td>
</tr>
<tr>
<td>242.91</td>
<td></td>
<td>.31</td>
<td>.5897</td>
<td>12.75</td>
<td>75.72</td>
</tr>
</tbody>
</table>

**I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal-right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.**

**I certify that I hold the A.E.C. Source Material License numbered above.**

**I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.**

**The amount set opposite "Total U₃O₈, V₂O₅ and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.**

**I request that payment be made on the basis of the average of moisture contents, of U₃O₈ contents and of V₂O₅ contents of the several loads delivered and covered by this settlement.**

**Voucher Number:** 142

**Check Number:** 2823-4

**Date:** 1-6-54

**Accredited for Payment:**

**SELLER OR AGENT:**

[Signature]
Memorandum

To: Secretary, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region IV
Subject: Settlement Sheets-Contract No. Idm-E445, Docket No. DMEA 2446, Boomerang Mining Company (Uranium)

Enclosed are copies of settlement sheets covering liquidation numbers 5101 and 5208 for ore shipped by the Boomerang Mining Company to the United States Vanadium Company for the months of September and October, 1953.

W. H. King

Enclosures
## ORE SETTLEMENT

### Receiving Station
Grand Junction, Colorado

### Liquidation No.
3067

### Bought of

### Address

### Type of Ore

### Mining Claim

### Lot No.

### Net Weight

### Dry Weight

### H2O

### Settled Assays

### Contents Pounds

### Priced Per A.E.C. Circular No.

### Pounds

### PER LB

### SHORT TONS

### PER TON

### VALUE

### TOTAL VALUE

### U308 Payment

### Development Allowance

### Excess 4 lbs. per ton Premium

### Excess 10 lbs. per ton Premium

### Total U308 Payment

### V2O5 Payment

### Total V2O5 Payment

### Loss High Line Penalty over 6% CaC03

### Base Penalty

### TOTAL

### Haulage Allowance

### Total U308, V2O5 and Haulage Payment

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U308, V2O5 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U308 contents and of V2O5 contents of the several loads delivered and covered by this settlement.

[Voucher Number]
[Check Number]
[Date]

Approved for Payment

[Signature]

[Date]
## Ore Settlement

**Receiving Station:** Grand Junction, Colorado, 1943

**Liquidation No.:**

**Bought Of:**

**Address:**

**Type of Ore:**

**Mining Claim:**

**Settlement No.:**

**Shipping No.:**

**A.E.C. License No.:**

**LOF No.:**

**Address:**

**Typo of Ore:**

**Mining Claim:**

### Assays

<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>POUNDS</th>
<th>PER TON</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U_308</td>
<td>1.45</td>
<td>1.45</td>
<td>1.70</td>
</tr>
<tr>
<td>V_205</td>
<td>1.45</td>
<td>1.45</td>
<td>1.70</td>
</tr>
<tr>
<td>CaCO_3</td>
<td>1.45</td>
<td>1.45</td>
<td>1.70</td>
</tr>
</tbody>
</table>

### Priced Per A.E.C. Circular No.

- **Total:** $1.45

### Development Allowance

- **Excess 4 lbs. per ton Premium:**
- **Excess 10 lbs. per ton Premium:**

### U_308 Payment

- **Total U_308 Payment:** $1.45

### V_205 Payment

- **Total V_205 Payment:** $1.45

### Less High Lime Penalty over 6% CaCO_3

- **Base Penalty:** $1.45

### Total Haulage Allowance

- **Total Haulage Allowance:** $1.45

### Total U_308, V_205 and Haulage Payment

- **Total:** $1.45

I certify that I am the lawful owner or authorized representative of the lawful owner, of the ore described in this Settlement Sheet, and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U_308, V_205 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment therefor.

**Voucher Number:** 11-116

**Check Number:** 9729

**Date:** 11-6-43

**Soldier or Agent:**

**Typed:** September 1, 1943
Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheets - Contract Idm-El445, (Uranium), Docket No. DMEA 2446, Boomerang Mining Company

Enclosed are your copies of settlement sheets covering liquidation numbers 4634, 4635, 4745, 4874, 4975, and 4993 shipped by the Boomerang Mining Company to the U. S. Vanadium Company.

W. H. King

Enclosure
**ORE SETTLEMENT**

**Receiving Station:**
- Grand Junction, Colorado
- Lot No. 51
- Shippers Lot No. 6
- A.E.C. License No. 19-53
- Date Received: 5-1-53
- Pile No.: 3-5-8

**Liquidation No.:** Lot No.: Shippers Lot.No.

**Type of Ore:**
- Mining Claim
- Mining District: 3
- P0: 0

**SETTLEMENT ASSAYS**

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight</th>
<th>% H₂O</th>
<th>Dry Weight</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td>246600</td>
<td>231852.08</td>
<td>0.28</td>
<td>1.11</td>
<td>641.60</td>
<td>530</td>
<td>115.33</td>
<td>1.35</td>
<td>2245.81</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>641.60</td>
<td>530</td>
<td>115.33</td>
<td>1.35</td>
<td>2245.81</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>171.74</td>
<td>.15</td>
<td>115.72</td>
<td>1.35</td>
<td>152.80</td>
<td></td>
</tr>
</tbody>
</table>

**CONTENTS POUNDS**

<table>
<thead>
<tr>
<th></th>
<th>POUNDS</th>
<th>UNIT SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈ Payment</td>
<td>2582.02</td>
<td>31.0</td>
<td>670</td>
<td>800.43</td>
</tr>
<tr>
<td>V₂O₅ Payment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total U₃O₈, V₂O₅ and Haulage Payment</td>
<td>2100.10</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**U₃O₈ Payment**

- Development Allowance
- Excess 4 lbs. per ton Premium
- Excess 10 lbs. per ton Premium
- Total U₃O₈ Payment
- V₂O₅ Payment
- Total V₂O₅ Payment
- Less High Line Penalty over 6% CaCO₃
- Base Penalty
- % = % Penalty for $0.04 per 10t
- TOTAL

**Haulage Allowance:**
- 100 Miles... 123.23 Wet Tons
- @ $0.06 per wet ton mile

**I certify that I am the lawful owner or authorized representative of the lawful owner of the ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a division of Union Carbide and Carbon Corporation.**

**I certify that I hold the A.E.C. Source Material License numbered above.**

**I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.**

**The amount set opposite "Total U₃O₈, V₂O₅ and Haulage Payment" shown above constitutes the entire amount payable to me in respect of the ore delivered described herein and is accepted by me in full payment thereof.**

**I request that payment be made on the basis of the average of moisture contents, U₃O₈ contents and V₂O₅ contents of the several loads delivered and covered by this settlement.**

**Voucher Number:** 6-202
**Check Number:** 24450

**Sellers or Agents:**

**Date:** 6-8-53

**Approved for Payment:**

6-8-53

 noticeable Sentinel Printers
ORE SETTLEMENT

Receiving Station
Gulf, Colorado

Liquidation No.
4331

Lot No.
46

Shippers Lot No.
P.333

A.E.C. License No.
..43.

Date Received.
June 31, 1933

Pile No.

ORE SETTLEMENT

Bought of
Radioactive Mining Company

Address.
Gulf, Colorado

Type of Ore
Uranium Vanadinite 0.2

Settlement Assays

Contents Pounds

U₂O₅
V₂O₅
CaCO₃

Pounds
Net Weight
3.4
1764.84

% Dry Weight
4.07

PRICED PER A.E.C. CIRCULAR NO.(REVISED)

50.13

367.21

167.51

Contents Pounds

U₂O₅
V₂O₅
CaCO₃

Pounds
Net Weight
3.4
1764.84

% Dry Weight
4.07

4.70

41.87

35.87

Pounds

U₂O₅
V₂O₅
CaCO₃

Pounds
Net Weight
8.825

% Dry Weight
20.7

2.82

2.82

PRICED PER A.E.C. CIRCULAR NO.(REVISED)

43.32

303.42

167.51

Contents Pounds

U₂O₅
V₂O₅
CaCO₃

Pounds
Net Weight
8.825

% Dry Weight
20.7

2.82

2.82

I certify that I am the lawful owner or authorized representative of the lawful owner, of the ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U3O8, V2O5 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein, and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U3O8 contents and of V2O5 contents of the several loads delivered and covered by this settlement.

Voucher Number: 6

Check Number: 2450

Date: 6-8-53

Sells or Agent

TOTAL

555.67
ORE SETTLEMENT

Receiving Station: Rifle, Colorado  Grand Junction, Colorado.  July 6, 1953

Liquidation No. 4745  Lot No. 899
Bought of:  American Mining Company

Address: Gateway, Colorado

Type of Ore: Casamato

Total U3O8 Payment

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight</th>
<th>% H2O</th>
<th>Dry Weight</th>
<th>%</th>
<th>U3O8</th>
<th>V2O5</th>
<th>CaCO3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pounds</td>
<td></td>
<td>Pounds</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>324980</td>
<td>6.1</td>
<td>5050</td>
<td>8.46</td>
<td></td>
<td>0.28</td>
<td>1.3</td>
<td></td>
</tr>
</tbody>
</table>

U3O8 Payment

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>858.90</td>
<td>3.50</td>
<td>152.55</td>
<td>300.615</td>
</tr>
</tbody>
</table>

Development Allowance

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>858.90</td>
<td>0.50</td>
<td>152.55</td>
<td>427.45</td>
</tr>
</tbody>
</table>

Excess 4 lbs. per ton Premium

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>248.70</td>
<td>0.75</td>
<td>152.55</td>
<td>186.53</td>
</tr>
</tbody>
</table>

Total U3O8 Payment

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1170.72</td>
<td>3.1</td>
<td>152.55</td>
<td>1292.99</td>
</tr>
</tbody>
</table>

V2O5 Payment

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>4170.72</td>
<td>3.1</td>
<td>152.55</td>
<td>1292.99</td>
</tr>
</tbody>
</table>

Total V2O5 Payment

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1292.99</td>
<td>4.1</td>
<td>152.55</td>
<td>1292.99</td>
</tr>
</tbody>
</table>

Less High Line Penalty over 8% CaCO3

<table>
<thead>
<tr>
<th>Penalty</th>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.28</td>
<td>1.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Haulage Allowance

<table>
<thead>
<tr>
<th>Haulage Allowance</th>
<th>Miles</th>
<th>Wet Tons per wet ton mile</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>12.44</td>
</tr>
</tbody>
</table>

Total U3O8, V2O5 and Haulage Payment

<table>
<thead>
<tr>
<th>Pounds</th>
<th>Per Lb.</th>
<th>Per Ton</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>16159.28</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U3O8, V2O5 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U3O8 contents and of V2O5 contents of the several loads delivered and covered by this settlement.

Voucher Number 7-132  Date 7-6-53

Check Number 25023  Date 7-6-53

Approved for Payment

Seller or Agent

UNITED STATES VANADIUM COMPANY
Division of Union Carbide and Carbon Corporation
**ORE SETTLEMENT**

Receiving Station: **Rifle, Colorado**  
Grand Junction, Colorado: **August 5, 1953**

Liquidation No.: **14877**  
Lot No.: **5B 523**  
Shippers Lot No.: **P 333**

Address: **T. J. Y. C. 7313**  
A.E.C. License No.: **P 333**

Date Received: **7-1-53**  
Date: **7-1-53**

**Type of Ore**

**Mining Claim:**  
**Mining District:**

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td></td>
<td>328.380</td>
<td>2.4</td>
<td>304.241.70</td>
<td>0.70</td>
<td>1.8%</td>
</tr>
</tbody>
</table>

**Priced Per A.E.C. Circular No.**

<table>
<thead>
<tr>
<th>POUNDS</th>
<th>PER LB.</th>
<th>SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1201.92</td>
<td>420.67</td>
<td>152.18</td>
<td>89.45</td>
<td>523,29</td>
<td></td>
</tr>
<tr>
<td>5720.21</td>
<td>1773.43</td>
<td>152.18</td>
<td>116.6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**U₃O₈ Payment**

Development Allowance

License 4 lbs. per ton Premium

Licence 10 lbs. per ton Premium

Total U₃O₈ Payment

V₂O₅ Payment

Total V₂O₅ Payment

High Low Penalty per 6% CaCO₃

Low Penalty: 3.5% per 10%

TOTAL

Haulage Allowance: 13% Miles 16.4 Wet Tons  
@ 0.07 per wet ton mile

Total U₃O₈, V₂O₅ and Haulage Payment

<table>
<thead>
<tr>
<th>Voucher Number</th>
<th>Date</th>
<th>Check Number</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I certify that I am the lawful owner or authorized representative of the lawful owner of the ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U₃O₈, V₂O₅ and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents of U₃O₈ contents and of V₂O₅ contents of the several loads delivered and covered by this settlement.

<table>
<thead>
<tr>
<th>Seller or Agent</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>
ORE SETTLEMENT

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight</th>
<th>% H2O</th>
<th>Dry Weight</th>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>195800</td>
<td>6.8</td>
<td>182.565.82</td>
<td></td>
<td></td>
<td>U308</td>
<td>V2O5</td>
</tr>
</tbody>
</table>

Appr. Average: 0.50, 2.18

<table>
<thead>
<tr>
<th></th>
<th>PER LB.</th>
<th>PER SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U308 Payment</td>
<td>91.917</td>
<td>5.50</td>
<td>91.28</td>
<td>35.24</td>
<td>5217.10</td>
</tr>
<tr>
<td>V2O5 Payment</td>
<td>554.01</td>
<td>7.75</td>
<td>91.28</td>
<td>4.89</td>
<td>4255.84</td>
</tr>
<tr>
<td>Haulage Allowance</td>
<td>1.34 Milts</td>
<td>92.90 Wet Tons</td>
<td>@ .084 per wet ton mile</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total U308, V2O5 and Haulage Payment: 1101.96

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U308, V2O5 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U308 contents and of V2O5 contents of the several loads delivered and covered by this settlement.

Voucher Number: 8429.12
Check Number: 8429.12
Approved for Payment: [Signature]

Date: 8-25-53

[Additional information and signatures]
ORE SETTLEMENT

Receiving Station: Rifle, Colorado
Liquidation No.: 4793
Lot No.: 1666
Shippers Lot No.: A.E.C. License No.: P-723
Bought of: Bonanza Mining Co., Colorado
Address: Rifle, Colorado
Type of Ore: Mining
Mining Claim: Bonanza No.
Mining District: 86
Date Received: 8-12-53
Pile No.: 

<table>
<thead>
<tr>
<th>Lot No.</th>
<th>Net Weight Pounds</th>
<th>% H₂O</th>
<th>Dry Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SETTLEMENT ASSAYS</th>
<th>CONTENTS POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U₃O₈</td>
<td>V₂O₅</td>
</tr>
<tr>
<td>0.48</td>
<td>2.20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRICED PER A.E.C. CIRCULAR NO. 14 (1950)</th>
</tr>
</thead>
<tbody>
<tr>
<td>POUNDS</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>U₃O₈</td>
</tr>
<tr>
<td>V₂O₅</td>
</tr>
<tr>
<td>CaCO₃</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>V₂O₅</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Loss High Line Penalty over 5% CaCO₃</td>
</tr>
<tr>
<td>%</td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>TOTAL</td>
</tr>
<tr>
<td>Haulage Allowance: 134 Miles, 1993 Wet Tons @ .077 per wet ton mile</td>
</tr>
</tbody>
</table>

Total U₃O₈, V₂O₅ and Haulage Payment: 205.67

I certify that I am the lawful owner or authorized Representative of the Lawful Owner of the Ore described in this Settlement Sheet and have legal right to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U₃O₈, V₂O₅ and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

Voucher Number: 481
Check Number: 60109

Approved for Payment

By: Frank E. Woodward
Saler or Agent
Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA-2446 (Uranium), Contract Idm-E445, Boomerang Mining Company, Grand County, Utah.

Enclosed are two copies of a memorandum to Mr. T. A. Christensen dated March 18, 1954, relative to final payment under the terms of the subject contract.

Final payment to the Operator in the amount of $500.00 has now been made in conformance with the Report of Review by the Contract Administration and Audit Division dated February 23, 1954.

John F. Shaw
For W. H. King

Enclosures
224 New Customhouse
Denver 2, Colorado
March 18, 1954

Memorandum

To: T. A. Christensen
From: Executive Officer, BHEA Field Team, Region IV

Subject: Locket BHEA 2446 (Uranium), Contract Idm-E445, Boomerang Mining Company, Grand County, Utah - FINAL PAYMENT

Reference is made to our memorandum of December 15, 1953, whereby we transmitted the final Form FP-104 Operator's Monthly Progress Report and Voucher for the month of August 1953 and instructed you to withhold the amount of $500.00 from reimbursement to the operator pending receipt of the operator's final report and release of the final report of review by the Contract Administration and Audit Division.

We now recommend that final payment to the operator be made on the following basis, which is in conformance with the report of review by the Contract Administration and Audit Division dated February 23, 1954, which was released to this office March 10, 1954.

Basis for final payment

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total accepted cost</td>
<td>$23,820.06</td>
</tr>
<tr>
<td>Government participation at 90%</td>
<td>21,438.07</td>
</tr>
<tr>
<td>Total prior payments</td>
<td>24,936.07</td>
</tr>
<tr>
<td>Balance due the operator...</td>
<td>$500.00</td>
</tr>
</tbody>
</table>

JWT:jp
cc Contract
Sec. Oper. Comm. (2):
SRWilson
Chron
JWTownsend

W. H. King

500°
3/24/54
Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104 - DMEA Docket 2446, Contract Idm-E445 (Uranium), Boomerang Mining Company, Grand County, Utah.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period March 26 to April 30, 1953, pertaining to DMEA Docket 2446, Contract Idm-E445 (Uranium), Boomerang Mining Company, Grand County, Utah.

W. H. King

Enclosures
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.

224 New Customhouse
Denver 2, Colorado

October 22, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA No. 2446, Contract IDA-5445 (Uranium), Boomerang Mining Company, Grand County, Utah. Operator's Monthly Progress Report for the period March 26 to April 30, 1953.

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report
Date Received in Field Office
Date Received in Region Office

May 9, 1953.
October 13, 1953.
October 21, 1953.

John F. Shaw
For W. R. King

Enclosures

cc: Contract
Secretary to the Oper. Comm. (2)

Wilson
Chron.
To: W. H. King, Executive Officer, DMEA Field Team, Region IV
From: Chief, Minerals Development Branch, Mining Division, Region IV
Subject: Becket No. DMEA-2446 (Uranium), Contract IDA-2445, Boomerg Mining Co., Grand County, Utah, SF-104 forms for the period March 26 to April 30, 1953

Transmitted herewith are the required SF-104 forms and supporting information concerning expenditures under the subject contract for the period March 26 to April 30, 1953.

Operations during the reporting period consisted of diamond drilling 4,788 feet in 39 holes and rim stripping totaling 128 hours. The diamond drilling was conducted in three general areas. On the Becket No. 2 claim in the vicinity of the Carneate mine, diamond drilling disclosed an extension of the ore body presently being mined. A total of 9 holes were drilled behind lenses of mineralization exposed by rim stripping on claims of the Grindstone and Urania groups. All hole locations are shown on figures 1 and 2 attached to the SF-104 forms.

All work completed during the reporting period was done in an efficient manner. The operator maintains the proper plan maps and geologic sections illustrating the progress of the work. This information was used by the DMEA representatives in preparing reports on the operation.

The diamond drilling and rim stripping accomplished during the period are in conformance with terms of the contract and amendments thereto. It is recommended that the operator be reimbursed by 90 percent of the reported expenditures.

The present SF-104 forms were received from the operator October 13, 1953. Delay in transmitting the forms to Denver is the result of the heavy work load of the inspecting engineers. The forms were originally received in this office May 13, 1953, but irregularities necessitated return to the operator for correction.

Sincerely,

[Signature]

Stephen H. Wilson

Enclosures
S. K. Wilson

October 30, 1953

M. K. Thurber, Jr.

Deed No. BIMA 2116 (Uranium), Contract IDA-1445, Buenaventura Mining Co., Grand County, Utah. Monthly progress report and NF-104 forms for period March 26 to April 30, 1953

The subject property was inspected June 5, 1953, in company with Charles V. Woodard, Frank H. Woodard, and Harold Anderson, partners. On the same date, L. J. Rieger, project chief of the Geological Survey, was contacted concerning the results of his agency's drilling in the area and his findings relative to possible extension of the ore body found by BIMA drilling.

The diamond drilling under the contract and amendments was in recess at the time of the inspection to allow the results of the Geological Survey drilling being done on claims adjacent to the project area to be interpreted. The recess was suggested by L. J. Rieger, the project geologist in charge of that agency's drilling program in the area. A geologic plan and sections have been made from the drilling data, and additional hole sites have been suggested by Mr. Rieger upon which drilling was resumed on July 30, 1953. The suggested pattern of these holes is shown on a map attached to a memorandum from L. P. Rieger, Colorado Plateau District Office of the Geological Survey, to A. F. Keesman dated August 29, 1953.

During the reporting period, the operators drilled 39 holes totaling 4,788 feet; 2,652 feet of drilling remains under the contract. Thirty of the holes were drilled in the area of the Carvansite mine workings and 9 holes were drilled behind ore lenses exposed by rim stripping on claims of the Brantack and Brantack groups. The locations of all the holes drilled are shown on figures 1 and 2, attached. The money expended during the reporting period for diamond drilling totals $14,555.38, and for rim stripping, $1,280.00. The latter amount represents 120 hours of bulldozing, leaving 22 hours in this category unexpended.

The diamond drilling in the area of the Carvansite mine workings on Section No. 2 claims has discovered an extension of the ore body presently being mined underground. Holes 607, 619, 626 and 689 are considered by the operator to have penetrated mineable ore, and Holes 611 and 615 are mineralized, but are below ore grade or thickness. These holes and the approximate outline of the extensions of the ore body are shown on figure 1, attached. The operators estimate that sufficient ore has been discovered to maintain an operation for a minimum of 2 years. A recommendation of certification of discovery will be made.
The operator's narrative report outlines the work done and the results accomplished. The comments on the individual holes are sufficient, but it was noted that hole 613 was not included in the list of holes in the narrative. A letter requesting information on this hole was sent to the operators, and their reply was received August 3, 1953. In the paragraph numbered 2, the operators state:

"The story on 29 hole 613 is unfavorable. The sandstone at the ore horizon is 36 ft. thick, very clean and medium grain; no altered blue clay on top of sand and only slightly altered at the bottom of the sand. This hole was partially gamma ray logged by the U.S.G.S. They were unable to reach bottom, but no indication of mineralization was found."

Certified drill logs are presented with the MF-104 forms. In this connection, the operator notes that the holes were also logged by L. J. Fischer of the Geological Survey for that agency's use. These logs are filed in R., P. Fischer's office, Grand Junction, Colorado.

The work done during the reporting period was accomplished in a workmanlike manner by the operators and their subcontractors. Difficult drilling was encountered in the 9 holes drilled on Grandoo No. 1, Grandoo No. 2, and Ursula No. 2 claims, Figure 2, wherein badly fractured ground resulted in loss of water and poor core recovery. The overall average core recovery for these 9 holes was 76.9 percent, while the core recovery for the 30 holes drilled near the Cerusite mine workings was 85.3 percent. The cores from all the drilling were logged either as they were pulled or shortly afterward, and the cores were properly stored in wooden core boxes until removed by the representative of the Geological Survey for storage or disposal.

The operators maintained maps and geologic sections of the work as it progressed, which were helpful in planning additional holes, based upon geologic data gathered from preceding holes. This information was used by the Geological Survey in preparing geologic sections. Other records of the work during the reporting period were well maintained and properly presented.

Inasmuch as the project was resumed at the end of the reporting period, a summary of the funds expended and the units of work accomplished and remaining under the contract follows:
<table>
<thead>
<tr>
<th></th>
<th>Total Contract</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount</td>
<td>Revised</td>
<td>Remaining</td>
</tr>
<tr>
<td>Bulldozing:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulldozer hours</td>
<td>150 hours</td>
<td>138 hours</td>
<td>22 hours</td>
</tr>
<tr>
<td>Funds expended (at $10 per bulldozer hour)</td>
<td>$1,500.00</td>
<td>$1,380.00</td>
<td>$220.00</td>
</tr>
<tr>
<td>Diamond Drilling:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Footage in all areas</td>
<td>7,440 ft.</td>
<td>4,785 ft.</td>
<td>2,652 ft.</td>
</tr>
<tr>
<td>Funds expended (at $3.04 per foot)</td>
<td>$22,617.60</td>
<td>$14,555.52</td>
<td>$8,062.08</td>
</tr>
</tbody>
</table>

This summary shows that $8,062.08 remains to be expended on drilling and $220.00 on bulldozing, a total of $8,282.08 remaining on the project.

The NE-104 forms for the reporting period correctly reflect the work accomplished and the expenditures made under the subject contract, and amendments, to April 30, 1953. The operator's narrative report is complete in outlining the results of drilling and rim stripping on the property. It is recommended that the operators be reimbursed in the amount of $14,251.97, which is 90 percent of $15,835.92, the total expenditures on the property for the reporting period.

H. E. Thurber, Jr.
**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**DEFENSE MINERALS EXPLORATION ADMINISTRATION**

**OPERATOR'S MONTHLY REPORT AND VOUCHER**

**Month of April 30, 1953**  
**Docket No. DMEA 2446**  
**Contract No. Idm-445**  
**Minerals: Uranium**

**Contract Amount:** $24,117.60  
**Government Participation:** 90%

**March 26 to**

---

**Items of Costs**

<table>
<thead>
<tr>
<th>ITEMS OF COSTS</th>
<th>FOR OPERATOR'S USE</th>
<th>FOR GOVERNMENT USE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Independent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short Form</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling</td>
<td>$14,555.52</td>
<td>None</td>
</tr>
<tr>
<td>Bulldozing</td>
<td>$1,280.00</td>
<td>$1,280.00</td>
</tr>
<tr>
<td>Crosscutting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drifting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) Labor and Supervision:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervision</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) Operating Mat'ls. and Supplies:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timber</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pipe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4) Operating Equipment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rental</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purchase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depreciation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(5) Initial Rehabilitation and Repairs:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(6) New Blds., Improvements, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(7) Miscellaneous:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repairs to Equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sampling and Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payroll Taxes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liability Insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(8) Contingencies (specify):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td>$15,835.52</td>
<td>$15,835.52</td>
</tr>
</tbody>
</table>

I certify that the above bill is correct and just and that payment therefor has not been received.

Date: __________  
*Payee: Boomerang Mining Company*

Per: __________  
Title: Partner

*NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)
CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 3 in accordance with the terms of the contract.

Signature: [Signature] Title: [Title] Date: Oct. 15, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature: [Signature] Title: Executive Officer Date: Oct. 2, 1953

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) Form MF-104—Operator’s Monthly Report and Voucher.—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government’s share of costs;

(b) Form MF-104A—Operator’s Unit Cost and Progress Report.—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator’s Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words “Short Form” if the contract is a sub-contract under Form MF-200; and delete word “Independent” if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than those used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under “Rental”. The amount paid or duly obligated for payment for the purchase of equipment may be reported under “Purchase”. The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under “Depreciation”.

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen’s compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen’s compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, “Certified True Copy (or Transcript)”, followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an “on-site” audit, that is, a Government auditor should make an audit of the Operator’s books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N.B.—Only the original of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word “Independent” and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the “Monthly Total” amount due. “Totals Previously Reported”, and “Totals to Date” columns should also be filled in.
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

March 26 to Month of April 30, 1953
Docket No. DMEA 2446
Contract No. Idm-E-445

Operator's Name Boomerang Mining Company
Address Box 112, Gateway, Colorado

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>UNIT</th>
<th>COSTS THIS MONTH</th>
<th>UNITS THIS MONTH</th>
<th>COSTS TO DATE</th>
<th>UNITS TO DATE</th>
<th>UNIT COSTS TO DATE</th>
<th>AUTHORIZED BY CONTRACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drifting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crosscutting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raising</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winzes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling: Core</td>
<td>Feet</td>
<td>124.23</td>
<td>4.18</td>
<td>410.3</td>
<td>3.04</td>
<td>774.0</td>
<td>3.04</td>
</tr>
<tr>
<td>Core Project I</td>
<td>Feet</td>
<td>141.76</td>
<td>2.44</td>
<td>1452.52</td>
<td>128</td>
<td>1280.00</td>
<td></td>
</tr>
<tr>
<td>Core Project II</td>
<td>Feet</td>
<td>140.64</td>
<td>1.44</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core Project III</td>
<td>Feet</td>
<td>128.00</td>
<td>1.28</td>
<td>1280.00</td>
<td>128</td>
<td>1280.00</td>
<td></td>
</tr>
<tr>
<td>Stripping</td>
<td>Hours</td>
<td>1280.00</td>
<td>128</td>
<td>1280.00</td>
<td>128</td>
<td>1280.00</td>
<td></td>
</tr>
<tr>
<td>Trenching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Pits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roads and Trails</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Distributed Costs</td>
<td></td>
<td>15,835.52</td>
<td></td>
<td>15,835.52</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Equipment Purchased</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial Rehabilitation and Repairs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Buildings, Improvements, etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Costs</td>
<td></td>
<td>15,835.52</td>
<td></td>
<td>15,835.52</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date May 9, 1953
Operator Boomerang Mining Co.
Per Charles V. Woodard
Title Partner
Charles V. Woodard

NOTE—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)
INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.
From the results of the drilling done on Project I the structure favorable for ore deposition seems to be a sand that is from 20 to 25 feet thick, medium grained with much trash (much organic matter such as leaves and twigs). The sand is covered with 2 to 5 feet of altered blue shale and is underlain by blue shale from 2 feet to 3 feet thick. Sand unfavorable for ore deposition seems to be clean, course grained and either thinner than 20 feet or thicker than 50 feet overlain and underlain by unaltered red shale or very thin altered blue shale.

Drilling was started on March 26. Holes, numbers 606, 607, 609 and 609 were drilled to test the structure in the west section of the mine. Holes 606 and 607 were definitely unfavorable. Holes 603 and 609 seemed to be favorable at the time they were drilled, the sand was thick (35 ft.) and there was slight alteration to blue shale on the bottom of the sand. Hole 610 was unfavorable and showed that the sand was lensing out to the west and south.

Hole 633 was drilled between hole 603 and the workings where a large stop had been mined.

U.S.G.S. holes 830 and 331 seemed favorable so hole 620 was drilled to test this area.

In the east area holes 602, 603, 612 and 614 were drilled to test for structure. Hole 603 was favorable and hole 612 showed slight mineralization. These holes showed our proposed ore channel was either disappearing or turning easterly. Holes 601, 605, 611, 615, 616, 617, 622 and 623 were drilled to determine if the channel was turning. Hole 605 hit ore, holes 611, 615, 617 were favorable and showed very slight mineralization. Hole 616 showed much slump structure and determined the north easterly limit for further drilling.

Holes 604, 613, 619, 621, 626, 623 and 623 were drilled to test the channel. Hole 604 showed the same slump structure as hole 616. Holes 619, 626, and 629 hit ore.

Holes 624, 625 and 627 were drilled to test a showing of mineralization on the rim and also to determine the north easterly limit of the ore channel.

The cores have been split, sampled and are now at the assayers.

Mr. Lee Eicher - Project Geologist, Beaver Mesa, from Grand Junction office of U.S.G.S. has logged all the cores and has gamma-ray logged a few holes.
Diamond drill hole 613 is classified as unfavorable. The sandstone at the ore horizon is 36 feet thick, very clean and medium grain; no altered blue clay on top of sand and only slightly altered at the bottom of the sandstone. This hole was partially gamma-ray logged by the U.S.I.S. They were unable to reach bottom, but no indication of mineralization was found.

PROJECT III
BULLDOZING AND DIAMOND DRILLING

Bull stripping by bulldozer was started March 26. We were fortunate in having a very good dozer operator and the work progressed rapidly.

Four mineralized areas were exposed by the stripping as shown on the enclosed map.

Three holes were drilled to a depth of approximately 110 feet to test area A, these were holes 630, 631, and 632.

Three shallow (approximately 60 ft) holes were drilled to test area B. These were holes 634, 635, and 636.

The drilling was disappointing mainly due to the fact that the areas that were drilled were fractured making coring extremely difficult. The core recovery was very bad at the depths where there was possible mineralization so the drilling was stopped.

PROJECT II

Three holes were drilled to a depth of (approximately 90 ft) to test the showing on area B. These were holes 637, 633 and 639.

The Grand Junction office of the U.S.I.S. is now carrying out a drilling project in this area. The tentative plan is to drill widely spaced holes to the east and north of our workings. We would like to recess our D.M.A. drilling until this drilling is completed. The footage allotted to the North Draw area and the footage left from Project I and III then could be used in the area that is most favorable.

On the map for Project I we have proposed a few additional holes in the proposed ore channel, perhaps if the North Draw area of Project II is unfavorable for mineralization some of that footage could be transferred to Project I.

By Charles T. Woodard
## DRILL HOLE LOG

**Location**: PROJECT E  
**Hole No.**: 601  
**Elev. Collar**: APPROX 112.0  
**Depth**: 133

Coordinates: N, E  
Logged by: O. V. W.

### DESCRIPTION AND REMARKS

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Ext.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-70</td>
<td>70</td>
<td></td>
<td>Buried by alternating red shale &amp; blue shale</td>
</tr>
<tr>
<td>75-75</td>
<td>5</td>
<td></td>
<td>Red shale</td>
</tr>
<tr>
<td>75-92</td>
<td>17</td>
<td></td>
<td>White to light brown sandstone</td>
</tr>
<tr>
<td>92-113</td>
<td>21</td>
<td></td>
<td>Red shale</td>
</tr>
<tr>
<td>113-115</td>
<td>2</td>
<td></td>
<td>Blue shale</td>
</tr>
<tr>
<td>115-127</td>
<td>12</td>
<td></td>
<td>White coarse sandstone must carbon (slightly mineralised)</td>
</tr>
<tr>
<td>127-131</td>
<td>4</td>
<td></td>
<td>Blue shale</td>
</tr>
<tr>
<td>131-133</td>
<td>2</td>
<td></td>
<td>Blue shale bottom</td>
</tr>
</tbody>
</table>

Date: APRIL 4, 1952
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>69</td>
<td>68</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>77</td>
<td>67</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>92</td>
<td>120</td>
<td>28</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>135</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Description and Remarks:
- Opaque, reddish brown mica in chalcedony, with white to white-blue mica inclusions.
- Spotted, light yellow brown mica inclusions.
- Mostly red-brown blue and white chalcedony.
## DRILL HOLE LOG

**Location**: PROJECT I

**Hole No.**: 603

**Elev. Collar**: APPROX 1176

**Depth**: 155

**Logged by**: C.D.W.

**Date**: MARCH 27, 1953

### Coordinates

- N, E

### Footage | % | Est. | Chem. Assay | DESCRIPTION AND REMARKS
--- | --- | --- | --- | ---
0 | 89 | 89 | 89 | 89 | 89 |
2 | 104 | 104 | 104 | 104 | 104 |
10 | 149 | 149 | 149 | 149 | 149 |
12 | 134 | 134 | 134 | 134 | 134 |
12 | 149 | 149 | 149 | 149 | 149 |
15 | 156 | 156 | 156 | 156 | 156 |
15 | 155 | 155 | 155 | 155 | 155 |
15 | 156 | 156 | 156 | 156 | 156 |

**Description and Remarks**

- Overburden and blue shale, carbonite
- White to reddish sandstone
- Red shale
- Blue shale
- Light yellow brown sandstone
- Blue shale
- Red shale (carbonate)
<table>
<thead>
<tr>
<th>Footage</th>
<th>%</th>
<th>Est.</th>
<th>Chem. Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>12</td>
<td>9</td>
<td>CaCO₃</td>
</tr>
<tr>
<td>12</td>
<td>13</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>17</td>
<td>0</td>
<td>Red shale</td>
</tr>
<tr>
<td>176</td>
<td>17</td>
<td>2</td>
<td>Blue shale, calcite</td>
</tr>
<tr>
<td>172</td>
<td>18</td>
<td>4</td>
<td>Red shale (bottom)</td>
</tr>
</tbody>
</table>

**DESCRIPTION AND REMARKS**

- Dehydration & Red shale
- Reddish calcite
- Red shale (concentrated structure)
- Blue shale, calcite
- Red shale (bottom)
DRILL HOLE LOG

BOOMERANG MINING COMPANY

Location: PROJECT I
Hole No.: 605
Elev. Collar: APPROX 176
Depth: 198
Coordinates: N, E

Date: APRIL 9, 1953
Logged by: C.W.U.

Footage | From | To | Est. | Chem. Assay |
--------|------|----|------|-------------|
0 | 120 | 126 | | |
126 | 138 | 18 | | |
138 | 158 | 17 | | |
158 | 182 | 2 | | |
182 | 167 | 1/2 | | |
167 | 148 | 2 | | |
148 | 160 | 1/2 | | |
160 | 170 | 2 | | |
170 | 170 | 2 | | |
170 | 170 | 2 | | |
170 | 181 | 11/2 | | |
181 | 183 | 2 | | |
183 | 204 | 2 | | |
204 | 206 | 3 | | |
206 | 208 | 1/2 | | |
208 | 192 | 1/2 | | |
192 | 198 | 3 | | |

DESCRIPTION AND REMARKS

0 - 126 Overburden, Red + Blue Shale, Sandstone
126 - 18 Overburden, Red + Blue Shale, Sandstone
18 - 2 White To Reddish Sandstone
2 - Red + Blue Mottled Shale

BOOMERANG MINING COMPANY
DMEA Docket 2446
### Drill Hole Log

**Boomerang Mining Company**

**Location:** Prosper X  
**Hole No.:** 696  
**Elev. Collar:** Approx 1073  
**Depth:** 93  
**Coordinates:** N, E  
**Date:** March 26, 1953

**Logged by:** Q.J.W.

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core</th>
<th>Rec.</th>
<th>U₂O₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2.3</td>
<td>2.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Compacted white sandstone</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red paste</td>
</tr>
<tr>
<td>6.5</td>
<td>6.9</td>
<td>0.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>White to yellow brown sandstone</td>
</tr>
<tr>
<td>6.9</td>
<td>7.1</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blue phase</td>
</tr>
<tr>
<td>7.1</td>
<td>7.3</td>
<td>0.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red and blue phase, weathered</td>
</tr>
<tr>
<td>7.3</td>
<td>9.3</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red and white chlorite</td>
</tr>
</tbody>
</table>
**Boomerang Mining Company**

**Drill Hole Log**

- **Location**: Project T (West Side)
- **Hole No.**: 607
- **Elev. Collar**: Approx 1037
- **Depth**: 83
- **Coordinates**: N, E

**Date**: March 26, 1953

Logged by C.V.W.

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>% Rec.</td>
<td>U₃O₈</td>
</tr>
<tr>
<td>0</td>
<td>32</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>39</td>
<td>39</td>
<td>7</td>
</tr>
<tr>
<td>39</td>
<td>62.5</td>
<td>62.5</td>
<td>20.5</td>
</tr>
<tr>
<td>62.5</td>
<td>83</td>
<td>83</td>
<td>13.5</td>
</tr>
<tr>
<td>Footage</td>
<td>%</td>
<td>Est. U_3O_8</td>
<td>U_2O_7</td>
</tr>
<tr>
<td>---------</td>
<td>---</td>
<td>-------------</td>
<td>--------</td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td>Core</td>
</tr>
<tr>
<td>00</td>
<td>35</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>65</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>95</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>96</td>
<td>125</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

- Red pitch
- Yellow brown sandstone
- Red pitch chert
<table>
<thead>
<tr>
<th>Footage (Feet)</th>
<th>%</th>
<th>U₃O₈</th>
<th>U₂O₅</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>100</td>
<td>4.1</td>
<td>18</td>
<td>7</td>
<td>1</td>
<td>overburden, red shale</td>
</tr>
<tr>
<td>31 – 41</td>
<td>41</td>
<td>18</td>
<td>7</td>
<td>1</td>
<td>1</td>
<td>white sandstone</td>
</tr>
<tr>
<td>41 – 48</td>
<td>7</td>
<td>4.1</td>
<td>18</td>
<td>7</td>
<td>1</td>
<td>red shale</td>
</tr>
<tr>
<td>48 – 51</td>
<td>29</td>
<td>4.1</td>
<td>18</td>
<td>7</td>
<td>1</td>
<td>light yellow-brown sandstone</td>
</tr>
<tr>
<td>51 – 57</td>
<td>18</td>
<td>4.1</td>
<td>18</td>
<td>7</td>
<td>1</td>
<td>red shale (bottom)</td>
</tr>
</tbody>
</table>
**DRILL HOLE LOG**

**Location:** Project E (West Side)

**Hole No.:** 610

**Elev. Collar:** Approx 118 ft

**Depth:** 64 ft

**Coordinates:** N, E

---

**Footage** | **%** | **Est. U₂O₃** | **U₃O₈** | **V₂O₃** | **CaCO₃** |
--- | --- | --- | --- | --- | --- |
21 | 27 | 1.3 |
27 | 40 | 1.2 |
40 | 58 | 2.0 |
58 | 64 | 1.0 |

---

**DESCRIPTION AND REMARKS**

- Olivine with white pseudomorphs
- Light yellow/rainbow pseudomorphs
- Sulfide (cotton)
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core</th>
<th>Rec.</th>
<th>U₃O₈</th>
<th>U₅O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>115</td>
<td>116</td>
<td>115</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>overburden, red &amp; blue shale, sandstone</td>
</tr>
<tr>
<td>141</td>
<td>142</td>
<td>141</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>white to reddish sandstone</td>
</tr>
<tr>
<td>185</td>
<td>186</td>
<td>185</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>red shale</td>
</tr>
<tr>
<td>185</td>
<td>186</td>
<td>185</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>blue shale</td>
</tr>
<tr>
<td>190</td>
<td>312</td>
<td>190</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>yellow-brown sandstone</td>
</tr>
<tr>
<td>212</td>
<td>236</td>
<td>212</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>blue shale</td>
</tr>
<tr>
<td>236</td>
<td>285</td>
<td>236</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>red shale</td>
</tr>
<tr>
<td>285</td>
<td>315</td>
<td>285</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(bottom)</td>
</tr>
</tbody>
</table>
# Drill Hole Log

**Location**: Project Z

**Hole No.**: 612

**Elev. Collar**: APPROX 1162

**Depth**: 175

**Coordinates**: N, E

**Date**: APRIL 3, 1953

**Logged by**: C. U. W.

## Footage Table

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Depth</th>
<th>Coordinates</th>
<th>U₃O₈</th>
<th>U₄O₆</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>10</td>
<td>24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>12</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>13</td>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>39</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>16</td>
<td>42</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>17</td>
<td>45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>18</td>
<td>48</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>19</td>
<td>51</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>20</td>
<td>54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>21</td>
<td>57</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>22</td>
<td>60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>23</td>
<td>63</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>24</td>
<td>66</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>25</td>
<td>69</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>26</td>
<td>72</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>75</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>78</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>81</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>30</td>
<td>84</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>31</td>
<td>87</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>32</td>
<td>90</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>33</td>
<td>93</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>34</td>
<td>96</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>35</td>
<td>99</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>36</td>
<td>102</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>37</td>
<td>105</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>38</td>
<td>108</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>39</td>
<td>111</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>40</td>
<td>114</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>41</td>
<td>117</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>42</td>
<td>120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>43</td>
<td>123</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>44</td>
<td>126</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>45</td>
<td>129</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>46</td>
<td>132</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>47</td>
<td>135</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>48</td>
<td>138</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>49</td>
<td>141</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>50</td>
<td>144</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>51</td>
<td>147</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>52</td>
<td>150</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>53</td>
<td>153</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>54</td>
<td>156</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>55</td>
<td>159</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>56</td>
<td>162</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>57</td>
<td>165</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>58</td>
<td>168</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>59</td>
<td>171</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>60</td>
<td>174</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>61</td>
<td>177</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chemical Assays**

- U₃O₈
- U₄O₆
- V₂O₅
- CaCO₃

**Remarks**

- Red and blue shale, porphyry
- White and black porphyry
- Porphyry and carbonates
- Alteration, Carbonates
- Light greyish brown sandstone
- Light yellow brown sandstone
- Porphyry and Carbonates
- Light greyish brown sandstone
- Red shale (bottom)
**BOOMERANG MINING COMPANY**

**Location**: Project J

**Hole No.**: 612

**Elev. Collar**: Approx. 1445

**Depth**: 145

**Coordinates**: N, E

**Date**: April 3, 1938

**Logged by**: C.V.W.

### Footage

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core</th>
<th>Rec.</th>
<th>(U_3O_8)</th>
<th>(V_2O_5)</th>
<th>CaCO_3</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>45</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>5.5</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>96.5</td>
<td>106</td>
<td>9.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>142</td>
<td>36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Light yellow-brown sandstone</td>
</tr>
<tr>
<td>142</td>
<td>145</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red and blue mottled shale (bottom)</td>
</tr>
</tbody>
</table>

**DESCRIPTION AND REMARKS**

- overburden, red and blue shale, reddish sandstone
- white to reddish sandstone
- red shale
- light yellow-brown sandstone
- red and blue mottled shale (bottom)
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core Recl.</th>
<th>U₂O₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>114</td>
<td>114</td>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Obsidian, Red Blue Shale, Reddish Sandstone</td>
</tr>
<tr>
<td>117</td>
<td>124</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>White &amp; Reddish Sandstone</td>
</tr>
<tr>
<td>124</td>
<td>144</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red Shale</td>
</tr>
<tr>
<td>144</td>
<td>170</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Light Yellow-Brown Sandstone</td>
</tr>
<tr>
<td>170</td>
<td>172</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blue Shale</td>
</tr>
<tr>
<td>172</td>
<td>174</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red Shale (Bottom)</td>
</tr>
</tbody>
</table>

Logged by C. W. W.
<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>164</td>
<td>164</td>
<td></td>
<td></td>
</tr>
<tr>
<td>162</td>
<td>162</td>
<td></td>
<td></td>
</tr>
<tr>
<td>187</td>
<td>199</td>
<td></td>
<td></td>
</tr>
<tr>
<td>192</td>
<td>192</td>
<td>0.05</td>
<td>0.07 0.07 0.12 0.12</td>
</tr>
<tr>
<td>212</td>
<td>212</td>
<td>0.12 0.12 0.12 0.12</td>
<td></td>
</tr>
</tbody>
</table>

**Logged by:** C.W.
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Core</th>
<th>Rec.</th>
<th>U₃O₈</th>
<th>U₂O₃</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Style</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0104</td>
<td>106</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AASHBOY RAY 900 FT SHALE, REDDISH SANDSTONE</td>
</tr>
<tr>
<td>109</td>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>RAY SHALE</td>
<td>OOLUMP STRUCTURE</td>
</tr>
<tr>
<td>119</td>
<td>142</td>
<td>2.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>RAY SHALE</td>
<td>LIGHT GRAY SANDSTONE</td>
</tr>
<tr>
<td>142</td>
<td>164</td>
<td>2.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>RAY SHALE</td>
<td>RAY RED SHALE (BOTTOM)</td>
</tr>
<tr>
<td>Footage</td>
<td>%</td>
<td>Est.</td>
<td>Chem. Assay</td>
<td>Description and Remarks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>---</td>
<td>-----</td>
<td>-------------</td>
<td>-------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td>Core Rec.</td>
<td>U₃O₈</td>
<td>U₅O₉</td>
<td>V₂O₅</td>
<td>CaCO₃</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>75</td>
<td></td>
<td></td>
<td>78</td>
<td>110</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>110</td>
<td></td>
<td></td>
<td>38</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>125</td>
<td>10</td>
<td></td>
<td>125</td>
<td>131</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>136</td>
<td>11</td>
<td></td>
<td>121</td>
<td>142</td>
<td>11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>136</td>
<td>147</td>
<td>5</td>
<td></td>
<td>144</td>
<td>147</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>147</td>
<td>155</td>
<td>8</td>
<td></td>
<td>147</td>
<td>155</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Overburden, Red Shale

IT Yellow Brown Sandstone

Red Shale

Blue Shale

Light Gray Sandstone

Blue Shale

Red Shale (Bottom)
# DRILL HOLE LOG

## BOOMERANG MINING COMPANY

**Location**: Property 7  
**Hole No.**: 611  
**Elev. Collar**: Approx 1185  
**Date**: April 17, 1953  
**Logged by**: C. W. W.

### Coordinates
- N  
- E

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 - 29</td>
<td></td>
<td></td>
<td>Overburden, Red Shale</td>
</tr>
<tr>
<td>79 - 90</td>
<td></td>
<td>Red Shale</td>
<td></td>
</tr>
<tr>
<td>95 - 100</td>
<td></td>
<td>Red Shale</td>
<td></td>
</tr>
<tr>
<td>100 - 105</td>
<td></td>
<td>Light yellow brown sandstone</td>
<td></td>
</tr>
<tr>
<td>135 - 141</td>
<td></td>
<td>Blue Shale</td>
<td></td>
</tr>
<tr>
<td>141 - 143</td>
<td></td>
<td>Red Shale (Bottom)</td>
<td></td>
</tr>
</tbody>
</table>

**Depth**: Approximate
<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-103</td>
<td>120</td>
<td>17</td>
<td>Overburden + Red Shale</td>
</tr>
<tr>
<td>120-126</td>
<td>134</td>
<td>15</td>
<td>White to light brown sandstone</td>
</tr>
<tr>
<td>126-134</td>
<td>137</td>
<td>93</td>
<td>Red Shale</td>
</tr>
<tr>
<td>134-139</td>
<td>142</td>
<td>0.3</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>139-143</td>
<td>146</td>
<td>0.3</td>
<td>Dark grey mineralised sandstone</td>
</tr>
<tr>
<td>143-150</td>
<td>153</td>
<td>9.2</td>
<td>AT yellow-brown sandstone</td>
</tr>
<tr>
<td>150-153</td>
<td>152</td>
<td>1.4</td>
<td>Shale ore</td>
</tr>
<tr>
<td>153-156</td>
<td>156</td>
<td>1.6</td>
<td>AT grey to light yellow-brown sandstone</td>
</tr>
<tr>
<td>156-164</td>
<td>174</td>
<td>8</td>
<td>Red Shale</td>
</tr>
<tr>
<td>164-174</td>
<td>174</td>
<td>8</td>
<td>Red Shale (bottom)</td>
</tr>
<tr>
<td>Foottage</td>
<td>%</td>
<td>Est.</td>
<td>Chem. Assay</td>
</tr>
<tr>
<td>----------</td>
<td>---</td>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>64</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION AND REMARKS**

- AVE. BIRCH + RED SHADE
- LIGHT BROWN SANDSTONE
- RED SHALE
- LT. YELLOW BROWN SANDSTONE
- RED SHALE (BOTTOM)
<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-125</td>
<td></td>
<td>U, O₈</td>
<td>Overburden &amp; Red shale</td>
</tr>
<tr>
<td>125-144</td>
<td>17</td>
<td>Cu₂S₄</td>
<td>White, reddish sandstone</td>
</tr>
<tr>
<td>144-164</td>
<td>19</td>
<td>V₂O₅</td>
<td>Red shale</td>
</tr>
<tr>
<td>164-180</td>
<td>2</td>
<td>Cu₂S₄</td>
<td>Blue shale</td>
</tr>
<tr>
<td>180-191</td>
<td>2.5</td>
<td>CaCO₃</td>
<td>Light yellow-brown sandstone</td>
</tr>
<tr>
<td>191-193</td>
<td>3</td>
<td>Cu₂S₄</td>
<td>Blue shale</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CaCO₃</td>
<td>Red shale</td>
</tr>
</tbody>
</table>

Location: **Project E**
Hole No.: 621
Elev. Collar: **Approx 1170**
Depth: 194
Coordinates: N, E

Date: April 20, 1955
Logged by: C. U. H.
### DRILL HOLE LOG

**BOOMERANG MINING COMPANY**

**Location:** Proser I  
**Hole No.:** 622  
**Elev. Collar:** Apep 1118  
**Depth:** 134'  
**Coordinates:** N, E

**Logged by:** C.Y. W.  
**Date:** April 24, 1953

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.0</td>
<td>12.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.0</td>
<td>196</td>
<td></td>
<td></td>
</tr>
<tr>
<td>107.0</td>
<td>109</td>
<td></td>
<td></td>
</tr>
<tr>
<td>109.0</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>109.1</td>
<td>25</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION AND REMARKS**

- Blaeburden + Red Shale
- Reddish to light yellow brown sandstone
- Red Shale
- Light yellow brown sandstone
- Blue Shale
- Red Shale (bottom)
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core Rec.</th>
<th>U₃O₈</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>36</td>
<td>36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Overbitten and Red Shale</td>
</tr>
<tr>
<td>36</td>
<td>66</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Light grey to white sandstone</td>
</tr>
<tr>
<td>66</td>
<td>76</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red Shale</td>
</tr>
<tr>
<td>76</td>
<td>99</td>
<td>2.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Light yellow-brown sandstone</td>
</tr>
<tr>
<td>99</td>
<td>102</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Black Shale</td>
</tr>
<tr>
<td>102</td>
<td>104</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red Shale (Perren)</td>
</tr>
</tbody>
</table>
DRILL HOLE LOG

BOOMERANG MINING COMPANY

Location: Property (area or mine)
Hole No.: 62-7
Elev. Collar: Approx. 1810
Depth: 9.3
Coordinates: N, E

Date—Logged by: April 27, 1953
 Logged by: C. W. W.

<table>
<thead>
<tr>
<th>Footage</th>
<th>%</th>
<th>Est.</th>
<th>Chem. Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td>U₂O₃</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
<td>2.9</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>2.13</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>4.16</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>11</td>
<td>5.9</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>74</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>95</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>95</td>
<td>154</td>
<td></td>
<td></td>
</tr>
<tr>
<td>154</td>
<td>183</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>183</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DESCRIPTION AND REMARKS

Overburden—Light brown sandstone
Red Shale
Reddish to light yellow-brown sandstone
Blue Shale
Red Shale
Light gray sandstone
Red Shale
Blue Shaly Sandstone
Red Shale

(Bottom)
## DRILL HOLE LOG

### Location
- Location: [Mark of mine]
- Hole No.: 625
- Elev. Collar: Approx. 1463
- Depth: 63
- Coordinates: N, E

### BOOMERANG MINING COMPANY

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-28</td>
<td>28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28-39</td>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39-53</td>
<td>14</td>
<td></td>
<td>Red Shale</td>
</tr>
<tr>
<td>53-54</td>
<td>1</td>
<td></td>
<td>Reddish Sandstone</td>
</tr>
<tr>
<td>54-63</td>
<td>9</td>
<td></td>
<td>Blue Shale</td>
</tr>
<tr>
<td>63-7</td>
<td></td>
<td></td>
<td>Red Shale (Note)</td>
</tr>
</tbody>
</table>

Logged by [Signature]

Date: April 23, 1953
## DRILL HOLE LOG

**Location:** Peacock I  
**Hole No.:** 626  
**Elev. Collar:** Approx. 1196  
**Depth:** 200  
**Coordinates:** N, E

---

### DESCRIPTION AND REMARKS

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>141</td>
<td></td>
<td>Overburden + Red Shale</td>
</tr>
<tr>
<td>141</td>
<td>160</td>
<td></td>
<td>White to reddish sandstone</td>
</tr>
<tr>
<td>160</td>
<td>172</td>
<td></td>
<td>Red Shale</td>
</tr>
<tr>
<td>172</td>
<td>226</td>
<td></td>
<td>Blue Shale</td>
</tr>
<tr>
<td>226</td>
<td>227</td>
<td>92</td>
<td>Light gray sandstone</td>
</tr>
<tr>
<td>227</td>
<td>293</td>
<td>92</td>
<td>Light gray sandstone</td>
</tr>
<tr>
<td>293</td>
<td>320</td>
<td>0.60</td>
<td>Light yellow-brown sandstone</td>
</tr>
<tr>
<td>320</td>
<td>322</td>
<td>0.75</td>
<td>Light yellow-brown sandstone</td>
</tr>
<tr>
<td>322</td>
<td>324</td>
<td></td>
<td>Light gray sandstone</td>
</tr>
<tr>
<td>324</td>
<td>325</td>
<td></td>
<td>Light gray sandstone</td>
</tr>
<tr>
<td>325</td>
<td>326</td>
<td></td>
<td>Slate</td>
</tr>
<tr>
<td>326</td>
<td>328</td>
<td></td>
<td>Blue Shale</td>
</tr>
<tr>
<td>328</td>
<td>330</td>
<td></td>
<td>Blue Shale</td>
</tr>
</tbody>
</table>

---

Logged by C.W.I.  
Date: April 23, 1953
DRILL HOLE LOG

BOOMERANG MINING COMPANY

Location: PROJECT I (GARTH OF MINE)
Hole No.: 637
Elev. Collar: APPROX 1036
Depth: 81'
Coordinates: N, E

Date: April 23, 1953
Logged by: C.H.W.

Footage | % Est. | Chem. Assay | DESCRIPTION AND REMARKS
--- | --- | --- | ---
0-26 26 | 0 | 0 | Reddish Sandstone
27-39 13 | 0 | 0 | Red Shale
39-49 9 | 0 | 0 | Reddish Sandstone
48-54 6 | 0 | 0 | Red Shale (Bottom)
# DRILL HOLE LOG

**BOOMERANG MINING COMPANY**

**Location:** Project C  
**Hole No.:** 628  
**Elev. Collar:** Approx 1130  
**Depth:** 135  
**Coordinates:** N, E

---

**Date:** April 24, 1953  
**Logged by:** C. D. W.

---

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core</th>
<th>Rec.</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>60</td>
<td>60</td>
<td>Core</td>
<td>Rec.</td>
<td>60</td>
<td>U₃O₈, V₂O₅, CaCO₃</td>
<td>Overburden, Red Shale, sensitive</td>
</tr>
<tr>
<td>61</td>
<td>16</td>
<td>46</td>
<td>Core</td>
<td>Rec.</td>
<td>46</td>
<td></td>
<td>Wet to light brown sandstone</td>
</tr>
<tr>
<td>94</td>
<td>95</td>
<td>1</td>
<td>Core</td>
<td>Rec.</td>
<td>95</td>
<td>U₃O₈, V₂O₅, CaCO₃</td>
<td>Red Shale</td>
</tr>
<tr>
<td>95</td>
<td>134</td>
<td>38</td>
<td>Core</td>
<td>Rec.</td>
<td>134</td>
<td>Blue Shale</td>
<td>Light yellow-brown sandstone</td>
</tr>
<tr>
<td>134</td>
<td>139</td>
<td>5</td>
<td>Core</td>
<td>Rec.</td>
<td>139</td>
<td>U₃O₈, V₂O₅, CaCO₃</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>139</td>
<td>139</td>
<td>2</td>
<td>Core</td>
<td>Rec.</td>
<td>139</td>
<td>U₃O₈, V₂O₅, CaCO₃</td>
<td>Red Shale (Bottom)</td>
</tr>
</tbody>
</table>

---

**Footage:**

- 60 feet to 60 feet: Overburden, Red Shale, sensitive
- 61 feet to 16 feet: Wet to light brown sandstone
- 94 feet to 95 feet: Red Shale
- 95 feet to 134 feet: Light yellow-brown sandstone
- 134 feet to 139 feet: Blue Shale
- 139 feet to 139 feet: Red Shale (Bottom)
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core</th>
<th>Recr.</th>
<th>U₂O₅</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1/4</td>
<td>1/4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Black nor, Red shale, Sandstone</td>
</tr>
<tr>
<td>1/4</td>
<td>1/2</td>
<td>1/2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>White to light yellow brown Sandstone</td>
</tr>
<tr>
<td>1/2</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red shale</td>
</tr>
<tr>
<td>1</td>
<td>1/4</td>
<td>1/4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blue shale</td>
</tr>
<tr>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Gray Shaly Sandstone (Tracey)</td>
</tr>
<tr>
<td>1/4</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Gray Sandstone</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>Light yellow brown Sandstone</td>
</tr>
<tr>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>Black Ore</td>
</tr>
<tr>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>Light Gray Sandstone Tracey</td>
</tr>
<tr>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>Blue Shaly Sandstone</td>
</tr>
<tr>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>Blue Shaly</td>
</tr>
<tr>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>Red Shale (Bottom)</td>
</tr>
</tbody>
</table>
BOOMERANG MINING COMPANY

Location: Project #1 Area B
Hole No.: 630
Elev. Collar: 0260
Depth: 120
Coordinates: N, E

Logged by: C.U. W
Date: April 23, 1953

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 26</td>
<td>25</td>
<td>25</td>
<td>Redish Sandstone, Top</td>
</tr>
<tr>
<td>27 - 47</td>
<td>25</td>
<td>25</td>
<td>Red Slate</td>
</tr>
<tr>
<td>47 - 68</td>
<td>5</td>
<td>5</td>
<td>Light Yellow-brown Sandstone</td>
</tr>
<tr>
<td>68 - 73</td>
<td>1</td>
<td>1</td>
<td>Red Slate</td>
</tr>
<tr>
<td>78 - 95</td>
<td>22</td>
<td>22</td>
<td>Redish Sandstone, Hole Manner?</td>
</tr>
<tr>
<td>96 - 120</td>
<td>25</td>
<td>25</td>
<td>Red Sandstone, Manner?</td>
</tr>
<tr>
<td>120 - 125</td>
<td>50</td>
<td>50</td>
<td>Red Slate</td>
</tr>
</tbody>
</table>

(Bottom)
## Drill Hole Log

**Location**: PROJECT III AREA 'A'

**Hole No.**: 691

**Elev. Collar**: APROX 1080

**Depth**: 94 ft

**Coordinates**: N, E

---

### Description and Remarks

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>24</td>
<td>25</td>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>24</td>
<td>87</td>
<td>66</td>
<td></td>
<td></td>
<td>24</td>
</tr>
<tr>
<td>87</td>
<td>38</td>
<td>18</td>
<td></td>
<td></td>
<td>87</td>
</tr>
<tr>
<td>38</td>
<td>38</td>
<td>10</td>
<td></td>
<td></td>
<td>38</td>
</tr>
<tr>
<td>44</td>
<td>44</td>
<td>0</td>
<td></td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>44</td>
<td>64</td>
<td>20</td>
<td></td>
<td></td>
<td>64</td>
</tr>
<tr>
<td>64</td>
<td>64</td>
<td>2</td>
<td></td>
<td></td>
<td>64</td>
</tr>
<tr>
<td>64</td>
<td>64</td>
<td>2</td>
<td></td>
<td></td>
<td>64</td>
</tr>
<tr>
<td>64</td>
<td>93</td>
<td>27</td>
<td></td>
<td></td>
<td>64</td>
</tr>
<tr>
<td>93</td>
<td>93</td>
<td>1</td>
<td></td>
<td></td>
<td>93</td>
</tr>
<tr>
<td>93</td>
<td>93</td>
<td>1</td>
<td></td>
<td></td>
<td>93</td>
</tr>
</tbody>
</table>

**Logged by**: C. U. H.

**Date**: April 23, 1957

**Chemistry**:

<table>
<thead>
<tr>
<th>% U₂O₅</th>
<th>% V₂O₅</th>
<th>% CaCO₃</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION AND REMARKS**

- Overburden - Sandstone
- White to Light Brown Sandstone
- Red Shale
- White to Light Brown Sandstone
- Red Shale
- Light Brown to Reddish Sandstone
- Red Shale

**Note**: Red from...
## DRILL HOLE LOG

**BOOMERANG MINING COMPANY**

**Location:** Project III Area 'A'

**Hole No.:** 632

**Elev. Collar:** Approx. 1642'

**Depth:** 100

**Coordinates:** N, E

**Logged by:** O. Y. W.

**Date:** April 29, 1983

### DESCRIPTION AND REMARKS

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core</th>
<th>U₂O₅</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>13</td>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Overburden</td>
</tr>
<tr>
<td>13</td>
<td>26</td>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>White to light brown sandstone</td>
</tr>
<tr>
<td>26</td>
<td>29</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red Shale</td>
</tr>
<tr>
<td>29</td>
<td>32</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reddish sandstone</td>
</tr>
<tr>
<td>32</td>
<td>35</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red Shale</td>
</tr>
<tr>
<td>35</td>
<td>39</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reddish sandstone</td>
</tr>
<tr>
<td>39</td>
<td>43</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red Shale</td>
</tr>
<tr>
<td>43</td>
<td>50</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(Top)</td>
</tr>
<tr>
<td>50</td>
<td>62</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>75</td>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>82</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>82</td>
<td>98</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>98</td>
<td>100</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# DRILL HOLE LOG

**BOOMERANG MINING COMPANY**

**Location:** Precipice (West side of mine)

**Hole No.:** 633

**Elev. Collar:** Approx 119 ft

**Depth:** 8 ft

**Coordinates:** N, E

**Date:** April 23, 1953

**Logged by:** C. W.

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rec.</td>
<td>U₃O₈</td>
<td>U₂O₃</td>
</tr>
<tr>
<td>0</td>
<td>28.35</td>
<td>28.76</td>
</tr>
<tr>
<td>25</td>
<td>31.46</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>43.12</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>44.54</td>
<td></td>
</tr>
<tr>
<td>77</td>
<td>77.33</td>
<td></td>
</tr>
<tr>
<td>77</td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>84</td>
<td>84.6</td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION AND REMARKS**

- 0-28.76 ft: Overburden + Sandstone
- 28.76-31.46 ft: Light Yellow-Brown Sandstone
- 41-43.12 ft: Red shale
- 44.54-77.33 ft: Blue shale
- 77-84.6 ft: Red shale (bottom)

- Light Yellow-Brown Sandstone
- Red shale
- Blue shale
- Red shale
<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>Core Rec.</td>
<td>U₃O₈</td>
</tr>
<tr>
<td>0</td>
<td>10</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>14.26</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28.39</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29.34</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26.36</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36.39</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Footage</td>
<td>% Est.</td>
<td>Chem. Assay</td>
<td>DESCRIPTION AND REMARKS</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td>-------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>0-25</td>
<td></td>
<td></td>
<td>LIGHT BROWN TO WHITE SANDSTONE</td>
</tr>
<tr>
<td>25-32</td>
<td></td>
<td></td>
<td>RED SHALE</td>
</tr>
<tr>
<td>32-33</td>
<td></td>
<td></td>
<td>BLUE + BROWN SANDY SHALE</td>
</tr>
<tr>
<td>33-34</td>
<td></td>
<td></td>
<td>WHITE SANDSTONE</td>
</tr>
<tr>
<td>34-35</td>
<td></td>
<td></td>
<td>RED SHALE (Bottom)</td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td>Core</td>
</tr>
<tr>
<td>------</td>
<td>----</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>3</td>
<td>3.0</td>
<td>U3O8</td>
</tr>
<tr>
<td>3</td>
<td>93</td>
<td>313</td>
<td>U3O7</td>
</tr>
<tr>
<td>4</td>
<td>46</td>
<td>33</td>
<td>V2O5</td>
</tr>
<tr>
<td>46</td>
<td>49</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>52</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>53</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>54</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**DRILL HOLE LOG**

**BOOMERANG MINING COMPANY**

**Location:** Project III Area B

**Hole No.:** 627

**Elev. Collar:** Approx. 1080

**Depth:** 85

**Coordinates:** N, E

**Date:** April 27, 1953

**Logged by:** E.J. W.

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>Core Rec.</td>
<td>U₃O₈</td>
</tr>
<tr>
<td>0</td>
<td>25</td>
<td>35-</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>85</td>
<td>30-</td>
<td></td>
</tr>
<tr>
<td>85</td>
<td>19</td>
<td>69</td>
<td></td>
</tr>
<tr>
<td>79</td>
<td>29</td>
<td>79-</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>25</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Overburden to White Sandstone

Light Yellow-brown Sandstone

Red Shale

Reddish Sandstone

Red Shale (Bottom)
<table>
<thead>
<tr>
<th>Footage</th>
<th>%</th>
<th>Est.</th>
<th>Chem. Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td>Rec.</td>
</tr>
<tr>
<td>0</td>
<td>19</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>25</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>36</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>44</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>69</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>74</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>79</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION AND REMARKS**

Oberharden + light brown sandstone

Red shale

Reddish sandstone

Red shale

Reddish sandstone

White to gray sandstone

Red shale (bottom)
### DRILL HOLE LOG

**BOOMERANG MINING COMPANY**

<table>
<thead>
<tr>
<th>Location</th>
<th>PROJECT III, Area 'B'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole No.</td>
<td>639</td>
</tr>
<tr>
<td>Elev. Collar</td>
<td>Approx. 1030</td>
</tr>
<tr>
<td>Depth</td>
<td>80</td>
</tr>
<tr>
<td>Coordinates</td>
<td>N, E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Footage</th>
<th>%</th>
<th>Est.</th>
<th>Chem. Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td>Core</td>
</tr>
<tr>
<td>0</td>
<td>31</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>59</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>76</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>80</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

- Overburden + white to gray sandstone
- Red shale
- Reddish to white sandstone
- Red shale (bottom)

Logged by C. W.
Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, D.M. Field Office, Region IV

Subject: Contract D.M. 2hl6 (Uranium), Contract Idm-4hl5, Boomerang Mining Company, Grand County, Utah - Operator's Monthly Progress Report for the period August, 1953

Enclosed are two copies of the Operator's Monthly Progress Report for RF-10A and 10B, Operator's Narrative Report, Geologist's Narrative Report, and other supporting data pertaining to Contract D.M. 2hl6, Contract Idm-4hl5, Boomerang Mining Company, for the period August, 1953.

W.F. King

Enclosures

1d

Wilson w/copy of report
C.R.
Date: ____________________

Reference: ____________________

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

90% of Amount Claimed $ 7186.10

Difference $ 500.00

Amount Approved $ 6686.10

The reason for the difference was due to:

(500 withheld pending receipt of Operator's Final Report and release of Final Report of Review by Contract Administration and Audit Division.)

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV-B & F Form No. 4
4-15-52 D
Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV


Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

An amount of $500.00 is to be withheld from the total amount due the Operator pending receipt of the Operator's final report and release of the final Report of Review by the Contract Administration and Audit Division.

It is requested that a statement be included on the Audit Difference Statement sheet explaining the reason the above amount was withheld.

Remarks:

Date of Report

Date Received in Field Office

Date Received in Region Office

November 16, 1953.

November 24, 1953.

December 14, 1953.

Enclosures

RDB: cwm

cc: Contract; Secretary to the Oper. Comm. (2); SRWilson; Chron.; JWTownsend
December 11, 1953

Memorandum

To: W. N. King, Executive Officer, DMEA Field Team, Region IV
From: Chief, Minerals Development Branch, Mining Division, Region IV
Subjects: Docket No. DMEA 2446 (Uranium), Contract Ids-2445, Boomerang Mining Co., Grand County, Utah. M-104 forms for August 1953

Attached are the necessary copies of M-104 forms and supporting information pertaining to work accomplished under the subject contract during August 1953. The property was inspected by R. K. Thurber November 4, 1953. The work and details of diamond drilling were discussed with the operators at the time of inspection.

A total of 2,686.5 feet of diamond drilling is reported on the M-104 forms. This drilling completes the work under the contract, although a total of 235.5 feet of drilling remains incomplete. The present M-104 forms are to be considered the final forms to be submitted by the operator.

Conversation with the operator and study of the certified drill logs accompanying the M-104 forms disclose that no drilling was accomplished on the Boomerang No. 6 claim prior to August 19, 1953, the date of the amended location. This drilling was therefore accomplished under terms of the contract and amendments thereto.

It is recommended that the operator be reimbursed by 90 percent of the reported expenditures, subject to receipt of an acceptable final report and audit of the accounts. No materials or supplies in which the Government has equity remain on the property.

The M-104 forms were received from the operator November 24, 1953. A delay of 10 days in transmitting the forms to Denver resulted from the necessity of discussing details of the drilling with the operator. A five-day delay was caused by the work load of the inspecting engineer.

Stephen R. Wilson

Enclosures
The subject property was visited November 4, 1953, at which time the surface areas on Benana No. 6 claim were observed and the maps and logs of holes pertaining to the diamond drilling accomplished during August 1953, were discussed. The underground work progressing toward the ore discovered by previous drilling was inspected.

The holes drilled during the reporting period, Holes No. 640 through 643, totaled 2,696.5 feet and were drilled on Benana No. 2 and Benana No. 6 claims. Upon the resumption of drilling after the recess in the work, 2,452.0 feet of diamond drilling holes remained to be drilled under the contract, but 25.5 feet of the original contract amount remained undrilled when the work was stopped. This remaining footage will not be drilled; thus the subject MF-104 forms are the last set to be presented.

The drilling during the reporting period was done in areas dictated by the results of the first phase of the project and in areas suggested by the project geologist of the Geological Survey drilling project in the general area. The pattern was designed to follow the trend of the favorable elongate sandstone lenses established in the first phase of the work. Although no ore holes were recorded among these drilled during the reporting period, Holes No. 640, 642 and 644 showed uranium mineralization. Hole 640 showed 0.6 feet of uranium mineralization; Hole 642 showed 1.0 feet of mineralization; and Hole 644 showed 1.0 feet of mineralization. These are recorded on the certified drill logs attached to the MF-104 forms. The operators have prepared plan maps and sections showing the trend of the favorable sandstone and the alteration of the clay underlying and overlying the ore horizon, which will be presented with their final report now in preparation.

It was determined by conversation with the operators and verified by the dates on the certified drill logs that no drilling on Benana No. 6 claim was done before August 19, 1953, the date of the amended location, pursuant to Public Law 250, 83rd Congress, 8, 1957, concerning the amending of lease-claim locations on prior Federal oil and gas leases.

The work done during the reporting period was in accordance with the subject contract and amendment thereto. The cores were properly stored in standard core boxes and logged by the operator and the
Geological Survey representative. Disposition of the core was the responsibility of that agency. Good core recovery was obtained by the independent drilling contractor. The narrative report for the reporting period adequately covers the results of the drilling and the MF-104 forms correctly reflect the expenditures under the contract.

It is recommended that the operator be reimbursed in the amount of $7,186.10, which is 70 percent of $7,364.56, the total expenditures under the subject contract for the reporting period, subject to the receipt of the operator's final report and an audit of the project accounts.

The processing of the MF-104 forms was delayed due to the necessity of determining the date of drilling of the holes on Bencomo No. 6 claim.

W. E. Thurber, Jr.

W. E. Thurber, Jr.
### Operator's Unit Cost and Progress Report

**Month of August:** 1953  
**Docket No:** DMEA 2446

**Operator's Name:** Boomerang Mining Company  
**Address:** Box 112, Gateway, Colorado

<table>
<thead>
<tr>
<th>Operation</th>
<th>Unit Cost</th>
<th>Units This Month</th>
<th>Costs This Month</th>
<th>Costs to Date</th>
<th>Units to Date</th>
<th>Unit Costs to Date</th>
<th>Authorized by Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drifting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crosscutting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raising</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winzes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling: Core</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Churn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auger</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stripping</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trenching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Pits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roads and Trails</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Distributed Costs</strong></td>
<td><strong>1,984.56</strong></td>
<td><strong>2,382.08</strong></td>
<td><strong>4,366.64</strong></td>
<td><strong>5,593.14</strong></td>
<td><strong>7,191.22</strong></td>
<td><strong>9,574.44</strong></td>
<td><strong>11,956.66</strong></td>
</tr>
</tbody>
</table>

**Operating Equipment Purchased:**
- Initial Rehabilitation and Repairs
- New Buildings, Improvements, etc.

**Total Costs:** **2,111.70**

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

**Date:** Nov 18, 1953  
**Operator:** Boomerang Mining Co.  
**Per Charles V. Woodard**  
**Title Partner**

**Remarks:**
- [Instructions on reverse]

**NOTE:** Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.
INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: “Operating Equipment Purchased”, “Initial Rehabilitation and Repairs”, and “New Buildings, Improvements, etc.” The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The “Total Costs” on Form MF-104A for each month should equal the monthly “Total Costs” as reported on Form MF-104. This is also true of the “Total Costs To Date”.

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. “Operating Equipment”, “Initial Rehabilitation and Repairs”, and “New Buildings Improvements, etc.”, will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed “Authorized by Contract” will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit “A” of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.
Operator's Name Boomerang Mining Co. Box 112 Gateway, Colorado.
Address Government Participation: %
Contract Amount, $241716.60. Amount, $21705.34

<table>
<thead>
<tr>
<th>ITEMS OF COSTS</th>
<th>FOR OPERATOR'S USE</th>
<th>FOR GOVERNMENT USE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Monthly Total</td>
<td>Totals Previously Reported</td>
</tr>
<tr>
<td></td>
<td>Approved Monthly Total</td>
<td>Approved Totals Previously Reported</td>
</tr>
<tr>
<td>(1) Independent Contracts: Short Form</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling</td>
<td>7984.56</td>
<td>15355.52</td>
</tr>
<tr>
<td>Bulldozing</td>
<td></td>
<td>1280.00</td>
</tr>
<tr>
<td>Crosscutting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drifting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) Labor and Supervision:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervision</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) Operating Mat'ls. and Supplies:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timber</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pipe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4) Operating Equipment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rental</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purchase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depreciation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(5) Initial Rehabilitation and Repairs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(6) New Bldgs., Improvements, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(7) Miscellaneous:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repairs to Equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sampling and Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payroll Taxes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liability Insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(8) Contingencies (specify):</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Totals

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 7/16/53. *Payee Boomerang Mining Co.
Per Charles V. Woodard Title Partner.

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

Signature 7/5.
(See other side)
CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. in accordance with the terms of the contract.

Signature: W.H. Wheeler
Title: Executive Officer
Date: Dec. 8, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature: [Signature]
Title: Executive Officer
Date: DEC 1 5 1953

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) Form MF-104—Operator's Monthly Report and Voucher.—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) Form MF-104A—Operator's Unit Cost and Progress Report.—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words “Short Form” if the contract is a sub-contract under Form MF-200; and delete word “Independent” if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under “Rental”. The amount paid or duly obligated for payment for the purchase of equipment will be reported under “Purchase”. The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under “Depreciation”.

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under Items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under Items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen’s compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen’s compensation which is paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, “Certified True Copy (or Transcript)”, followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an “on-site” audit, that is, a Government auditor should make an audit of the Operator’s books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the original of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word “Independent” and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crossetting, drifting, etc., and giving the “Monthly Total” amount due. “Totals Previously Reported”, and “Totals to Date” columns should also be filled in.
September 4, 1983

Mr. S. R. Wilson
United States Department of Interior
Bureau of Mines
1600 East First South Street
Salt Lake City, Utah

RE: DREA Docket - 2446
Contract IDM 8-445

Dear Mr. Wilson:

Following is the Boomerang Mining Company Diamond Drilling
Account for the month of August:

<table>
<thead>
<tr>
<th>Hole No.</th>
<th>Drill No.</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>640</td>
<td>1</td>
<td>252.5</td>
</tr>
<tr>
<td>641</td>
<td>1</td>
<td>245.0</td>
</tr>
<tr>
<td>643</td>
<td>1</td>
<td>129.0</td>
</tr>
<tr>
<td>644</td>
<td>1</td>
<td>160.0</td>
</tr>
<tr>
<td>645</td>
<td>1</td>
<td>174.0</td>
</tr>
<tr>
<td>646</td>
<td>1</td>
<td>170.0</td>
</tr>
<tr>
<td>650</td>
<td>1</td>
<td>160.0</td>
</tr>
<tr>
<td>652</td>
<td>1</td>
<td>258.0</td>
</tr>
<tr>
<td>642</td>
<td>2</td>
<td>230.0</td>
</tr>
<tr>
<td>646</td>
<td>2</td>
<td>178.0</td>
</tr>
<tr>
<td>647</td>
<td>2</td>
<td>185.0</td>
</tr>
<tr>
<td>649</td>
<td>2</td>
<td>155.0</td>
</tr>
<tr>
<td>691</td>
<td>2</td>
<td>155.0</td>
</tr>
<tr>
<td>653</td>
<td>2</td>
<td>175.0</td>
</tr>
</tbody>
</table>

Total Footage 2,626.5

We hereby certify that the above number of holes and footage
were drilled during the month of August for the Boomerang
Mining Company. We further certify that we submitted to them a
drillers log for the above listed diamond drill holes.

Vary truly yours,

JOHNSON & YOUNG

JY: [Signature]

[Partner]
Drilling on the second phase of Project I was done on a pattern as suggested by U.S.S. personnel.

Hole No. 643 was drilled to test the structure south west of the initial drilling done in April. Hole No. 643 showed a sand that is considered unfavorable being of reddish color, seventeen feet thick with no alteration of the underlying shale.

Moving eastward. Hole No. 644 was next drilled. Although the sand was thinner than had been considered as favorable being only thirteen feet thick it was of a medium texture, good yellow brown color and there was considerable alteration of the overlying and underlying shales. Near the bottom of the sand there was a foot of mineralization.

Hole No. 645 was next drilled to see if there was any relation between the mineralization in holes 644 and 612. Here again the sand was thin being twelve feet thick, but of good color and texture and the alteration of shale was good. There was very slight mineralization near the top of the sand.

Hole No. 646 was very similar to hole No. 645. There was slight mineralization near the bottom of the sand.

Hole No. 647 was drilled to determine if there was any relation between hole 644 and hole No. 3V-7 drilled by the U.S.S. which was considered favorable. Hole No. 647 was very unfavorable, the sand being of reddish color and no alteration of underlying shale.

Holes 643, 649, 650, 651 and 653 finished out the pattern. All five were favorable but none had mineralization.

Hole No. 640 was drilled on the proposed ore channel. The sand was thirty feet thick and of good color and texture. There was some alteration of shale. Near the middle of the sand 0.6 foot was mineralized.

Hole No. 641 was drilled South of hole 640. The sand was very favorable but the alteration of shale was slight.

Hole No. 642 was then drilled Northwest of hole 640 to test the Northern edge of the channel. The sand was very favorable. Near the bottom of the sand 0.5 foot was mineralized.

Since the proposed channel was shown to be continuing Eastward hole No. 652 was drilled to test the North Eastward portion of the channel. The sand was very favorable and the alteration of shale was good; although no mineralization was encountered.
In this area the holes were becoming excessively deep for close spaced drilling which is necessary to outline the ore in this type of ore occurrence.

No conclusive evidence is available that the ore channel continues beyond holes 640. The ’.3.0.3. drilled some widely spaced holes behind our drilling without finding favorable structure; however an ore channel of the magnitude that we were exploring could continue Eastward between the ’.3.0.3. holes.
**BOOMERANG MINING COMPANY**

**DRILL HOLE LOG**

<table>
<thead>
<tr>
<th>Location</th>
<th>Elev. Collar</th>
<th>Depth</th>
<th>Coordinates</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>76S3 3</td>
<td>2525</td>
<td>N, E</td>
<td>640</td>
</tr>
</tbody>
</table>

Logged by: [Signature]

Date: Aug. 23, 1953

**DESCRIPTION AND REMARKS**

<table>
<thead>
<tr>
<th>Footage</th>
<th>To</th>
<th>Footage</th>
<th>To</th>
<th>Core</th>
<th>Rec.</th>
<th>U, O₂</th>
<th>U₂O₃</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Est.</th>
<th>Chem. Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>144</td>
<td>44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>overburden, mud, red shale, etc.</td>
</tr>
<tr>
<td>144</td>
<td>193</td>
<td>193</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>white to light brown sandstone</td>
</tr>
<tr>
<td>193</td>
<td>2092</td>
<td>49</td>
<td>44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>red shale</td>
</tr>
<tr>
<td>2092</td>
<td>2128</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>blue shale</td>
</tr>
<tr>
<td>2128</td>
<td>2282</td>
<td>13</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>white to light yellow brown sandstone</td>
</tr>
<tr>
<td>2282</td>
<td>2337</td>
<td>6</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>black ore</td>
</tr>
<tr>
<td>2337</td>
<td>2421</td>
<td>12</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>white to light yellow brown sandstone</td>
</tr>
<tr>
<td>2421</td>
<td>2494</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>blue shale</td>
</tr>
<tr>
<td>2494</td>
<td>2525</td>
<td>8</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>red shale</td>
</tr>
<tr>
<td>2525</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>bottom</td>
</tr>
</tbody>
</table>

DMEA Docket 2446
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>%</th>
<th>Est.</th>
<th>Chem. Assay</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>140</td>
<td></td>
<td></td>
<td></td>
<td>overburden, red shale etc.</td>
</tr>
<tr>
<td>140</td>
<td>193</td>
<td>52</td>
<td>50</td>
<td></td>
<td>reddish to light brown sandstone</td>
</tr>
<tr>
<td>193</td>
<td>218</td>
<td>72</td>
<td>15</td>
<td></td>
<td>red &amp; blue mottled shale</td>
</tr>
<tr>
<td>218</td>
<td>219</td>
<td>7</td>
<td>7</td>
<td></td>
<td>blue shale</td>
</tr>
<tr>
<td>219</td>
<td>240</td>
<td>4</td>
<td>3</td>
<td></td>
<td>blue shaly sandstone</td>
</tr>
<tr>
<td>240</td>
<td>245</td>
<td>45</td>
<td>4</td>
<td></td>
<td>white to light yellow brown sandstone</td>
</tr>
<tr>
<td>245</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>red &amp; blue mottled shale</td>
</tr>
<tr>
<td></td>
<td>245</td>
<td>95</td>
<td>94</td>
<td></td>
<td>bottom.</td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td>Core</td>
<td>% Est.</td>
<td>Chem. Assay</td>
</tr>
<tr>
<td>------</td>
<td>----</td>
<td>------</td>
<td>------</td>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>0</td>
<td>130</td>
<td>130</td>
<td>Nat.</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>180</td>
<td>180</td>
<td>45</td>
<td>180</td>
<td>Red</td>
</tr>
<tr>
<td>180</td>
<td>194</td>
<td>14</td>
<td>42</td>
<td>194</td>
<td>red shale</td>
</tr>
<tr>
<td>194</td>
<td>195</td>
<td>1</td>
<td>1</td>
<td>195</td>
<td>blue shale</td>
</tr>
<tr>
<td>195</td>
<td>203</td>
<td>8</td>
<td>7</td>
<td>203</td>
<td>blue gray sandstone</td>
</tr>
<tr>
<td>203</td>
<td>219</td>
<td>16</td>
<td>14</td>
<td>219</td>
<td>white sandstone</td>
</tr>
<tr>
<td>219</td>
<td>220</td>
<td>1</td>
<td>1</td>
<td>220</td>
<td>black</td>
</tr>
<tr>
<td>220</td>
<td>222</td>
<td>2</td>
<td>2</td>
<td>222</td>
<td>white sandstone</td>
</tr>
<tr>
<td>222</td>
<td>238</td>
<td>6</td>
<td>5</td>
<td>238</td>
<td>blue shale</td>
</tr>
<tr>
<td>238</td>
<td>280</td>
<td>2</td>
<td>2</td>
<td>280</td>
<td>red shale</td>
</tr>
</tbody>
</table>

Logged by C. A. B.
# DRILL HOLE LOG

## BOOMERANG MINING COMPANY

**Location:**

**Hole No.:** 643

**Elev. Collar:** 7560'

**Depth:** 129

**Coordinates:** N, E

---

<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>%</td>
<td>U₂O₃</td>
</tr>
<tr>
<td>0</td>
<td>30</td>
<td>11</td>
<td>30</td>
</tr>
<tr>
<td>30</td>
<td>84</td>
<td>14</td>
<td>30</td>
</tr>
<tr>
<td>84</td>
<td>120</td>
<td>11</td>
<td>30</td>
</tr>
<tr>
<td>100</td>
<td>117</td>
<td>17</td>
<td>30</td>
</tr>
<tr>
<td>117</td>
<td>129</td>
<td>10</td>
<td>30</td>
</tr>
</tbody>
</table>

**Date:** Aug. 13, 1953

Logged by: C. W. J. S.
## DRILL HOLE LOG

**BOOMERANG MINING COMPANY**

<table>
<thead>
<tr>
<th>Location</th>
<th>Hole No.</th>
<th>Elev. Collar</th>
<th>Depth</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>644</td>
<td>75803</td>
<td>140</td>
<td></td>
</tr>
</tbody>
</table>

**DRILL HOLE LOG DMEA Docket 2446**

**BOOMERANG MINING COMPANY**

**Footage** | **%** | **Est. Chem. Assay** | **DESCRIPTION AND REMARKS** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 54</td>
<td>54</td>
<td>0</td>
<td>overburden etc.</td>
</tr>
<tr>
<td>54 - 94</td>
<td>94</td>
<td>45</td>
<td>Reddish to light brown sandstone</td>
</tr>
<tr>
<td>94 - 137</td>
<td>137</td>
<td>36</td>
<td>Red shale</td>
</tr>
<tr>
<td>137 - 139</td>
<td>139</td>
<td>2</td>
<td>Blue shale</td>
</tr>
<tr>
<td>139 - 148</td>
<td>148</td>
<td>7</td>
<td>Light grey sandstone</td>
</tr>
<tr>
<td>148 - 149</td>
<td>149</td>
<td>1</td>
<td>Mineralization</td>
</tr>
<tr>
<td>149 - 152</td>
<td>152</td>
<td>3</td>
<td>Light grey sandstone</td>
</tr>
<tr>
<td>152 - 157</td>
<td>157</td>
<td>5</td>
<td>Blue shale</td>
</tr>
<tr>
<td>157 - 160</td>
<td>160</td>
<td>3</td>
<td>Red shale</td>
</tr>
<tr>
<td>160 - 106</td>
<td>106</td>
<td>91</td>
<td>bottom</td>
</tr>
<tr>
<td>106 - 91</td>
<td>91</td>
<td>84</td>
<td></td>
</tr>
</tbody>
</table>

**Date** Aug 19 1953

Logged by C. W.
# Drill Hole Log

**Location:**

**Hole No.:** 645

**Elev. Collar:** 75795

**Depth:** 174

**Coordinates:** N, E

<table>
<thead>
<tr>
<th>Footage</th>
<th>To</th>
<th>Feet</th>
<th>Core</th>
<th>Rec.</th>
<th>%</th>
<th>Est. U₂O₃</th>
<th>U₃O₈</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>64</td>
<td>Not saved</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>112</td>
<td>68</td>
<td>45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>overburden, red shale etc</td>
</tr>
<tr>
<td>112</td>
<td>144</td>
<td>32</td>
<td>22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>white to light brown sandstone</td>
</tr>
<tr>
<td>144</td>
<td>149</td>
<td>5</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>red shale</td>
</tr>
<tr>
<td>149</td>
<td>150</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.05</td>
<td>blue shale</td>
</tr>
<tr>
<td>150</td>
<td>161</td>
<td>11</td>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>slight mineralization?</td>
</tr>
<tr>
<td>161</td>
<td>165</td>
<td>4</td>
<td>25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>yellow brown sandstone</td>
</tr>
<tr>
<td>165</td>
<td>174</td>
<td>9</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>blue shale</td>
</tr>
<tr>
<td></td>
<td>170</td>
<td>10</td>
<td>85</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>red &amp; blue mottled shale</td>
</tr>
</tbody>
</table>

**Logged by:** (Handwritten)

**Date:** Aug. 17, 1953
<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>Rec.</td>
<td>U₂O₃</td>
</tr>
<tr>
<td>0</td>
<td>75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>142</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>142</td>
<td>154</td>
<td>15</td>
<td>14</td>
</tr>
<tr>
<td>154</td>
<td>158</td>
<td>15</td>
<td>2</td>
</tr>
<tr>
<td>158</td>
<td>164</td>
<td>16</td>
<td>8</td>
</tr>
<tr>
<td>164</td>
<td>166.5</td>
<td>16.5</td>
<td>63</td>
</tr>
<tr>
<td>166.5</td>
<td>170</td>
<td>17</td>
<td>36</td>
</tr>
<tr>
<td>170</td>
<td>172</td>
<td>17</td>
<td>3</td>
</tr>
<tr>
<td>172</td>
<td>172</td>
<td>17</td>
<td>3</td>
</tr>
<tr>
<td>172</td>
<td>178</td>
<td>17</td>
<td>4</td>
</tr>
<tr>
<td>178</td>
<td>183</td>
<td>18</td>
<td>56</td>
</tr>
<tr>
<td>Footage</td>
<td>% Est.</td>
<td>Chem. Assay</td>
<td>DESCRIPTION AND REMARKS</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td>-------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td>Feet</td>
<td>Rec.</td>
</tr>
<tr>
<td>0</td>
<td>90</td>
<td>90</td>
<td>Not saved</td>
</tr>
<tr>
<td>90</td>
<td>108</td>
<td>18</td>
<td>17</td>
</tr>
<tr>
<td>108</td>
<td>147</td>
<td>29</td>
<td>31</td>
</tr>
<tr>
<td>147</td>
<td>155</td>
<td>155</td>
<td>8</td>
</tr>
<tr>
<td>155</td>
<td>163</td>
<td>163</td>
<td>8</td>
</tr>
<tr>
<td>163</td>
<td>175</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>175</td>
<td>175</td>
<td>175</td>
<td>10</td>
</tr>
<tr>
<td>175</td>
<td>175</td>
<td>175</td>
<td>10</td>
</tr>
<tr>
<td>175</td>
<td>175</td>
<td>175</td>
<td>10</td>
</tr>
<tr>
<td>175</td>
<td>175</td>
<td>175</td>
<td>10</td>
</tr>
</tbody>
</table>

From 95 feet down bottom.
## DRILL HOLE LOG

### BOOMERANG MINING COMPANY

<table>
<thead>
<tr>
<th>Location</th>
<th>Hole No.</th>
<th>Elev. Collar</th>
<th>Depth</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>648</td>
<td>7607'</td>
<td>170</td>
<td>N, E</td>
</tr>
</tbody>
</table>

Logged by C.W.

DMEA Docket 2446

Date: Aug. 24, 1953

### DESCRIPTION AND REMARKS

<table>
<thead>
<tr>
<th>Footage From</th>
<th>To Feet</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>80</td>
<td>64.5</td>
<td>U, O₂, U₂O₅, V₂O₅</td>
<td>CaCO₃</td>
</tr>
<tr>
<td>80</td>
<td>105</td>
<td>25.75</td>
<td></td>
<td>Reddish sandstone</td>
</tr>
<tr>
<td>105</td>
<td>121</td>
<td>14.10</td>
<td></td>
<td>Red shale</td>
</tr>
<tr>
<td>121</td>
<td>132</td>
<td>11.9</td>
<td></td>
<td>Light brown sandstone</td>
</tr>
<tr>
<td>132</td>
<td>142</td>
<td>15.10</td>
<td></td>
<td>Red shale</td>
</tr>
<tr>
<td>142</td>
<td>144</td>
<td>1</td>
<td></td>
<td>Blue shale</td>
</tr>
<tr>
<td>144</td>
<td>145</td>
<td>0.5</td>
<td></td>
<td>Light brown sandstone</td>
</tr>
<tr>
<td>145</td>
<td>146</td>
<td>1</td>
<td></td>
<td>Blue shale</td>
</tr>
<tr>
<td>146</td>
<td>147</td>
<td>3.2</td>
<td></td>
<td>Light brown sandstone</td>
</tr>
<tr>
<td>147</td>
<td>148</td>
<td>1.5</td>
<td></td>
<td>Blue shale</td>
</tr>
<tr>
<td>148</td>
<td>149</td>
<td>0.5</td>
<td></td>
<td>Red shale</td>
</tr>
<tr>
<td>149</td>
<td>150</td>
<td>2</td>
<td></td>
<td>Bottom</td>
</tr>
</tbody>
</table>

| 150          | 170     | 7      |             |                         |

| 170          |         |        |             |                         |
# DRILL HOLE LOG

**BOOMERANG MINING COMPANY**

**Location**

**Hole No.** 649

**Elev. Collar** 7565.8

**Depth** 155

**Coordinates** N, E

---

**Logged by** C.V.M.

**Date** Aug. 25, 1953

---

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Feet</th>
<th>Core</th>
<th>Rec.</th>
<th>U$_3$O$_8$</th>
<th>U$_5$O$_9$</th>
<th>V$_2$O$_5$</th>
<th>CaCO$_3$</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td>Not saved</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>115</td>
<td>65</td>
<td>55</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Overburden etc.</td>
</tr>
<tr>
<td>115</td>
<td>123</td>
<td>12</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Reddish to light brown sandstone</td>
</tr>
<tr>
<td>123</td>
<td>129</td>
<td>2</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red shale</td>
</tr>
<tr>
<td>129</td>
<td>182</td>
<td>23</td>
<td>21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blue shale</td>
</tr>
<tr>
<td>182</td>
<td>185</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Light yellow brown sandstone</td>
</tr>
<tr>
<td>185</td>
<td>185</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red shale</td>
</tr>
<tr>
<td>185</td>
<td>185</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bottoms</td>
</tr>
</tbody>
</table>

---


<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>U₃O₈</td>
</tr>
<tr>
<td>0</td>
<td>54</td>
<td>N/A</td>
</tr>
<tr>
<td>54</td>
<td>115</td>
<td>61</td>
</tr>
<tr>
<td>115</td>
<td>131</td>
<td>16</td>
</tr>
<tr>
<td>131</td>
<td>143</td>
<td>18</td>
</tr>
<tr>
<td>143</td>
<td>158</td>
<td>9</td>
</tr>
<tr>
<td>158</td>
<td>160</td>
<td>2</td>
</tr>
</tbody>
</table>

DESCRIPTION AND REMARKS

- 0-54 Not Saved
- 54-115 White sandstone, red shale streaks
- 115-131 Red shale
- 131-143 Light brown sandstone
- 143-158 White sandstone with purple (Mn?) streaks
- 158-160 Red & blue mottled shale
<table>
<thead>
<tr>
<th>Footage</th>
<th>% Est.</th>
<th>Chem. Assay</th>
<th>DESCRIPTION AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td>Rec.</td>
<td>U₃O₈</td>
</tr>
<tr>
<td>0</td>
<td>60</td>
<td>%</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>115</td>
<td>55</td>
<td>51</td>
</tr>
<tr>
<td>115</td>
<td>133</td>
<td>18</td>
<td>7</td>
</tr>
<tr>
<td>133</td>
<td>135</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>135</td>
<td>136</td>
<td></td>
<td></td>
</tr>
<tr>
<td>136</td>
<td>145</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>145</td>
<td>155</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>155</td>
<td>95</td>
<td>73</td>
<td>77</td>
</tr>
</tbody>
</table>

Logged by C.W. Date Aug 27, 1953.
**BOOMERANG MINING COMPANY**

Location: 

Hole No.: 652

Elev. Collar: 7660.4

Depth: 258

Coordinates: N, E

---

**Drill Hole Log**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>% Est.</th>
<th>Chem. Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>154</td>
<td></td>
<td></td>
</tr>
<tr>
<td>154</td>
<td>284</td>
<td>89.43</td>
<td></td>
</tr>
<tr>
<td>284</td>
<td>289</td>
<td>25.20</td>
<td>Red shale</td>
</tr>
<tr>
<td>289</td>
<td>332</td>
<td>3.3</td>
<td>Blue shale</td>
</tr>
<tr>
<td>332</td>
<td>334</td>
<td>4.4</td>
<td>Blue shaly sandstone</td>
</tr>
<tr>
<td>334</td>
<td>425</td>
<td>19.19</td>
<td>White to light brown sandstone</td>
</tr>
<tr>
<td>425</td>
<td>457</td>
<td>9.2</td>
<td>Blue shale</td>
</tr>
<tr>
<td>457</td>
<td>258</td>
<td>1.1</td>
<td>Red shale</td>
</tr>
<tr>
<td>258</td>
<td>104</td>
<td>42.89</td>
<td></td>
</tr>
</tbody>
</table>

**Description and Remarks:**

- ore, burden etc.
- Reddish sandstone
- Red shale
- Blue shale
- Blue shaly sandstone
- White to light brown sandstone
- Blue shale
- Red shale
- Bottom

Logged by: C.U.W.

Date: Aug. 29 1953
<table>
<thead>
<tr>
<th>Footage</th>
<th>From</th>
<th>To</th>
<th>Core</th>
<th>Rec.</th>
<th>U₃O₅</th>
<th>U₂O₅</th>
<th>V₂O₅</th>
<th>CaCO₃</th>
<th>Est.</th>
<th>Chem. Assay</th>
<th>Description and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 70</td>
<td>0</td>
<td>70</td>
<td>None</td>
<td>Not sampled</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>overburden, etc.</td>
<td></td>
</tr>
<tr>
<td>70 - 108</td>
<td>70</td>
<td>108</td>
<td>None</td>
<td>White to reddish sandstone</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>88</td>
<td>Red shale</td>
<td></td>
</tr>
<tr>
<td>108 - 128</td>
<td>108</td>
<td>128</td>
<td>None</td>
<td>Red shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Reddish to white sandstone</td>
<td></td>
</tr>
<tr>
<td>128 - 140</td>
<td>128</td>
<td>140</td>
<td>None</td>
<td>Red shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14</td>
<td>Red shale</td>
<td></td>
</tr>
<tr>
<td>140 - 154</td>
<td>140</td>
<td>154</td>
<td>None</td>
<td>Red shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12</td>
<td>Red shale</td>
<td></td>
</tr>
<tr>
<td>154 - 156</td>
<td>154</td>
<td>156</td>
<td>None</td>
<td>Blue shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Light yellow brown sandstone</td>
<td></td>
</tr>
<tr>
<td>154 - 156</td>
<td>154</td>
<td>156</td>
<td>None</td>
<td>Blue shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Blue shale</td>
<td></td>
</tr>
<tr>
<td>156 - 168</td>
<td>156</td>
<td>168</td>
<td>None</td>
<td>Blue shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>Blue shale</td>
<td></td>
</tr>
<tr>
<td>168 - 174</td>
<td>168</td>
<td>174</td>
<td>None</td>
<td>Blue shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Red shale</td>
<td></td>
</tr>
<tr>
<td>174 - 174</td>
<td>174</td>
<td>174</td>
<td>None</td>
<td>Red shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>Red shale bottom</td>
<td></td>
</tr>
<tr>
<td>174 - 174</td>
<td>174</td>
<td>174</td>
<td>None</td>
<td>Red shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>Red shale bottom</td>
<td></td>
</tr>
<tr>
<td>105 - 174</td>
<td>105</td>
<td>174</td>
<td>None</td>
<td>Red shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>77</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
LEGEND

- CLAIM CORNERS ACTUALLY IDENTIFIED
- --- CLAIM LINES ACTUALLY IDENTIFIED

NOTE

DRAWING TRACED FROM MAP BY R.E. EDMONSON,
REGISTERED SURVEYOR, OCT. 15, 1951.

SCALE OF FEET

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 2
DMEA Docket No. 2446

Claim Map
CORVUSITE MINE
BOOMERANG MINING COMPANY
GRAND COUNTY, UTAH

ENGINEER: R.E. EDMONSON
TRACED AUG. 1952, BY A.R.T.S
CHECKED

1900-184-D
<table>
<thead>
<tr>
<th>Location</th>
<th>Production (March 15 to June 30, 1954)</th>
<th>Approx Grade</th>
<th>4.08</th>
<th>2.05</th>
</tr>
</thead>
<tbody>
<tr>
<td>833 Area</td>
<td>90 tons</td>
<td>0.19 - 0.84</td>
<td></td>
<td></td>
</tr>
<tr>
<td>836 Area</td>
<td>63 &quot;</td>
<td>0.20 - 1.60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>605 drift</td>
<td>200 &quot;</td>
<td>0.30 - 1.80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>626 drift</td>
<td>5 &quot;</td>
<td>0.29 - 1.50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MINE: Corvusite  
LOCATION: Beaver Mesa - Utah  
LEVEL:  
SEOGOLOGY BY:  
SURVEY:  
SCALE: 1" = 50'  
DATE: 7/15/54
Attached to
10-11-54
Pemi June 23
6-30-54
LEGEND

AREA "A" AND "B" AT SAME ELEV. ON LOWER RIM.
HOLES APPROXIMATELY 100' DEEP
AREA "C" ON UPPER RIM. HOLES APPROXIMATELY
35'-45' DEEP.

HOLE DRILLED. (ALL BLANK)

NOTE

DATA TRACED FROM COMPANY MAP
EXPLANATION

///
Proposed stage 2 bulldozer exploration

Outcrops
Green clay ilmenite speckled sandstone, carbonized plant remains, hydrocarbons, low grade Uranium and Vanadium mineralization.

//
Adit portal

BOOMERANG MINING COMPANY
GRAND COUNTY, UTAH

Adapted from C.V. Woodard
NOTE

TRACED FROM GEOLOGICAL SURVEY PROJECT MAP
BY J. EICHER, GEOLOGIST. THE ZONING OF FAVORABLE
AND UNFAVORABLE AREAS IS BY THE GEOLOGICAL
SURVEY FROM RESULTS OF DMEA AND GEOLOGICAL
SURVEY DRILLING.

LEGEND

MINE WORKINGS, UNDERGROUND
= BUILDINGS
GROUND UNDERLAIN BY URANIUM-BEARING ROCK
BOUNDARY OF FAVORABLE, SEMI-FAVORABLE, AND
UNFAVORABLE GROUND
DIAMOND DRILL HOLE, U.S. BUREAU OF MINES, 1943
DIAMOND DRILL HOLE, U.S. GEOLOGICAL SURVEY, 1953
DIAMOND DRILL HOLE, D.M.E.A., 1955
BARREN HOLE
WEAKLY MINERALIZED HOLE, LESS THAN 0.01% U3O8
AND LESS THAN 0.1% OR MORE THAN 1 FOOT THICK (INCREASES OF SPACE)
ORE BEARING HOLE, 0.01% OR MORE U3O8 OR 0.1%
MORE, 0.1% AND 1 FOOT OR MORE THICK

SCALE OF FEET

0 200 400 600 800

INDEX MAP OF UTAH

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINEs

Fig. 1 DMEA Deed No. 2444, Contract: Mem E 445
Map of Results of Exploratory Work
CORVUSITE MINE
BOOMERANG MINING CO.
GRAND COUNTY, UTAH
ENGINEER H.K. TRAUTH
FEB. 24, 1954
TRACED BY H.K. TRAUTH

1900-282-C
Figure 1: Map of Corralsite Mine and Vicinity, West Central Breaks Mesa, Grand County, Utah
Figure 1: Map of Coralville Mine and Vicinity, West Central Beaver Mesa, Grand County, Utah
E-445

For refund of royalty overpayment of $35.65, dated February 7, 1963, see transmittal letter file.
Memorandum

To: Chief, Fiscal Section  
Division of Administrative Services  
Office of the Secretary

From: E. D. Talbert, Chief  
(Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: BMK-2446 (Uranium)  
Boomerang Mining Company  
Corvusite Mine  
Grand County, Utah  
Contract No-2446

A Report of Royalty Review covering the subject contract was issued on November 1, 1962, with the finding that $35.65 had been overpaid. On page 3 of the Report it was stated that any claim for refund of that sum should be accompanied by evidence of release from other parties involved.

By letters dated October 19 and November 6, 1962, the Union Carbide Nuclear Company, P. O. Box 1049, Grand Junction, Colorado, requested refund of the $35.65 overpayment. On November 30, 1962, we wrote Croff Oil Company advising it of the claim for refund and requesting its release. To date no reply has been received.

Two months have elapsed since notice was given Croff Oil Company of the claim and Union Carbide Nuclear Company has recently inquired as to when payment may be expected. We now believe it not only safe, but also in the Government’s interest in the maintenance of good relations with an ore buyer, to refund to Union Carbide Nuclear Company the $35.65 overpayment.

Enclosed are the originals and two thermofax copies each of the October 19 and November 16 letters claiming the refund. After approval for payment please return the thermofax copies to OME with notation thereon as to voucher number and date.

Enclosures

EDTalbert/ama  
cc: Docket  
2-1-63  
Director’s Reading File  
CA & A Division  
Region III (2)
January 29, 1963

Mr. D. E. Clark
Office Manager
Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

Re: INEA-2446 (Uranium)
Contract No. IDA-E445
Boomerang Mining Company
(Cervine Site Mine)
Grand County, Utah

Dear Mr. Clark:

Thank you for your letter of January 28, 1963 regarding the overpayment of royalty amounting to $35.65.

I am again calling the attention of the Washington Office OME to this overpayment you made to us. However, if you do not receive this $35.65 within 30 days will you please advise us.

Sincerely yours,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

HMC/lm
cc Chief, Division of Field Operations, OME
Royalty Corres E445
Chron
Croff Oil Company  
P. O. Box 2045  
Salt Lake City, Utah  

Re: BREA-2446 (Uranium)  
Boomerang Mining Company  
Cervantes Mine  
Grand County, Utah  
Contract Min-8445

Gentlemen:

By letter dated January 16, 1962, in reply to a January 15 letter addressed to E. E. Lewis, Inc., you remitted a check for $277.14, the then indicated balance of royalty due to the Government on Union Carbide Nuclear Company's ore settlement no. 11500. Other payments on this settlement were remitted by Union Carbide Nuclear Company.

The Union Carbide Nuclear Company has recently submitted a second correction of settlement no. 11500 and requested refund of an indicated overpayment of royalty amounting to $35.69. Before making this refund, we must be certain that there is no other element.

Your cooperation in this matter through the submission of a letter of release signed by you and E. E. Lewis, Inc., jointly, or individual letters in lieu thereof, will be sincerely appreciated.

Sincerely yours,

George Fumich, Jr.

Director

EDTalbert/ama 11-30-62

cc:  
Docket  
Director's Reading File  
GA & A Division  
Region III (2)
For royalty payment of $22.42, dated November 27, 1962, see transmittal letter file.
Building 20 - Federal Center
Denver 25, Colorado

November 26, 1962

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, ONR
Washington 25, D. C.

From: Acting Field Officer, ONR, Region III

Subject: BMRA-2446 (Uranium)
Contract X 15-6045
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

This responds to your memorandum of November 19, 1962 on the subject contract.

Enclosed are the original and two copies of Mr. D. E. Clark's letters of October 19, and November 6, 1962.

I have read, many times, the penultimate paragraph on page 3 of the Report of Royalty Review dated November 1, 1962. I am at a loss to know how to proceed further.

The second correction on liquidation No. 11508 states that the mill made a total overpayment of $712.92 on this liquidation. The BMRA part of this overpayment was 5 percent of $712.92 or $35.65. The balance of the overpayment was made to E. E. Lefis, Inc. and others who held an interest. It is not our concern how the mill retrieved the overpayment from others but I cannot see what claim anyone has, other than Union Carbide Nuclear, on the $35.65 they overpaid us.

I am anxious to get this royalty account settled so that we can close out this contract upon receipt from Climax of a check for the last lot of ore from this mine which will be subject to BMRA royalty. I will surely need detailed instructions on further procedure if we cannot now refund the $35.65, the overpayment due Union Carbide Nuclear Company.

Original signed by

Hugh N. Connors

Attachments
For royalty payment of $185.90, dated November 21, 1962, see transmittal letter file.
Memorandum

To: Acting Field Officer, Region III
From: Chief, Division of Field Operations

Subject: MNA-2446 (Uranium)
Boomerang Mining Company
Carrusite Mine
Grand County, Utah
Contract Idm-2445

Your November 14 memorandum recommends the refund to Union Carbide Nuclear Company of a $135.65 overpayment of royalty under the subject contract. Also, your November 15 letter to Union Carbide Nuclear Company states that you have requested such reimbursement on the basis of its November 5 letter.

Apparently, you have overlooked the penultimate paragraph on page 3 of the Report of Royalty Review dated November 1. This paragraph states that a claim for refund from either Croff Oil Company or Union Carbide Nuclear Company must be accompanied by evidence of release from the other and also from the seller, H. H. Lewis, Inc.

Such presentation is necessary because the royalty on the settlement in question, no. 11508, was remitted to the Government partly by Croff and partly by Union Carbide Nuclear. Furthermore, the proceeds to Lewis were probably reduced accordingly in the settlement.

Even if this question of release was not involved in the matter, the copies of the November 6 letter are insufficient for vouchering purposes. The Fiscal Section must receive the original of any claim or voucher in addition to the two copies required for the Washington office files.

EKTalbert/ama 11-19-62

cc: Docket
Director's Reading File
CA & A Division
Review Committee

George S. Seifridge
November 15, 1962

Mr. A. E. Eikenbary
Controller
Climax Uranium Company
P. O. Box 989
Grand Junction, Colorado

Mr: BMEA-2446 (Uranium)
Contract No. Idm-2445
Beamerang Mining Company
(Cervasite Mine)
Grand County, Utah

Dear Mr. Eikenbary:

Thank you for your letter dated November 14, 1962 which contained the information on the shipment of ore from the Cervasite Mine on November 6, 1962.

By the terms of the captioned contract, the period for the repayment of royalty to the Government will expire upon receipt by the Government of the royalty due on this shipment of ore.

Will you please furnish this office two copies of a Pro Forma Settlement along with your check for the proper amount of royalty due on this shipment of ore.

Yours very truly,

[Signature]

Original signed by

Ragh M. Connors
Acting Field Officer, OME
Region III

EMC lm
cc Chief, Division of Field Operations, OME:
    with 2 copies of Mr. Eikenbary's letter dated 11/14/62
    Royalty Corres. Idm-2445
    Chron
Mr. Hugh M. Connors  
Office of Minerals Exploration  
U. S. Department of the Interior  
Building 20 - Federal Center  
Denver 25, Colorado

Dear Mr. Connors:

In reply to your letter of November 13, 1962 regarding ore received from the Corvusite Mine (Contract No. IOM-E645), we wish to confirm that 30,682 dry tons of ore assaying 0.21% U₃O₈ and 0.43% V₂O₅ was received on November 6, 1962 from the Urantah property. Royalty to OME on this ore would amount to $22,422.

A liquidation number has not been assigned as settlement for ore received from this property is based on monthly averages. However, if it is necessary that you receive a statement from us as to the value of this one load of ore in order to determine the royalty due you, we will be glad to furnish a Pro Forma Settlement along with our check for $22,422.

Very truly yours,

CLIMAX URANIUM COMPANY

A. R. Eikenbery  
Controller

ARE:hg  
cc: A. W. Mastrovich
November 15, 1962

Mr. D. B. Clark, Office Manager
Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

Re: ENEA-2446 (Uranium)
Contract No. IDU-B445
Boneerung Mining Company
(Carvansite Mine)
Grand County, Utah

Dear Mr. Clark:

This has further reference to your letter of November 6, 1962 regarding the overpayment of royalty amounting to $35.65 on ore from the Carvansite Mine.

I have asked the Washington Office CME to request the Fiscal Section to reimburse you $35.65.

Yours very truly,

[Signature]

[Position]

[Division]

ENR/1m
cc Chief, Division of Field Operations, CME (2)
Royalty Corres. E445
Chron
November 14, 1962

Memorandum

To: Fiscal Section, Division of Administrative Services
    Office of the Secretary, Department of the Interior
    Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DE-2446 (Uranium)
        Contract E4-456
        Recorex Mining Company
        (Carversite Mine)
        Grand County, Utah

Attached is the original Report of Royalty Review dated
November 1, 1962 on the subject property covering the period

Hugh M. Connors

Attachments

E445

cc Chief, Division of Field Operations, OME
    E. D. Talbert, Acting Chief
    Contract Administration and Audit Division
    Royalty Corres. E445
November 14, 1962

Coff Oil Company
407 Kearns Building
Salt Lake City, Utah

Re: BUREA-2446 (Uranium)
Contract IDA-2445
Boomerang Mining Company
(Corvanite Mine)
Grand County, Utah

Gentlemen:


Royalty will be due the Government on the liquidation shipped from the subject property November 6, 1962.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer, GME
Region III

Enclosure

cc Chief, Division of Field Operations GME
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. 2445
Chron
November 14, 1962

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: BMEA-2446 (Uranium)
Contract Ym-E445
Roamerang Mining Company
(Corvusite Mine)
Grand County, Utah

Upon my return from the field, I note that Mr. Romolo replied to Mr. D. E. Clark's letter dated November 6, 1962 but I find no place where he recommended that the overpayment in the amount of $35.65 should be refunded to Union Carbide Nuclear Company.

Since this overpayment in royalty ($35.65) is shown in the Report of Royalty Review dated November 1, 1962, I recommend that the $35.65 be refunded to the Union Carbide Nuclear Company.

Original signed by

Hugh M. Conners
November 13, 1962

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OHE
Washington 25, D. C.

From: Acting Field Officer, OHE, Region III

Subject: HEU-2446 (Uranium)
Contract No. IAB-2445
Boomerang Mining Company
(Corvusite Mine)
Garfield County, Utah
EXPIRATION OF DEHA CONTRACT PAYING ROYALTY

I visited the Corvusite Mine on November 8, 1962, in the company of E. V. Baldene, subsiisor from the E. E. Lewis, Inc. All of the ore in sight was shipped November 6, 1962. Mr. Baldene is now crosscutting, a distance of 45 feet, toward an ore hole.

I believe that the Government will have collected all of the royalty due when they receive the royalty due on the shipment of ore from the Corvusite Mine on November 6, 1962. Upon receipt of royalty for that liquiation, I recommend that the files be closed on this project.

[Signature]
Hugh M. Connors
November 13, 1962

Mr. A. M. Mastrovich
Climax Uranium Company
125 North 8th
Grand Junction, Colorado

Re: BMRA-2446 (Uranium)
Contract No. XAn-1445
Boomerang Mining Company
(Coreusite Mines)
Grand County, Utah

Dear Mr. Mastrovich:

Will you please advise the liquidation number of the ore shipped
your will from the captioned property on or about November 6, 1962.

This is the last shipment of ore from the Coreusite Mines on which
royalty will be due the Government under the terms of BMRA Contract
KAn-1445

Yours very truly,

[Signature]

Chief, Division of Field Operations, OKE
Region III

EMC/IM
cc Chief, Division of Field Operations, OKE
KAn-1445 Royalty Corres.
Chron
November 7, 1962

Mr. D. E. Clark, Office Manager
Union Carbide Nuclear Company
P. O. Box 1849
Grand Junction, Colorado

Re: BME-6446 (Uranium)
Contract No. XMr-6445
Ecoaress Mining Company
(Cerverita Mine)
Grand County, Utah

Dear Mr. Clark:

This is to acknowledge receipt of your letter dated November 6, 1962 concerning the status of ore shipments from the Uretonab No. 1 and No. 2 claims.

A copy of the letter has been forwarded to our Washington Office.

I previously requested that a Report of Royalty Review of this contract be prepared to determine the true amount overpaid.

Yours very truly,

TMR

Original signed by:

For

Hugh M. Coughen
Acting Field Officer, CME
Region III

TMR

cc Chief, Division of Field Operations, CME (2)

with two copies of Mr. Clark's letter dated 11/6/62
Mr. Hugh M. Connors,
Acting Field Officer
Office of Minerals Exploration
Building 20, Federal Center
Denver 25, Colorado

Dear Mr. Connors:

RE: UMEA-2446 (Uranium)
Contract No. IDM-2445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

We have reviewed our files on the above subject contract number, and it is noted that Mr. E. E. Lewis is not making shipments from the Uranium No. 1 and No. 2 claims at the present time, and it is not expected that we will receive shipments in the near future.

Therefore, it would be appreciated if you have suggested, to arrange the audit in order to forward us the overpayment of royalty amounting to $35.65.

Yours very truly,

[Signature]
Office Manager
REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract LDm-2445, Docket EMDA-2446 (uranium), dated November 4, 1952, with

Boomerang Mining Company
P. O. Box 52
Grand Junction, Colorado

and an Undertaking Concerning Royalty executed on November 19, 1957, by

Coffin Oil Company
407 Kearns Building
Salt Lake City, Utah

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Cervantes Mine located in Grand County, Utah, during the period July 21, 1960, through October 11, 1962.

A certification of discovery or development was issued on November 2, 1953, and, in accordance with Article 6 of the contract and the above-mentioned Undertaking, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 10 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated February 23, 1954, indicated accepted costs under the exploration contract amounting to $23,820.08 with the Government's contribution on a 90 percent basis being $21,458.07.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established the total sales subject to the Government's royalty for the period to be $51,260.41. Royalty payable to the Government at the rate specified in the contract is $2,543.02.

A prior Report of Royalty Review found the sales subject to the Government's royalty through July 20, 1960, to be $164,289.79, which added to the sales for this subsequent period make a total of $215,550.20. The royalty account as of July 20, 1960, was:

Total Royalty Payable $51,260.41
Total Royalty Paid $2,543.02
Balance of Royalty Due $0.00

As of October 11, 1962, the royalty account of this project was found to be:

Total Royalty Payable $10,777.50
Total Royalty Paid 10,813.15
Overpayment of Royalty $35.65

November 1, 1962

E. B. Tulbert, OCM Auditor
This contract provides that the Operator or its successors in interest shall pay to the Government a percentage royalty on any minerals produced from the land thereunder. The land consists of eight unpatented claims (Roxana Nos. 1, 2, and 6, Urranah Nos. 1 and 2, and Grandee Nos. 1, 2, and 3) located in secs. 19 and 20, T. 25 S., R. 29 E., S.E.B.M., Beaver Mts. (West Gateway) District. At the time the contract was executed the Operator was the owner of an undivided one-half interest in and lessee of the other undivided one-half interest. In consideration of the contract the lessee, F. Ray Stone, executed Owner's Consent to Lien on November 3, 1952, and September 28, 1953.

Exploration work under the contract was completed on August 21, 1953. During the exploration period and through December 31, 1953, the Operator's shipments of ore aggregated $157,234.39 in proceeds. From March 16, 1954, through December 31, 1954, shipments in the name of Columbia Motor Consolidated Mines Co. amounted to $28,656.77 in proceeds.

On September 28, 1954, F. Ray Stone deeded his undivided one-half interest in the claims to James F. Martin & Company. On February 1, 1955, the Operator deeded its one-half undivided interest to James F. Martin & Company. On March 7, 1955, the latter company then deeded the claims in their entirety to the Groff Oil Company. As an inducement for the Government to release the Operator from liability for royalty payment under the exploration project contract, the Groff Oil Company on November 17, 1957, executed an Undertaking Concerning Royalty whereby the Government was granted a fixed 5% royalty on all production during the period set forth in the contract and, to assure the payment of such royalty, a lien on the land and the production therefrom. This instrument was recorded in the records of Grand County at Moab, Utah, on December 6, 1957.

From July 1, 1955, through June 30, 1956, the Groff Oil Company made shipments on which the proceeds aggregated $25,441.22. Thereafter, through May 16, 1960, shipments aggregating $54,937.21 in proceeds were made by various lessees, i.e., Cordillera Mining Company, Crown Mining Company, Sidney J. Beers, Lester Sage, Dowray Mining Company, and H. E. Lewis, Inc.

All of the aforementioned shipments are covered by a prior Report of Royalty Review dated February 9, 1961, which found a balance of $7,67 due to the Government in royalty. The Groff Oil Company paid this balance due in April 1961.
During the period covered by this latest review, shipments were made by E. E. Lewis, Inc., Box 1481, Grand Junction, Colorado, to the Union Carbide Nuclear Company, Uravan, Colorado, during the period of December 1961 through March 1962 and to Climax Uranium Company, Grand Junction, Colorado, during the period of May 1962 through September 1962. This review included a tabulation and recomputation of the ore settlement sheets through Climax liquidation number 5354 dated October 5, 1962. The tabulation, which is filed with my audit workpapers, is summarized and consolidated with prior findings in the following statement:

<table>
<thead>
<tr>
<th>Prior Periods</th>
<th>This Period</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Dry Tone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pounds: U₃O₈</td>
<td>4,001.95</td>
<td>1,221.96</td>
</tr>
<tr>
<td>V₂O₅</td>
<td>20,828.01</td>
<td>8,303.83</td>
</tr>
<tr>
<td>Proceeds:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base, U₃O₈</td>
<td>$86,054.92</td>
<td>$29,709.22</td>
</tr>
<tr>
<td>Development</td>
<td>12,414.19</td>
<td>4,151.93</td>
</tr>
<tr>
<td>Premiums</td>
<td>6,853.76</td>
<td>2,254.73</td>
</tr>
<tr>
<td>Mailing</td>
<td>23,276.33</td>
<td>-</td>
</tr>
<tr>
<td>V₂O₅</td>
<td>37,451.54</td>
<td>11,673.17</td>
</tr>
<tr>
<td>Penalties, etc.</td>
<td>-1,790.97</td>
<td>3,471.36</td>
</tr>
<tr>
<td>Total</td>
<td>$164,289.79</td>
<td>$51,260.61</td>
</tr>
<tr>
<td>Royalty Payable</td>
<td>$8,214.48</td>
<td>$2,563.02</td>
</tr>
<tr>
<td>Royalty Paid</td>
<td>8,206.61</td>
<td>2,696.54</td>
</tr>
<tr>
<td>Overpayment</td>
<td>$-7.87</td>
<td>$-3.52</td>
</tr>
</tbody>
</table>

The $35.45 overpayment of royalty was made on Union Carbide Nuclear liquidation number 11508 dated December 31, 1961, on which two corrected settlements were issued. The royalty properly payable on the basis of the "second corrected" amounts to $295.90, whereas the royalty actually paid totalled $331.55, of which $277.16 was remitted by Croff and $54.39 by Union Carbide Nuclear. Accordingly, a claim for refund from either Croff or Union Carbide Nuclear should be accompanied by evidence of release from the other and also from E. E. Lewis, Inc.

The findings of this review are subject to revision in the event of future audit by the Government of the Operator's, the several producers', or the Croff Oil Company's records or future examination of the stopped areas. It is to be noted, also, that royalty is payable on all ore broken through November 4, 1962, regardless of when shipped or sold.
This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The files indicate that all sales of production have been reported and proper royalty thereon has been paid, except as indicated above; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.
Memorandum

To: Acting Field Officer, Region III

From: E. D. Talbert, Chief
Contract Administration and Audit Division

Subject: ENA-2446 (Uranium)
Bonneville Mining Company
Cervantes Mine
Grand County, Utah
Contract EDM-2445

As suggested in your October 24 memorandum to the Chief, Division of Field Operations, a Report of Royalty Review has been prepared for the subject contract. The original and two copies are enclosed.

If you concur in the facts stated in the report, please make the following distribution:

(a) Original to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.;
(b) One copy to the Croff Oil Company; and
(c) One copy for your files.

In transmitting the Croff Oil Company's copy, attention should be invited specifically to the last two paragraphs of the Report of Royalty Review.

As evidence of your concurrence, a copy of your letter transmitting the Croff Oil Company's copy should be furnished this Division. If for any reason you do not concur, the original and both copies of the report should be returned to this Division with your comments.

Enclosures

KDTalbert/ama 10-31-62

cc:
Docket
Director's Reading File
GA & A Division
Fiscal Section
For royalty payment of $298.88, dated October 12, 1962, see transmittal letter file.
For royalty payment of $819.04, dated September 12, 1962,
see transmittal letter file.
For royalty payment of $441.62, dated August 10, 1962, see transmittal letter file.
E-445

For royalty payment of $391.26, dated July 11, 1962, see transmittal letter file.
For royalty payment of $183.82, dated June 12, 1962, see transmittal letter file.
For royalty payment of $33.38, dated April 25, 1962, see transmittal letter file.
For royalty payment of $6.38, dated March 21, 1962, see transmittal letter file.
February 16, 1962

United States Department of the Interior
Office of Minerals Exploration
Building 20 - Federal Center
Denver 25, Colorado

Re: Docket No. DMRA-2446 (Uranium)
Contract No. IDM-E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Dear Mr. Connors:

We were informed by Mr. E. E. Lewis that Maxwell Bentley had paid the $8.97 royalty (Liq. No. 11508) so on Mr. Lewis' authorization we did not deduct the $8.97. However, we will deduct this amount from the next settlement for B. K. Lewis, Incorporated and forward it to your office as per your instructions.

Yours very truly,

[Signature]
Office Manager

cc: Croff Oil Company
407 Kearns Building
Salt Lake City, Utah

E. E. Lewis, Inc.
P. O. Box 1481
Grand Junction, Colorado
For royalty payment of $101.71, dated February 16, 1962, see transmittal letter file.
February 15, 1962

Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

Re: Dock No. DMPA-2446 (Uranium)
Contract No. 1215-0045
Deseret Mining Company
(Varvite Mine)
Grand County, Utah

Gentlemen:

This will acknowledge receipt of your check for $101.71 which is the proper amount of royalty due on liquidation No. 11545 for the sale of ore from the captioned property.

Your letter of January 18, 1962 stated that you would deduct $8.97 from the next shipment of ore from this property; the $8.97 being the balance of royalty due on liquidation No. 11508.

Will you please make a note to forward this office an additional $8.97 in royalty on the next shipment of ore from this property to bring this royalty account into balance.

Yours very truly,

Original signed by

Hugh R. Commer
Acting Field Officer, CME
Region III

cc: Croft Oil Company
407ahoma Building
Salt Lake City, Utah

E. F. Lewis, Inc.
P. O. Box 1481
Grand Junction, Colorado

Chief, Division of Field Operations, CME (2)
Royalty Corres E445
Chrom

HMC/1m
January 18, 1962

United States Department of the Interior  
Office of Minerals Exploration  
Building 20 - Federal Center  
Denver 25, Colorado

Re: Docket No. DMEA-2446 (Uranium)  
Contract No. Idm-E445  
Boomerang Mining Company  
(Corvusite Mine)  
Grand County, Utah

Dear Mr. Connors:

The reason the correct amount of DMEA money due on Docket 2446, Contract No. Idm-E445, was wrong was due to the wrong interpretation of the royalty deduction statement submitted by E. E. Lewis, Incorporated for Croff Oil Company.

We have been advised to deduct the amount due on Settlement No. 11508 on the next shipments from E. E. Lewis. We hope this meets with your approval.

Yours very truly,

Office Manager

cc: Croff Oil Company
    E. E. Lewis, Incorporated

cc: Selfridge, Chief, Division of Field Operations, OME (2)
For royalty payments of $1,58 and $277.16, dated January 19, 1962, see transmittal letter file.
January 18, 1962

Dear Mr. Bentley:

Thank you for your check for $677.16 which was the amount of royalty due as quoted in my letter dated January 15, 1962 addressed to E. R. Lewis, Inc., copy of which was forwarded you.

On January 17, 1962 I forwarded you a copy of my letter to Union Carbide Nuclear Company regarding additional royalty due on liquidation No. 11508 because of the corrected settlement sheet.

The royalty status on liquidation No. 11508 to date is as follows:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total amount of royalty due</td>
<td>$331.55</td>
</tr>
<tr>
<td>Total royalty paid to date</td>
<td>322.50</td>
</tr>
<tr>
<td>Balance of royalty due</td>
<td>8.97</td>
</tr>
</tbody>
</table>

Will you please forward this office your check for 8.97 to bring this royalty account into balance.

Yours very truly,

[Signature]

Hugh M. Commer
Acting Field Officer, GN
Region III

cc Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

cc E. R. Lewis, Inc.
P. O. Box 1461
Grand Junction, Colorado
January 16, 1962

United States Department of Interior
Office of Minerals Exploration
Building 20, Federal Center
Denver 25, Colorado

Attention: Hugh M. Conners, Acting Field Officer, OME

Re: Docket No. DNEA-2446 (Uranium)
Contract No. IDM-2445

Gentlemen:

Receipt is acknowledged of your letter of January 15, 1962, wherein you called our attention to the fact that the royalty on Liq. No. 11500 should have been $32.1 rather than $43.84. Enclosed please find Croff's check made payable to your department in the sum of $277.16.

I note from your letter that you also send a copy of same to Union Carbide Nuclear Company at Rifle, Colorado and I suppose that will be sufficient notice for them to make the future payments correctly.

Very truly yours,

CROFF OIL COMPANY

by Maxwell Bentley, Secretary

MB: bb
January 17, 1962

Union Carbide Nuclear Company
P. O. Box 1049
Grand Junction, Colorado

No:  
- BEH-2446 (Uranium)
- Contract No. XMC-PA43
- Relemner Mining Company
  (Corpusite Mine)
  Grand County, Utah

Gentlemen:

We have received two royalty checks from you for liquidation No. 11508 representing the sale of ore from the captioned property as follows:

- Your check No. 15255 for $43.84
- Your check No. 33435 for $1.50

Total $45.34

The total royalty due the Government on Liquidation No. 11508 is 5 percent of $5,631.00 which is $281.55.

- $331.55 Total amount of royalty due
- $45.42 Amount paid to date
- $286.13 Royalty due

Will you please arrange with the Operator to pay the royalty due the Government on this liquidation.

If the Operator will soon have another shipment of ore for your will the amount due for royalty on Liquidation No. 11508 could be paid from the next shipment.

Will you please advise.

Yours very truly,

Hugh M. Conners
Acting Field Officer, OMF
Region III

cc: Crof Oil Company
407 Meares Building
Salt Lake City, Utah

cc: R. F. Lewis, Inc.
P. O. Box 1481
Grand Junction, Colorado
For royalty payment of $43.84, dated January 16, 1962, see transmittal letter file.
January 15, 1962

E. E. Lewis Inc.
P. O. Box 1481
Grand Junction, Colorado

Re: Docket No. DNPA-2446 (Uranium)  
Contract No. IDA-2445  
Boomersang Mining Company  
(Corpusite Mine)  
Grand County, Utah

Gentlemen:

We received a check for $43.84 for royalty on liquidation  
No. 11508. The royalty on this lot should have been $321.00.  
Remainder of royalty due the Government on this lot is  
$277.16.

Will you please forward this office your check for $277.16 to  
balance the royalty account.

Yours very truly,

[Signature]

Hugh M. Conners  
Acting Field Officer, OMF  
Region III

cc Union Carbide Nuclear Company  
Rifle, Colorado

Croft Oil Company  
417 Kearns Building  
Salt Lake City, Utah

Chief, Division of Field Operations (2)  
Royalty Corres. E445  
Chron
For royalty payment of $7.87, dated April 28, 1961, see transmittal letter file.
April 13, 1961

Croft Oil Company
407 Kearns Building
Salt Lake City, Utah

Re: Docket No. DMEA-2446
Contract No. 1424 E445
Koomerg Mining Company
(Corvaute Mine)
Grand County, Utah

Gentlemen:

On February 14, 1961 I forwarded you at 309 Carnall Building, Salt Lake City, Utah, a copy of the Report of Royalty Review on the subject contract. This Report of Royalty Review was returned to this office marked "not here" so I then sent it to Maxwell Bentley, Box 641, Moab, Utah and since the letter was not returned I presume that you received it from your attorney, Mr. Maxwell Bentley.

If I do not receive the $7,87 due the Government for past due royalty before May 15, 1961, I will have no recourse but to refer the matter to our Washington office for such action as they deem necessary to protect the Government's interest.

Yours very truly,

[Signature]

Hugh M. Connors
Acting Field Officer, CME
Region III

[cc] Chief, Division of Field Operations, CME (2)
with copies of Latimer's letter (2)
and my reply to Latimer
Royalty Corres E445
Chron
Mr. Royce R. Latimer  
Sumray Mining Co., Inc.  
P. O. Box 897  
Moab, Utah

Dear Mr. Latimer:

Thank you for your letter dated April 11, 1961 which gave me the new address of the Croff Oil Company.

I sincerely hope that fortune smiles on you and yours in all of your mining ventures.

I will be happy to show you my air photo of the LaSalle mountains taken from a point south of Gateway, Colorado and if you like the photo maybe we can have it copied.

Yours very truly,

Hugh N. Connors  
Acting Field Officer, OME  
Region III

EMC/1m  
cc Chief, Division of Field Operations, OME  
Royalty Corres E445  
Chron
April 11, 1961

Mr. H. M. Connors
Office of Minerals Exploration
Federal Center
Denver, Colorado

Dear Mr. Connors:

A few weeks back I got your letter asking for Croff Oil Co. address. It is 407 Kearns Building, Salt Lake City, Utah. Mr. Maxwell Bentley is their attorney and an officer in the corporation. Mr. W. D. Nebeker is the President (brother-in-law to Max Bentley) and is otherwise associated with Wooley Investment Co.

I surely apologize for the delay in writing you, but I was just leaving on a trip, and things really got behind in the office when I returned. And I have had a couple of other short trips since.

Betty and I haven't received our lease back on the Cormeite Mine as I told you on the phone when I was in Denver. But we keep hoping. We have been told we were to get it but there are still a few flies in the buttermilk.

This certainly is not mining or drilling weather, but I seriously hope to apply for some Exploration assistance this summer and hope for the best to keep shipping after April 62. It may be folly to some to keep plugging right up to the deadline on the buying program, but we have too much of an investment (besides money) to walk away. Our reserve allocations are not as good as I would like (they have been trimmed down to nearly nothing) but perhaps some change in policy could occur.

Hugh, if you get over this way, or need any help on information I'll sure do my best for you.

Sincerely,

Royce R. Lattner

[Signature]
March 15, 1961

Mr. Royce Latimer
P. O. Box 897
Moab, Utah

Re: Docket No. DMEA-2446 (Uranium)
Contract No. Istm E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Dear Mr. Latimer:

A letter, which I had written to the Croff Oil Company,
309 Crandell Building, Salt Lake City, Utah, has been returned
marked "not here".

If you have any information concerning the location of the Croff
Oil Company or the present owner of the Corvusite Mine, will you
please advise me.

A franked, self-addressed return envelope is enclosed for your
convenience.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

Enclosure

HMC/1m
cc Chief, Division of Field Operations, OME
Royalty Corres E445
Chron
I have reviewed the files of the Washington office pertaining to Con-
tract No. 51-8445, Docket No. DMEA-2446 (Uranium), dated November 4, 1952, with

Boomerang Mining Company
P. O. Box 52, Grand Junction, Colorado

and an Undertaking Concerning Royalty, executed November 19, 1957, by

Croft Oil Company
309 Crandall Bldg., Salt Lake City, Utah

for the purpose of determining the amount of royalty due the U. S. Gov-
ernment on sales of minerals from property referred to as Cervusita Mina
located in Grand County, Utah, during the period July 3, 1957, through
July 20, 1960.

A certification of discovery or development was issued on November 2,
1953, and, in accordance with Article 6 of the contract and the above-
mentioned Undertaking, royalty is payable on all minerals mined or pro-
duced from the land described in Article 2 of the contract for a period
of 10 years from the date of the contract or until the total net amount
contributed by the Government without interest is fully repaid, which-
ever occurs first. A Report of Review dated February 23, 1954, indica-
ted accepted costs under the exploration contract amounting to
$23,820.08 with the Government's contribution, on a 90 percent basis,
being $21,438.07.

The status of the project, the scope of review, and the reasons there-
for are stated on page 2.

This review established the total sales of uranium ore for the period
to be $46,301.73. Royalty due the Government at rates specified in the
contract is $2,315.08.

A prior Report of Royalty Review found the sales subject to Government
royalty through July 2, 1957, to be $117,988.06 which added to the sales
for this subsequent period make a total of $164,289.79. The royalty ac-
count as of July 2, 1957, was:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Due</td>
<td>$5,899.40</td>
</tr>
<tr>
<td>Total Royalty Paid</td>
<td>5,899.40</td>
</tr>
<tr>
<td>Balance of Royalty Due</td>
<td>-$0-</td>
</tr>
</tbody>
</table>

At July 20, 1960, the royalty account of this project was found to be:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Due</td>
<td>$8,214.48</td>
</tr>
<tr>
<td>Total Royalty Paid</td>
<td>8,206.61</td>
</tr>
<tr>
<td>Balance of Royalty Due</td>
<td>7.87</td>
</tr>
</tbody>
</table>

February 9, 1961

E. D. Talbert, OME Auditor
STATUS OF PROJECT, SCOPE OF REVIEW AND REASONS THEREFOR

During the period covered by this review ore was produced from the project property and royalty thereon was paid by, or for the account of, Crown Mining Company, Sidney J. Bears, Lester Sage, Sunray Mining Company, and E. E. Lewis, Inc. This review included a tabulation and recomputation of liquidation statements relating to sales of uranium ore to Climax Uranium Company, Union Carbide Nuclear Company, Vanadium Corporation of America, and Lucius Pitkin; Inc. The property under the contract was not eligible for the initial production bonus. The tabulation is filed with my audit workpapers.

The last settlement included in this review related to a trial shipment from E. E. Lewis, Inc., to Lucius Pitkin, Inc., on May 16, 1960. This settlement was the only one found by this review to have additional royalty due the Government thereon. A summary of the findings on this settlement follows:

<table>
<thead>
<tr>
<th>Date</th>
<th>Liq. No.</th>
<th>Short tons</th>
<th>Assays</th>
<th>Base payment, U₃O₈</th>
<th>Development allowance</th>
<th>Haulage allowance</th>
<th>Payment, V₂O₅</th>
<th>Total subject to royalty</th>
<th>Royalty @ 5%</th>
<th>Royalty paid</th>
<th>Balance of royalty due</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 6, 1960</td>
<td>5145</td>
<td>24.83</td>
<td>456</td>
<td>70.02</td>
<td>23.34</td>
<td>134.08</td>
<td>98.40</td>
<td>325.84</td>
<td>16.29</td>
<td>8.42</td>
<td>7.87</td>
</tr>
</tbody>
</table>

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(a) Inspection reports submitted by field representatives of OMB and other correspondence and documents in the files indicate that all production during the period covered by the review has been reported and proper royalty, except as indicated herein, has been paid; and

(b) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.
DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name: Boomerang Mining Co.
Address: Box 112
Gateway, Colorado

Exploration Contract No. IEE 445
Docket No. 2446

1. (a) Does the Operator stockpile ore subject to royalty repayment? [X]
(b) If so, is segregation and identification procedure adequate?

2. (a) Does Operator commingle production subject to DMEA or OME royalties with exempt production? [X]
(b) If so, do you consider the allocation of the commingled production equitable?

3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period? [X]
(b) If so, are adequate records maintained on such material to protect the Government's interest?

4. Do you consider the assay controls in effect are adequate? [X]

5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns? [X]

6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties? [X]

7. Does the Operator buy from or sell to other Operators? [X]

8. Comment on any item 2 (b) to 6 if answer is No.

July 20, 1960
Date
Hugh M. Connors
Mining Engineer
February 14, 1961

Memorandum

To: Fiscal Section, Division of Administrative Services
   Office of the Secretary, Department of the Interior
   Washington 25, D.C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Docket No. INEA-2446 (Uranium)
        Contract No. 16w-E445
        Boomerang Mining Company
        (Corvusite Mine)
        Grand County, Utah

Attached is the original Report of Royalty Review on the subject
property dated February 9, 1961 covering the period July 3, 1957,
through July 20, 1960.

Hugh M. Connors

Attachments

E/MC/1p

cc Chief, Division of Field Operations OME (2)
    E. D. Talbert, Acting Chief
    Contract Administration and Audit Division
    Royalty Corres. E445
    Chron
February 14, 1961

Croff Oil Company
309 Crandall Building
Salt Lake City, Utah

No:
Rocket No. DMEA-2446 (Uranium)
Contract No. L66-E445
Boomerang Mining Company
(Corveeite Mine)
Grand County, Utah

Gentlemen:


You will note that $7.87 is the balance of Royalty due the Government.

May we look forward to your prompt payment to this office of the $7.87 due the Government to bring the royalty account into balance.

Yours very truly,

[Signature]

H. M. Connors
Acting Field Officer, OME
Bagian III

Enclosure

HMC/1m

cc Chief, Division of Field Operations, OME (2)
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres E445
Chron
Memorandum

FEB 9 1961

To: Acting Field Officer, Region III

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-2446 (Uranium)
Boomerang Mining Company
Carvusite Mine
Grand County, Utah
Contract Ida-6445

Attached are the original and two copies of a Report of Royalty Review on the subject contract. Although you executed a NRE Form 22, Check Sheet of Examining Engineer, on July 20, 1960, completion of this report necessarily was deferred until completion of the investigation of the alleged theft of ore.

If you concur in the facts stated in this report, distribution should be made as follows:

(a) Original of the report to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.;
(b) One copy to the Croff Oil Company, 509 Crandall Bldg., Salt Lake City, Utah; and
(c) One copy for your file.

As evidence of your concurrence, a copy of your letter transmitting the Croff Oil Company’s copy should be furnished to this Division. Furthermore, it is suggested that the transmittal to Croff Oil Company include a request, on the basis of its Undertaking Concerning Royalty, for prompt payment of the $7.87 due the Government.

If for any reason you do not concur in the review findings, the original and both copies of the report should be returned to this Division with your comments.

Attachments

EDTalbert/ama
February 9, 1961

Copy to: Docket
Director's Reading File
CA & A Division
Mr. Rothrock
Memos

Memos

To: Director of Inspection

From: Acting Director, Office of Minerals Exploration


Thank you for the copy of the comprehensive subject report by Ivan L. Barnett made available for our personal. Its conclusion removes any doubt that royalty is due the Government.

As requested, I am returning the copy of the report.

[Signature]

Frank E. Johnson
Acting Director

Attachment

GCSehfridge/hb (1/27/61)
Copy to: Docket BPA-2444
Director's File
Director's Reading File
G. C. Selfridge
Region III (2/7/61)
Office A Division X (2/8/61)
Memorandum

To: Acting Director, Office of Minerals Exploration

From: Director of Inspection

Subject: Case No. 1961-20 (D. I. 1071). Investigation of alleged theft from the Covegite Mine, Grand County, Utah, of ore subject to Government royalty under a BHEA Exploration Contract

Enclosed referred for your review and such comment as you consider appropriate is a copy of the subject report of investigation.

Except for the suspicions expressed by the complainant Latimer, the investigation adduced no indication whatever that thefts of ore from the Covegite Mine had occurred with result of loss of royalty to the Government. One individual, Lester Sage, implicated in Latimer's testimony, was not interviewed because of the indefiniteness of his statements. In view of the negative import of other investigative developments it was not deemed in the Government's interest to incur substantial additional expense in an effort to locate Sage.

A copy of the investigative report is also being referred to Mr. Charles Seller, new Assistant Solicitor, Branch of Mineral Defense Activities. It was from Mr. Seller, in his former capacity of Associate Solicitor, that this matter was referred to the Division of Inspection. BHEA files were also referred by Mr. Seller at that time. They are being restored to him with the copy of the investigative report.

You are requested to return the investigative report herewith made available for your review and comments.

S/[Signature]

Attachment
Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, ORE
Washington 25, D. C.

From: Hugh M. Connors, Acting Field Officer, ORE, Region XIII

Subject: Packet No. ORE-A-2446 (Uranium)
Contract ID-2445
Boomerang Mining Company
(Corvusite mine)
Grand County, Utah

September 1, 1960

This has further reference to your memorandum of August 15, 1960 and
the memorandum from the Solicitor dated August 12, 1960 on the
subject contract.

On August 30, 1960 I visited Mr. Royce R. Latimer at his residence
which is located in the basement of an office building located at
164 South Main Street, Moab, Utah. He is still not listed in the
Moab telephone directory and it still amazes me how the Solicitor
came up with a telephone number AL 5-5976 which is installed in
Mr. Latimer's residence but charged to an oil company.

Mr. Latimer had previously prepared some data to submit to an
attorney who he hoped would take his case to court. He gave me
copies of this information which are attached, together with a
supplement addressed to me containing information which I thought
would be of more interest to the Government.

Original signed by

Hugh M. Connors

Attachments
Date: Acting Field Officer, Region XII

To: Chief, Division of Field Operations

Subject: MIB-3445 (Denver)
    Paramount Mining Company
    Silverado Mine
    Grand County, Utah
    Contract No. 85-5445

This is with reference to your memorandum of July 29, 1968, relating to alleged theft of ore from the subject property.

The matter was referred to the Office of the Solicitor for review and recommendations as to what further action VIN should take. Enclosed is a self-explanatory memorandum, dated August 19, 1968, from Associate Solicitor Charles H. Sellor in response.

Will you kindly carry out Mr. Sellor's recommendation as soon as convenient and advise this office of the results.

W. R. Griswold

Enclosures (2)


Murphy/gia
8-15-68

cc to: Director's Reading File
Review Committee
Redact
Chrom
Code 500

Code 700


Memorandum

To: Chief, Division of Minerals
Office of Minerals Exploration

From: The Solicitor

Subject: EMD-6446 (Bromite)
Hercules Mining Company
Carpentine Mine
Grand County, Utah

In accordance with your memorandum of August 3, 1960, we have reviewed Mr. Latham's letter of February 13, 1960. Moreover, the matter has been discussed with the Director, Division of Inspection, and with the Deputy Solicitor.

The memorandum of June 23, 1960, from the Acting Field Officer of Region 3, indicates an attempt to locate Mr. Latham in Utah. By various means I have managed to find that as of August 11, 1960, Mr. Latham was listed on the Salt Lake telephone exchange under the number 22-3470. There is no record in the telephone exchanges of Utah, Idaho, Nevada, Arizona, California, or Arizona, California, of the Hercules Mining Company, or of Sunray Mining Company nor are Mr. Latham or Sunray listed in the Salt Lake exchange. Although the Director of the Division of Inspection is willing to investigate further the recent vague allegations of Mr. Latham in his final paragraph of his letter of February 13, 1960, it would seem proper for your agents to attempt once more to contact and interview Mr. Latham in Utah. It was unable to find from the Salt Lake telephone directory listing that Mr. Latham was listed in the telephone company's records it was possible to contact him locally.

The file is returned for such further action as may be indicated and as soon as your Field people have made a further attempt to
Obtain from Mr. Latimer a more complete statement, the Division of Inspection is willing to carry on from there.

GEORGE V. AMBUTT
The Solicitor

By:
Charles M. Bellor
Associate Solicitor
Division of Mineral Resources
Memorandum

To: E. D. Talbert, Acting Chief
    Contract Administration and Audit Division
    Washington 25, D.C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Docket No. DMEA-2446 (Uranium)
        Contract No. Idm-E445
        Boomerang Mining Company
        (Corvusite Mine)
        Grande County, Utah
        Report of Royalty Review

Enclosed is the original and one copy of the check sheet for Contract Idm E445 which was requested in your memorandum of June 8, 1960.

Hugh M. Connors

Attachments
July 25, 1960

Crockett Oil Company
309 Grand Hall Building
Salt Lake City, Utah

Re: Box 145 (Uranium)
Contract No. IDM-945
Boomerang Mining Company
(Corrasite Mine)
Grand County, Utah

Gentlemen:

We understand that E. F. Lewis Inc., P. O. Box 1401, Grand Junction, Colorado has a mining contract from you on the captioned property.

Will you please forward this office two copies of your agreement with E. F. Lewis Inc. regarding the operation of the Corrasite Mine.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer
OEM, Region III

cc: Chief, Division of Field Operations (2)
Royalty Corres. 945
Chreas
July 25, 1960

Recommendation

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Hugh M. Connors, Acting Field Officer, OME, Region XIII

Subject: Project No. EMMA-2446 (Orebank)
Contract No. E445
Copper Ore Mining Company
(Corvanite Mine)
Granada County, Utah

Reference is made to your memorandum dated February 26, 1960 on the subject contract.

On July 20, 1960 I attempted to contact Mr. Mayce R. Latham, 
President, Sunny Mining Co., Inc. in Fruit, Utah. Neither Mr.
Latham nor the Sunny Mining Company is listed in the Fruit telephone directory and the Power and Light Company in Fruit have no record of them.

Our records of production from the property checks with the MEC records in Grand Junction.

The Corvanite Mine is idle at present but J. E. Lewis Inc. have a
mining contract on the property and expect to start exploration drilling before August 1, 1960. There are at present no known ore
reserves on the property. This information was given me by Mr.
John Noon, partner of J. E. Lewis Inc.

It is recommended that the matter of the alleged theft of ore be
dropped, at least until such time as some definite proof of theft is
submitted.

Original signed by

Hugh M. Connors

EMC/1m
cc Chief, Division of Field Operation (1) w/orig
Royalty Corres. E445
Chron
E-445

For royalty payment of $8.42, dated July 15, 1960, see transmittal letter file.
## Certificate of Deposit

### Standard Form 219

**Date sent:** 2-19-60  
**Deposit No.:** 82

**Deposited with:** Federal Reserve Bank of Kansas City, Mo., Denver, Colo.

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$1,177.89</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Identification of Accountable Officer Affected**

- **Office Deposit Symbol:** 313
- **Office at (city and state):** Denver, Colo.
- **The Sum of:** $1,177.89

**Classification of Deposit**

- **Department or Agency and address whose accounts are credited:** Office of Minerals Exploration  
  224 New Customhouse  
  Denver 2, Colorado

**Depositary will date, sign and forward to depositor.**

---

**Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.**

<table>
<thead>
<tr>
<th>Name and location of depositary</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office of Minerals Exploration</td>
<td>$1,177.89</td>
</tr>
</tbody>
</table>

**Depositary will date, sign and forward to depositor.**
DENVER BRANCH
FEDERAL RESERVE BANK

1960 FEB 19 PM 12 07

MAIL DEPT-2
Memorandum

To: Executive Officer, OME Field Team, Region III

From: Chairman, Operating Committee, OME

Subject: Docket No. 76584 (Uranium)
Boomerang Mining Company
Corpusite Mine
Grand County, Utah
Contract No. 12-2445

Your memorandum of February 15, 1960, and enclosures relating to the subject property are acknowledged.

We note in your letter of December 15, 1959, to Bannock Mining Company, Inc., that you requested copies of the lease. Under the subject contract form, we do not have the right to demand such agreements; however, we can ask that they be submitted as a courtesy.

The Field Team should not initiate any formal action in the matter of the alleged theft of ore at this time. It is suggested that during the inspection in conjunction with the interim report, it might be possible to obtain information pertinent to the matters mentioned in Bannock's letter of February 15, 1960, to you. After all the data are made available to this office, we will then make a decision on future procedure.

Our legal staff is still reviewing the New Idria case (IMEA-4825, 210-E1101) of alleged theft. We will advise you on this docket when their review is submitted.

George C. Selfridge

Approved:
P. F. Yopes

Member, Bureau of Mines
Harold Kirkemo

Member, Geological Survey

[Signature]

Murphy/gia 2-25-60

cc to: Director's Reading File
      Operating Committee
      OME Division
      Code 500
      Docket
      Chron
Memorandum

To: Chairman, Operating Committee, OWE

From: Executive Officer, OWE Field Team, Region III

Subject: Project H-393-C4-06 (Uranium), Contract No. 34-1-346,
Bonneville Mining Co (Crescent Mines) Grand County, Utah

Enclosed are the original and two copies of a letter from Summar
Mining Co., Inc., dated February 13, 1960, and two copies of our
reply.

If it later develops that the facts warrant government investiga-
tion of the alleged theft of ore, which may result in court
action, it is recommended that the matter be turned over to the
proper investigating agency. It is probable that it would be
necessary for this agency to provide a mining engineer to assist
in the investigation for advice on mining matters.

A routine inspection of the record of production from the subordi-
nated land will be made at an early date in conjunction with the
interim report of certified project.

Please advise if we should take any action in the matter of the
alleged theft of ore before more conclusive information is
obtained from the Summar Mining Company.

Original signed by
J. W. TOWNSEND

Enclosures

JWT:ms

cc: Royalties corres
Suspense
Chason
Building 20 - Federal Center
Denver 25, Colorado
February 18, 1960

Mr. Royce R. Latimer, President
Sunray Mining Company, Inc.
P. O. Box 897
Moab, Utah

Re: Docket No. DMIA-2446 (Uranium)
Contract No. Idm-E445
Boomerang Mining Company
(Corvusite Mine)
Grand County, Utah

Dear Mr. Latimer:

Receipt is acknowledged of your letter of February 15, 1960 and the enclosed check in the amount of $8.03, constituting the balance of royalty due the government on Liquidation No. 5041.

The other matter discussed in your letter will be held in confidence; however, it is necessary that your letter be forwarded to our Washington Office for instructions.

Before this agency can take any action in the matter, it is necessary that we be acquainted with all facts at hand.

Very truly yours,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Executive Officer, ONS
Field Team, Region III

JWT:ms

cc: Chmn Op. Comm (2)
Royalty Corres
Suspense
Chron
SUNRAY MINING CO., Inc.

February 15, 1960

Mr. J. N. Townsend
Executive Officer, OME
Field Team, Region III

U.S. Dept. Interior
Bldg. 20-Federal Center
Denver 25, Colorado

SUNRAY MINING CO., Inc.

Re: Docket No. DMEA 2446 Uranium
Contract No. Idm-8445
Boomerang Mining Co.
Corvusite Mine
Grand County, Utah

Dear Mr. Townsend:

Please accept my apology for the long delay in remitting the amount due $3.03, for overpayment on Liquidation No. 5041. Herewith enclosed is our check in that amount.

At this time, I should advise you that we were put off this property under duress in October, 1959. At this company's expense commencing August, 1959, I conducted a drilling program for more reserves, and also did a great amount of development, tunneling, repairing, etc.

Results from drilling were that an estimated 11,000 tons of recoverable ores were discovered by our efforts, which included a new commercial orebody on the Uramtah group, northeast of the Bonanza claims where mining was going on.

It is quite a complicated affair at this point since the company has had no way to recover the cost it put forth in improving the property, which actually was borrowed money. However, certain facts which involve ore stealing did occur during the time our company operated it (Corvusite Mine) from the date of February 1958. I can only connect certain parties involved at this time, but I believe I can give enough information for an investigation which I believe should be made. I hope that an attorney will see fit to take our case in trying to recover damages but at this time no petition has been filed. It is just possible that the ore stealing would involve the present owners of the property as well as Crown Mining Co. or our former partners, who are now no longer in the corporation. May I ask you to keep this confidential at this time except to perhaps help me contact the proper authorities who may investigate further.

Very sincerely yours,

Sunray Mining Co., Inc.
Building 20 - Federal Center
Denver 25, Colorado
February 12, 1960

CERTIFIED MAIL
SHERIFF MINING COMPANY, INC.
P.O. Box 597
Moen, Utah

Re: Docket No. RMEA 2346 (Uranium)
Contract No. 1km-1445
Boomerang Mining Company
(Corvusite mine)
Grand County, Utah

Gentlemen:

Our letter to you dated December 11, 1959, requested two copies of the agreement conveying the interest to you in the uranium property.

On January 11, 1960, we wrote you and asked that you forward this office your check for $3.03, the balance of royalty due the Government on Liquidation No. 5041.

We have not received a reply to either letter. Will you please advise.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

IRC:ltm

Roy. Corres. E445
Chron.
CERTIFICATE OF DEPOSIT
Standard Form 219

1/11/60

(Deposit No.)

Federal Reserve Bank of Kansas City, Mo., Denver, Colo.

(Name and location of depositary)

Withdrawn by

Office of Minerals Exploration
224 New Custom House
Denver 2, Colorado

Depository will date, sign and forward to depositor for his retained copy.

Office Deposit Symbol: 14x401

Amount: $1,399.43

(3) The Sum of: $1,399.43

(1) Office Deposit Symbol:

(2) For Consolidated Abstract of Treasury Regional Office, Denver, Colorado

(3) The Sum of

(4) Classification of Deposit

Account Symbol | Amount | Account Symbol | Amount
---|---|---|---
14x401 | $1,399.43 | | |

(5) 14-23-040

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

Office of Minerals Exploration
224 New Custom House
Denver 2, Colorado

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).)

Authorized signature:

JAN 1 1960

(Date of credit in Treasurer's account)
Gentlemen:

This has further reference to our letter to you dated November 30, 1959, regarding Liquidation No. 5041, representing the sale of ore from the Bonanza No. 2 claim.

We now have three copies of the settlement sheets on Liquidation No. 5041, and the correct tabulation is as follows:

<table>
<thead>
<tr>
<th>Lag. No.</th>
<th>Net Value</th>
<th>Dry Tons</th>
<th>Per Ton</th>
<th>Date</th>
<th>Due</th>
<th>Paid</th>
<th>Royalty Due</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>5041</td>
<td>$550.96</td>
<td>20.876</td>
<td>$26.39</td>
<td>5%</td>
<td>$27.55</td>
<td>$19.52</td>
<td>$8.03</td>
<td></td>
</tr>
</tbody>
</table>

Please forward this office your check for $8.03.

Very truly yours,

Original signed by

J. W. Beesnend
Executive Officer, ORE
Field Team, Region III

EMC: ltm

Roy. Corres. E445
Chron.
Mr. J. L. Naylor, Office Mgr.
USU Industry, Inc.
Western Uranium Project
P. O. Box 1351
Grand Junction, Colorado

No: Reheis No. HMEA 2446 (Uranium)
Contract No. EHS-E445
Resource Mining Company
(Corvusite mine)
Grand County, Utah

Dear Mr. Naylor:

Thank you for the settlement sheets forwarded by your letter of January 6, 1960.

The lands subordinated under the referenced contract, production from which is subject to royalty payments to the Government, consists of the Rosana claims No's 1 and 2, Uranite claims No's 1 and 2, and Corvusite claims No's 1, 2 and 3. The property is known as the Corvusite mine.

Very truly yours,

Original signed by

J. V. Townsend
Executive Officer, OME
Field Team, Region III

JWT:ltm

Roy. Corres. E445
Susp.
Chron.
Building 20 - Federal Center
Denver 25, Colorado
January 4, 1960

Lucius Pitkin, Inc.
Western Uranium Project
Grand Junction, Colorado

Re: Docket No. DUA-2446 (Uranium)
Contract No. XM-4443
Hoosierang Mining Company
(Corpusite mine)
Grand County, Utah

Gentlemen:

We are in receipt of a check for $19.52 from the Survey Mining Company which they state is the amount due the Government for royalty on Liquidation No. 5041 (Trout shipment from Corpusite mine).

To complete our records, it is necessary that we have three copies of the settlement sheet for Liquidation No. 5041. Will you please forward this office three copies of the settlement sheet for Liquidation No. 5041.

Very truly yours,

[Signature]

Original signed by

J. W. Townsend
Executive Officer, ORE
Field Team, Region III

EMC:lim

Roy. Corres.
Chron.
Busp.
Building 20 - Federal Center  
Denver 25, Colorado  
December 11, 1959

CERTIFIED MAIL

Smuray Mining Company, Inc.  
P. O. Box 897  
Moab, Utah

Re: Docket No. INEA 2446 (Uranium)  
Contract IEA-5445  
Boomerang Mining Company  
(Corvusite mine)  
Grand County, Utah

Gentlemen:

In our letter of November 30, 1959, we requested that you forward this office three copies of the settlement sheet for Liquidation No. 9041.

Will you also please forward us two copies of the agreement which gives you the right to mine and remove ore from the patented property. We have copies of the mining lease between the Croff Oil Company, Lessee, and Crown Mining Company, Lessor, but we have nothing to show how Smuray Mining Company, Inc. obtained their interests in the property.

Very truly yours,

Original signed by

J. V. Townsend  
Executive Officer, CES  
Field Team, Region III

EM: Jtm

Roy. Corres. IEA45  
Chron.
### Certificate of Deposit

**Standard Form 219**

**Certificate of Deposit**

<table>
<thead>
<tr>
<th>Date of Deposit</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/30/59</td>
<td>$21.89</td>
</tr>
</tbody>
</table>

**Identification of Accountable Officer Affected**

<table>
<thead>
<tr>
<th>Office Deposit Symbol</th>
<th>City and State</th>
</tr>
</thead>
<tbody>
<tr>
<td>9013</td>
<td>Denver, Colorado</td>
</tr>
</tbody>
</table>

**Deposited with**

**Federal Reserve Bank of Kansas City, Mo., Denver, Colo.**

**Classification of Deposit**

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1144401</td>
<td>$21.89</td>
</tr>
</tbody>
</table>

**Department or Agency and Address**

<table>
<thead>
<tr>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office of Minerals Exploration</td>
</tr>
<tr>
<td>224 New Customhouse</td>
</tr>
<tr>
<td>Denver 2, Colorado</td>
</tr>
</tbody>
</table>

**Depositary**

<table>
<thead>
<tr>
<th>Date</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/30/59</td>
<td>[Authorized signature]</td>
</tr>
</tbody>
</table>

**Depositary will date, sign and forward to depositor for his retained copy.**
### Certificate of Deposit

**Identification of Accountable Officer Affected**

1. Office Deposit Symbol:  
   - Office Deposit Symbol: 44
   - Office at (city and state): Denver, Colorado

2. For Consolidated Abstract of Treasury Regional Office at (city and state):
   - 9013

3. The Sum of:
   - Deposited with Federal Reserve Bank of Kansas City, Mo., Denver, Colo.
   - Date sent: 10-19-59
   - Deposit No.: 44
   - The Sum of Deposited: 4,177.31

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X41001</td>
<td>4,177.31</td>
</tr>
</tbody>
</table>

4. Classification of Deposit

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>4,177.31</td>
</tr>
</tbody>
</table>

5. (5)  

6. Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

7. SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

<table>
<thead>
<tr>
<th>Depositor's name and location of depositary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Reserve Bank of Kansas City, Mo., Denver, Colo.</td>
</tr>
</tbody>
</table>

**Depository's Title, Department or Agency and address. If deposit is made to another accounting entity, identify in (6).**

- Office of Minerals Exploration  
  - 224 New Customhouse  
  - Denver 2, Colo.

**Depository will date, sign and forward to depositor for his retained copy.**

- Authorized signature:  
  - Date of credit in Treasurer's account: OCT 19 1959
HALT DEPT. 2
1959 OCT 19. FN 12 16
CERTIFICATE OF DEPOSIT
Standard Form 219

<table>
<thead>
<tr>
<th>Date sent</th>
<th>Deposit No.</th>
<th>Deposited with</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/15/59</td>
<td>148</td>
<td>Federal Reserve Bank of Kansas City, Mo., Denver, Colo.</td>
</tr>
</tbody>
</table>

Identification of Accountable Officer Affected

<table>
<thead>
<tr>
<th>Office Deposit Symbol</th>
<th>Deposit Symbol:</th>
</tr>
</thead>
<tbody>
<tr>
<td>9013</td>
<td>(2) For Consolidated Abstract of Treasury Regional Office at (city and state): Denver, Colo.</td>
</tr>
</tbody>
</table>

The Sum of

<table>
<thead>
<tr>
<th>Classification of Deposit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account Symbol</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>14X4401</td>
</tr>
</tbody>
</table>

Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

Office of Minerals Exploration
224 New Customhouse
Denver 2, Colo.

Depositor's Title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

Stanley Masgrave (Authorized signature)

May 15, 1959 (Date of credit in Treasurer's account)
**CERTIFICATE OF DEPOSIT**  
Standard Form 219

<table>
<thead>
<tr>
<th>Date sent</th>
<th>Office Deposit Symbol</th>
<th>For Consolidated Abstract of Treasury Regional Office at (city and state)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/16/59</td>
<td>123</td>
<td>Denver, Colo.</td>
</tr>
</tbody>
</table>

Deposited with: Federal Reserve Bank of Kansas City, Mo., Denver, Colo.  
(name and location of depositary)

<table>
<thead>
<tr>
<th>(4) Classification of Deposit</th>
<th>(5) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account Symbol</td>
<td>Amount</td>
</tr>
<tr>
<td>14X4401</td>
<td>$130.86</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

<table>
<thead>
<tr>
<th>(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office of Minerals Exploration 224 New Customhouse Denver 2, Colo.</td>
</tr>
</tbody>
</table>

Depositary will date, sign and forward to depositor for his retained copy.
$130.86

E-107A New Idria Mine
27.86

E-422 Development
62.94

E-415 Uranium
40.76

(Cooper Oil)

Boomerang

$100.00

2/19/59

RECEIVER MCR 19 1959

0 M. E.

OFFICIAL FILE COPY
CERTIFICATE OF DEPOSIT
Standard Form 219

2/19/59
(Date sent)

110
(Deposit No.)

Federal Reserve Bank of Kansas City, Mo., Denver, Colo.
(Name and location of depositary)

Deposit Symbol: 9013
(Department, Office at (city and state):
Denver, Colo.

(1) Office Deposit Symbol:

(2) For Consolidated Abstract of Treasury Regional Office at (city and state):

(3) The Sum of

(4) Classification of Deposit

(5) Defense Minerals Exploration Administration

224 New Customhouse
Denver 2, Colo.

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

1474401

$94.62

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(8) Authorized signature

DTOE

(FEB 2, 1959)

(Date of credit in Treasurer's account)

Depository will date, sign and forward to depositor.

(QA)
CERTIFICATE OF DEPOSIT
Standard Form 218

1/15/59

96

(Deposit No.)

(Deposit with)

Federal Reserve Bank of Kansas City, Mo., Denver, Colo.
(Name and location of depositary)

Deposit in

Federal Reserve Bank of Kansas City, Mo., Denver, Colo.
(Name and location of depositary)

(1) Office Deposit Symbol: 9013

(2) For Consolidated Abstract of Treasury Regional Office at (city and state):

Denver, Colo.

(3) The Sum of

$115.26

(4) Classification of Deposit

Account Symbol | Amount | Account Symbol | Amount

14X4401 | $115.26 | |

(5)

14-23-040

Defense Minerals Exploration Administration

224 New Customhouse
Denver 2, Colo.

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(Authorized signature)

Jan 5 1959

(Date of credit in Treasurer's account)

Depository will date, sign and forward to depositor.
**Certificate of Deposit**

**Standard Form 219**

<table>
<thead>
<tr>
<th>Date sent</th>
<th>(Deposit No.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/18/58</td>
<td>78</td>
</tr>
</tbody>
</table>

**Federal Reserve Bank of Kansas City, No. Denver, Colorado**

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1hXh401</td>
<td>229.28</td>
</tr>
</tbody>
</table>

**Identification of Accountable Officer Affected**

<table>
<thead>
<tr>
<th>(1) Office Deposit Symbol:</th>
<th>9013</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) For Consolidated Abstract of Treasury Regional Office at (city and state):</td>
<td>Denver, Colorado</td>
</tr>
<tr>
<td>(3) The Sum of</td>
<td>$229.28</td>
</tr>
</tbody>
</table>

**Classification of Deposit**

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Classification of Deposit**

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Department or Agency and address whose accounts are credited, IF OTHER THAN de-positing agency.**

<table>
<thead>
<tr>
<th>(5) Defense Minerals Exploration Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>22h New Custom House</td>
</tr>
<tr>
<td>Denver 2, Colorado</td>
</tr>
</tbody>
</table>

**Depositary will date, sign and forward to depositor for his retained copy.**

**Authorized Signature**

11/18/58

(Date of credit in Treasurer's account)
**CERTIFICATE OF DEPOSIT**

**Standard Form 219**

**Identification of Accountable Officer Affected**

- **Office Deposit Symbol:**
- **For Consolidated Abstract of Treasury Regional Office at (city and state):**

<table>
<thead>
<tr>
<th>Office at (city)</th>
<th>Denver, Colo.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>(1)</th>
<th>(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9013</td>
<td>Denver, Colo.</td>
</tr>
</tbody>
</table>

**Deposited with**

Federal Reserve Bank of Kansas City, No. Denver, Colo.

**Deposited with**

Federal Reserve Bank of Kansas City, No. Denver, Colo.

**Classified by**

Federal Reserve Bank of Kansas City, No. Denver, Colo.

**Depository**

Federal Reserve Bank of Kansas City, No. Denver, Colo.

**Depository**

Federal Reserve Bank of Kansas City, No. Denver, Colo.

**Department or Agency and address whose accounts are credited, if other than depositing agency:**

- **Department or Agency:**
- **Address:**

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>J 10.25</td>
<td>$17.25</td>
</tr>
<tr>
<td>J 10.25</td>
<td>$17.25</td>
</tr>
</tbody>
</table>

**The Sum of**

- **$16.25**

**Classification of Deposit**

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>J 10.25</td>
<td>$17.25</td>
</tr>
<tr>
<td>J 10.25</td>
<td>$17.25</td>
</tr>
</tbody>
</table>

**SPACE BELOW TO BE USED BY DEPOSITORY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.**

- **Date sent:** 11-30-58
- **Date of credit in Treasurer's account:** 12-15-58
- **Authorized signature:** Brenda Hager
- **Date:** 12-15-58
**CERTIFICATE OF DEPOSIT**

**Standard Form 219**

<table>
<thead>
<tr>
<th>Date sent</th>
<th>Deposit No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/30/58</td>
<td>68</td>
</tr>
</tbody>
</table>

Deposited with:

**Federal Reserve Bank of Kansas City, Mo., Denver, Colo.**

**Identification of Accountable Officer Affected**

<table>
<thead>
<tr>
<th>Office Deposit Symbol</th>
<th>For Consolidated Abstract of Treasury Regional Office at (city and state):</th>
</tr>
</thead>
<tbody>
<tr>
<td>9013</td>
<td>Denver, Colo.</td>
</tr>
</tbody>
</table>

**The Sum of $35.31**

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$35.31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Classification of Deposit**

- **Account Symbol**: 14-23-040
- **Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency**: Defense Minerals Exploration Administration
- **Depositary will date, sign and forward to depositor for his retained copy.**

**Defense Minerals Exploration Administration**

224 New Customhouse

Denver 2, Colo.

**Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).**

**Date of credit in Treasurer's account**: OCT 3 0 1968

**Authorized signature**: [Signature]

**I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for incollectible items included therein.**
CERTIFICATE OF DEPOSIT  
Standard Form 219

<table>
<thead>
<tr>
<th>Date sent</th>
<th>Deposit No.</th>
<th>Deposited with</th>
<th>(Name and location of depositary)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/13/58</td>
<td>59</td>
<td>Federal Reserve Bank of Kansas City, No., Denver, Colo.</td>
<td>$2,131.09</td>
</tr>
</tbody>
</table>

(3) The Sum of

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$2,131.09</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(4) Classification of Deposit

(5)

14-23-040  
Defense Minerals Exploration Administration  
224 New Customhouse  
Denver 2, Colo.

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.  

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States for the date shown, subject to adjustment for uncollectible items included therein.

(1) Office Deposit Symbol: 9013  
(2) For Consolidated Abstract of Treasury Regional Office at (city and state): Denver, Colo.

(3) The Sum of

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2,131.09</td>
</tr>
</tbody>
</table>

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States for the date shown, subject to adjustment for uncollectible items included therein.

Defense Minerals Exploration Administration  
224 New Customhouse  
Denver 2, Colo.

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(5)

14-23-040  
Defense Minerals Exploration Administration  
224 New Customhouse  
Denver 2, Colo.

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States for the date shown, subject to adjustment for uncollectible items included therein.

Defense Minerals Exploration Administration  
224 New Customhouse  
Denver 2, Colo.

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States for the date shown, subject to adjustment for uncollectible items included therein.
<table>
<thead>
<tr>
<th></th>
<th>E-908</th>
<th>B-445</th>
<th>E-984</th>
<th>E-1095</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>$1,549.35</td>
<td>$2,391.20</td>
<td>$269.14</td>
<td>$1,73.20</td>
</tr>
<tr>
<td>Exploration</td>
<td>Boomergang (Guff 011)</td>
<td>Pinnacle Exploration</td>
<td>Modern Mines</td>
<td></td>
</tr>
</tbody>
</table>

**Received Oct 16, 1958**
O. M. E.
Official File Copy
CERTIFICATE OF DEPOSIT
Standard Form 219

9/12/58  43
(Date sent)  (Deposit No.)

Deposited with:
Federal Reserve Bank of Kansas City, Mo., Denver, Colo.
(Name and location of depositary)

$ 3,469.16
(The Sum of)

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$3,469.16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(4) Classification of Deposit

(5)

14-23-040
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Depositor’s title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

[Signature]
(Authorized signature)

SEPT 2 1958
(Date of credit in Treasurer’s account)
8/19/58

Federal Reserve Bank of Kansas City, Mo., Denver, Colo.

<table>
<thead>
<tr>
<th>Classification of Deposit</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$1,671.12</td>
</tr>
</tbody>
</table>

30 9013

Denver, Colo.

$1,671.12

Defense Minerals Exploration Administration
22½ New Customhouse
Denver, Colo.

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Authorized signature

8/19/58 (Date of credit in Treasurer's account)
CERTIFICATE OF DEPOSIT
Standard Form 219

18

(1) Office Deposit Symbol:
9013

(2) For Consolidated Abstract of Treasury Regional Office at (city and state):
Denver, Colorado

(3) The Sum of
$198.11

Deposited with
Federal Reserve Bank of Kansas City, No. Denver, Colo.

(Name and location of depositary)

(4) Classification of Deposit

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>11x1h01</td>
<td>198.11</td>
</tr>
</tbody>
</table>

(5) Account Symbol

[11-23-040]
Defense Minerals Exploration Administration
2214 New Custom House
Denver 2, Colorado

(6) Department or Agency and address whose accounts are credited, if OTHER THAN depositing agency.

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

[Signature]

(Authorized signature) 7/30/58

(Date of credit in Treasurer's account)

Depositary will date, sign and forward to depositor for his retained copy.
CERTIFICATE OF DEPOSIT
Standard Form 219

7/15/58
(Date sent)
Office Deposit Symbol: 8
(Deposit No.)

FEDERAL RESERVE BANK OF KANSAS CITY, MO., DENVER, COLO.
(Name and location of depository)

Deposited with:

14X4401 $4,781.44

(4) Classification of Deposit

Account Symbol  Amount  Account Symbol  Amount

(5)

14-23-040

Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identity in (6).

Marjorie G. Allenby

(Authorized signature)

JUL 15 1958
(Date of credit in Treasurer's account)

Depositary will date, sign and forward to depositor for his retained copy.

(3) The Sum of
$4,781.44

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

MARGOIN

(2) For Consolidated Abstract of Treasury Regional Office at (city and state): Denver, Colo.

(1) Office Deposit Symbol: 9013

For Certificate of Deposit No. 7, dated July 14, 1958,
giving royalty payment of $82.10, see E-440.
CERTIFICATE OF DEPOSIT
Standard Form 219

Identification of Accountable Officer Affected

(1) Office Deposit Symbol: 9013
(2) For Consolidated Abstract of Treasury Regional Office at (city and state): Denver, Colo.

(3) The Sum of
$1,381.80

Deposited with:
Federal Reserve Bank of Kansas City, Mo., Denver, Colo.

(Date sent) 7/2/58	 Deposit No. 902.3

The Sum of
Deposited

(Name and location of depositary)
Federal Reserve Bank of Kansas City, Mo., Denver, Colo.

(4) Classification of Deposit

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$1,381.80</td>
</tr>
</tbody>
</table>

(5) Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Depositor’s title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Authorized signature

(Date of credit in Treasurer’s account) 7/2 - 1958

Depositary will date, sign and forward to depositor for his retained copy.
<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$2,840.43</td>
<td></td>
<td>$</td>
</tr>
</tbody>
</table>

(5) 14-23-040
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(7) SPACE BELOW TO BE USED BY DEPOSITORY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

<table>
<thead>
<tr>
<th>Authorized signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dick Adams</td>
</tr>
</tbody>
</table>

(Date of credit in Treasurer's account)
Development Corporation
E-1095 Modern Mines
5-933 Road Rancherry
E-939: San Jacinto
E-1030 Grapevine Mines
(Croft Oil)
E-445 Boom Range

Project: D.M.A. 16
358

M.D. 4/27/72

DRAFT THE COPY
CERTIFICATE OF DEPOSIT

Identification of Accountable Officer Affected

1 Office Deposit Symbol: 9013
2 For Consolidated Abstract of Treasury Region Office at (city and state): Denver, Colo.

(3) The Sum of $2,372.88

Federal Reserve Bank of Kansas City, Mo., Denver, Colo.

(Name and location of depositary)

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$2,372.88</td>
<td></td>
<td>$</td>
</tr>
</tbody>
</table>

(4) Classification of Deposit

(5) Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Depositor's title, Department or Agency and address. If deposit is made for another accounting entity, identify in (6).

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(7) Depositary will date, sign and forward to depositor his retained copy.

Date of credit: MAY 25, 1958
<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$383.22</td>
<td></td>
<td>$</td>
</tr>
</tbody>
</table>

(5) 14-23-040  
Defense Minerals Exploration Administration  
224 New Customhouse  
Denver 2, Colorado

(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.

(7) SPACE BELOW TO BE USED BY DEPOSITARY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Authorized signature: [Signature]

Date of credit in Treasurer's account: MAY 16 1958

Depositary will date, sign and forward to depositor.
For Certificate of Deposit No. 133, dated May 13, 1958, giving royalty payment of $96.68, see E-4.
CERTIFICATE OF DEPOSIT
Standard Form 219

5/2/58
(Date sent)

326
(Deposit No.)

Deposited with
Federal Reserve Bank of Kansas City, No., Denver, Colo.
(Name and location of depository)

Identification of Accountable Officer Affected

<table>
<thead>
<tr>
<th>Office Deposit Symbol:</th>
<th>9013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office at (city and state):</td>
<td>Denver, Colo.</td>
</tr>
</tbody>
</table>

The Sum of $ 46.52

<table>
<thead>
<tr>
<th>Account Symbol</th>
<th>Amount</th>
<th>Account Symbol</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>14X4401</td>
<td>$ 46.52</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Department or Agency and address whose accounts are credited, if other than depositing agency.

<table>
<thead>
<tr>
<th>14-23-040</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defense Minerals Exploration Administration</td>
</tr>
<tr>
<td>224 New Customhouse</td>
</tr>
<tr>
<td>Denver 2, Colorado</td>
</tr>
</tbody>
</table>

Depositor's title, department or agency and address. If deposit is made for another accounting entity, identify in (6).

Depositary will date, sign and forward to depositor.

MAY 2 - 1958
(Date of credit in Treasurer's account)
**CERTIFICATE OF DEPOSIT**
Standard Form 219

<table>
<thead>
<tr>
<th>(1) Office Deposit Symbol:</th>
<th>(2) For Consolidated Abstract of Treasury Regional Office at (city and state):</th>
</tr>
</thead>
<tbody>
<tr>
<td>116</td>
<td>Denver, Colo.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(3) The Sum of</th>
<th>$ 2,191.43</th>
</tr>
</thead>
</table>

**Deposited with:**
Federal Reserve Bank of Kansas City, Mo., Denver, Colo.

<table>
<thead>
<tr>
<th>(4) Classification of Deposit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Account Symbol</strong></td>
</tr>
<tr>
<td>14X4401</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(5)</th>
<th>14-23-040</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Defense Minerals Exploration Administration</strong></td>
<td></td>
</tr>
<tr>
<td>224 New Customhouse</td>
<td></td>
</tr>
<tr>
<td>Denver 2, Colorado</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(6) Department or Agency and address whose accounts are credited, IF OTHER THAN depositing agency.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-23-040</td>
</tr>
<tr>
<td>Defense Minerals Exploration Administration</td>
</tr>
<tr>
<td>224 New Customhouse</td>
</tr>
<tr>
<td>Denver 2, Colorado</td>
</tr>
</tbody>
</table>

(7) SPACE BELOW TO BE USED BY DEPOSITORY ONLY. I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

<table>
<thead>
<tr>
<th>(Authorized signature)</th>
<th>APR 1 C 1959</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Signature]</td>
<td></td>
</tr>
</tbody>
</table>

Depositary will date, sign and forward to depositor for his retained copy.
For Certificate of Deposit No. 84, dated January 27, 1958, giving royalty payment of $13.58, see E-440.
For Certificate of Deposit No. 73, dated December 30, 1957, giving royalty payment of $13.80, see E-440.
For Certificate of Deposit No. 69, dated December 12, 1957, giving royalty payment of $31.45, see E-440.
For Certificate of Deposit No. 32, dated September 12, 1957, giving royalty payment of $31.56, see E-440.
For Certificate of Deposit No. 17, dated August 13, 1957, giving royalty payment of $55.74, see E-381.
For Certificate of Deposit No. 10, dated July 29th 1957,
giving royalty payment of $186.48, see E-440.
I have reviewed the files of the Executive Officer, DMEA Field Team, Region III, Denver, Colorado, pertaining to Contract 16-445, Docket No. DMEA-2446 (Uranium) dated November 4, 1952, including Amendments Nos. 1 through 5, with

Boomerang Mining Company, Original Contractor
Croft Oil Company, Present Owner
309 Uranium Center Building
Grand Junction, Colorado.

for the purpose of determining the amount of royalties due the United States Government on sale of Uranium-Vanadium ores from the Corvusite Mine in Grand County, Utah, during the period March 22, 1956, to July 2, 1957.

The status of the project, scope of the review, and reasons therefor are stated on Page 2.

My review established the total sales of Uranium-Vanadium ores for this period to be $13,311.22. Royalty due the U. S. Government at the contract rate of 5% is $665.55. A prior Report of Royalty Review made by Donald T. Finch for the period November 4, 1952 through March 21, 1956, stated the sales of Uranium-Vanadium ore to be $104,676.84, and the royalty at 5% to be $5,233.85. The Auditor stated the royalty account as follows:

<table>
<thead>
<tr>
<th>Total Royalty Due</th>
<th>$5,233.85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Paid</td>
<td>$4,768.84</td>
</tr>
<tr>
<td>Balance of Royalty Due</td>
<td>$465.01</td>
</tr>
</tbody>
</table>

As of July 2, 1957, the royalty account of the project was found to be:

<table>
<thead>
<tr>
<th>Total Royalty Due</th>
<th>$5,899.40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Paid</td>
<td>$5,899.40</td>
</tr>
<tr>
<td>Balance of Royalty Due</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

August 19, 1957

Donald T. Finch, Auditor
A Certificate of Discovery or Development was issued on November 2, 1953, and in accordance with the contract, royalty is payable on the net smelter returns or other net proceeds realized from production as a result of such discovery or development during a maximum period of 10 years from the date of the contract. A Report of Review in lieu of a final audit, dated February 23, 1954, indicated accepted costs under the exploration contract amounting to $23,820.08 with Government's contribution, on a 90 percent basis, being $21,438.07.

During the period covered by this second Report of Royalty Review the property was operated by the present owner, the Croft Oil Company, the Cordillera Mining Company, Lessee, and the Crown Mining Company, Lessee. Correspondence with the Field Operations Office, Atomic Energy Commission, Grand Junction, Colorado, revealed that office had no record of any production during the period September 7, 1956 to May 27, 1957.

My review included a tabulation and recomputation of all ore sales settlement sheets in the files of the Executive Officer, DMAA Field Team, Region III, for the period March 22, 1956 to July 2, 1957. The Operator's reported sales to DMAA were reconciled with the production records maintained by A.E.C. Royalties paid were reconciled with the records of the DMAA Finance Office, Denver, Colorado.

The review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

1. The Examining Engineer is of the opinion that all sales of production are being properly accounted for.

2. The administrative cost to the Government of an on-site audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.
### Schedule No. 1

#### Boomerang Mining Company

**Schedule of Production, Sales and Royalties**

<table>
<thead>
<tr>
<th>Period</th>
<th>Balance Per Prev. Audit</th>
<th>Croft Oil Company, Present Owner.</th>
<th>Cordillera Mining Co. (Lessee)</th>
<th>Crown Mining Co. (Lessee)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Weight, Pounds</td>
<td>4,966,160</td>
<td>256,250</td>
<td>61,760</td>
<td>360,750</td>
<td>5,644,920</td>
</tr>
<tr>
<td>Dry Weight, Pounds</td>
<td>4,610,693</td>
<td>238,218</td>
<td>58,850</td>
<td>335,114</td>
<td>5,242,905</td>
</tr>
<tr>
<td>Dry Weight, Tons</td>
<td>2,305.346</td>
<td>119.120</td>
<td>29.420</td>
<td>165.570</td>
<td>2,621.465</td>
</tr>
<tr>
<td>Assays (Average)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uranium U3O8</td>
<td>.328</td>
<td>.2958</td>
<td>.19</td>
<td>.365</td>
<td>.327</td>
</tr>
<tr>
<td>Vanadium V2O5</td>
<td>1.5939</td>
<td>1.5487</td>
<td>1.19</td>
<td>1.751</td>
<td>1.597</td>
</tr>
<tr>
<td>Pounds U3O8</td>
<td>15,123.24</td>
<td>704.60</td>
<td>111.95</td>
<td>1,223.84</td>
<td>17,163.63</td>
</tr>
<tr>
<td>Base Payment U3O8</td>
<td>$52,976.67</td>
<td>$2,665.12</td>
<td>$362.18</td>
<td>$4,353.85</td>
<td>$59,988.42</td>
</tr>
<tr>
<td>Development Allowance</td>
<td>$7,561.70</td>
<td>$352.32</td>
<td>$55.98</td>
<td>$611.93</td>
<td>$8,581.93</td>
</tr>
<tr>
<td>Premiums</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excess 4 lbs. U3O8 per ton</td>
<td>5,964.71</td>
<td>228.13</td>
<td>2.98</td>
<td>533.96</td>
<td>6,749.38</td>
</tr>
<tr>
<td>Amount @ 75¢ per lb.</td>
<td>$4,173.64</td>
<td>$171.09</td>
<td>$2.24</td>
<td>$415.18</td>
<td>$5,062.15</td>
</tr>
<tr>
<td>Excess 10 lbs. U3O8 per ton</td>
<td>177.77</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>177.77</td>
</tr>
<tr>
<td>Amount @ 25¢ per lb.</td>
<td>$44.44</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>$44.44</td>
</tr>
<tr>
<td>Haulage Allowance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Wet Tons</td>
<td>2,483.08</td>
<td>128.125</td>
<td>30.88</td>
<td>180.375</td>
<td>2,822.46</td>
</tr>
<tr>
<td>Per Wet Ton (Average)</td>
<td>7.20</td>
<td>4.83</td>
<td>4.20</td>
<td>4.20</td>
<td>6.87</td>
</tr>
<tr>
<td>Amount</td>
<td>$17,875.63</td>
<td>$619.34</td>
<td>$129.70</td>
<td>$757.57</td>
<td>$19,382.24</td>
</tr>
<tr>
<td>Pounds of V2O5</td>
<td>73,491.86</td>
<td>3,689.17</td>
<td>699.20</td>
<td>5,868.03</td>
<td>83,748.26</td>
</tr>
<tr>
<td>Amount V2O5 @ 31¢ per lb.</td>
<td>$22,782.49</td>
<td>$1,143.65</td>
<td>$216.75</td>
<td>$1,819.10</td>
<td>$25,961.99</td>
</tr>
<tr>
<td>High Line Penalty</td>
<td>$737.73</td>
<td>$75.78</td>
<td>$18.60</td>
<td>-</td>
<td>$833.11</td>
</tr>
<tr>
<td>Total Subject to DMEA Royalty</td>
<td>$104,676.84</td>
<td>$4,675.74</td>
<td>$748.25</td>
<td>$7,887.23</td>
<td>$117,988.06</td>
</tr>
<tr>
<td>Average Value per Ton</td>
<td>$45.41</td>
<td>$39.25</td>
<td>$25.43</td>
<td>$47.07</td>
<td>$45.01</td>
</tr>
<tr>
<td>DMEA Royalty Percentage</td>
<td>5%</td>
<td>5%</td>
<td>5%</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>DMEA Royalty Due</td>
<td>$5,233.85</td>
<td>$233.77</td>
<td>$37.41</td>
<td>$394.37</td>
<td>$5,899.40</td>
</tr>
<tr>
<td>DMEA Royalty Received</td>
<td>$4,768.84</td>
<td>$698.78</td>
<td>$37.41</td>
<td>$394.37</td>
<td>$5,899.40</td>
</tr>
<tr>
<td>Balance Due (1)</td>
<td>$465.01</td>
<td>$65.01</td>
<td>-</td>
<td>-</td>
<td>$465.01</td>
</tr>
</tbody>
</table>

Note: The last liquidation settlement sheet in above data is Climax No. 4 dated 7/2/57. The last Certificate of Deposit is CD 53-6 dated 7/12/57.

Note: According to letter dated October 6, 1955, from Robert W. Scott, Chief, Accounting Section, Finance Division, U. S. Atomic Energy Commission, Grand Junction, Colo., this group of claims was not eligible for the initial production bonus.
Check Sheet of Examining Engineer

Operator's Name: Croft Oil Company, Successor to Documer Mining Company

Address: P. O. Box 52

Grand Junction, Colorado

Exploration Contract No. D-54-5665  Docket No. DMEA-S-52

---

1. (a) Does the Operator stockpile ore subject to royalty repayment?
   (b) If so, is segregation and identification procedure adequate?

2. (a) Does Operator commingle production subject to DMEA royalties with exempt production?
   (b) If so, do you consider the allocation of the commingled production equitable?

3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?
   (b) If so, are adequate records maintained on such material to protect the Government's interest?

4. Do you consider the assay controls in effect are adequate?

5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns?

6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?

7. Does the Operator buy from or sell to other Operators?

8. Comment on any item 2 (b) to 6 if answer is No.

---

In examining the property and talking to the mine foreman, F. O. McRae, it appears that shipments were made during the period Sept. 7, 1956, to May 27, 1957. However, no shipments are recorded for this period.

Date: August 14, 1957

Mining Engineer
Mr. Donald T. Finch  
DMMA Auditor  
224 New Customhouse Building  
Denver 2, Colorado

Re: Second Report of Royalty Review  
Ido-2445, DMMA-2446 (Uranium)  
Boomerang Mining Company

Dear Mr. Finch:

Second Report of Royalty Review pertaining to the subject contract has been changed and supplemented by this office as follows:

1. The date of the certificate of discovery or development in the second line on page 2 has been corrected to 1952.

2. An additional note has been added to Schedule No. 1, as follows:

"Note: According to letter dated October 6, 1955, from Robert W. Scott, Chief, Accounting Section, Finance Division, U. S. Atomic Energy Commission, Grand Junction, Colo., this group of claims was not eligible for the initial production bonus."

With these changes the report is approved.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director  
Contract Administration  
and Audit Division

CEfisher/wb  
August 26, 1957

Copy to: Docket  
Admr. Reading File  
Mr. Chambers
For Certificate of Deposit No. 6, dated July 12, 1957, giving royalty payment of $138.34, see E-408.
Mr. T. W. Breding  
M.S. Auditor  
222 New Customhouse  
Provo 2, Colorado

Re: Pocket No. 732-2446  
Contract No. IDU-2445  
Economex Mining Company  
Corvusite Mine  
Grand County, Utah

Dear Mr. Breding:

In answer to your letter of July 1, 1957, in regard to the above-cited contract, I will leave it up to your judgment as to whether an on-site audit is necessary in this case. It appears to me, however, it would not be.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director  
Contract Administration and Audit Division

JLChambers/emc  
July 16, 1957

Copy to: Pocket  
Adm'r, Reading File  
Mr. Chambers
Mr. J. L. Chambers, Chief  
Contract Administration and Audit Division  
Defense Minerals Exploration Administration  
Washington 25, D. C.

Re: Docket No. DMEA-2446  
Contract No. Idm-E445  
Boomerang Mining Co.  
Corvusite Mine  
Grand County, Utah

Dear Mr. Chambers:

I deferred action on your letter of June 21, 1957, regarding a suggested on-site royalty audit of subject contract until Don's return, as he is more familiar with this particular situation than I am.

He points out that the only place production may be disposed of in the instant case, is to A.E.C. We are in a position to definitely verify shipments of ore produced from this claim by any company. This information, plus the six months examination by the engineer, will give us a practically air tight tie-up on production.

If in your judgment we should make an on-site audit, we will schedule it probably in August.

Sincerely yours,

T. H. Brading, DMEA Auditor
Mr. Thomas H. Brading  
DMEA Auditor  
224 New Courthouse Building  
Denver 2, Colorado

Re: Docket No. DMEA-2446  
Contract No. XM-4445  
Bonneville Mining Company  
Cordiller Mining Company  
Grand County, Utah

Dear Mr. Brading:

A review of the Washington office file pertaining to the subject contract indicates that some of the claims included in such contract are currently under lease to Crams Mining Company and that royalty on production by that company has been paid to DMEA by Graft Oil Company. The file also indicates that Cordiller Mining Company may have operated the property for a period of time and that there is an unexplained lapse of time, from September 6, 1956, to May 26, 1957, in the record of production from the property.

Mr. Finch has prepared a report of royalty review pertaining to this contract for the period ended March 21, 1956. It would appear desirable to bring the period covered by audit to date and that an on-site audit rather than a royalty review is in order.

Will you please arrange to fit this into either yours or Mr. Finch's audit schedule.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director  
Contract Administration  
and Audit Division

CEFisher/vb  
June 21, 1957

Copy to: Docket  
Admr. Reading File  
Mr. Chambers
For Certificate of Deposit No. 173, dated June 27, 1957, giving royalty payment of $88.41, see E-440.
For Certificate of Deposit No. 166, dated June 12, 1957,
giving royalty payment of $65.12, see E-440.
<table>
<thead>
<tr>
<th>ACCOUNT SYMBOL</th>
<th>TITLE OF ACCOUNT TO BE CREDITED</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>302J01</td>
<td>Defence Minerals Exploration Administration</td>
<td>102.50</td>
</tr>
</tbody>
</table>

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

6/3/57

(Date of credit in Treasurer's account)

Authorized signature

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY
For Certificate of Deposit No. 53, dated October 16, 1956, giving royalty payment of $465.01, see E-53.
Mr. Frank A. Woodward  
Rocanaway Mining Company  
P. O. Box 58  
Grand Junction, Colorado  

Re:  Docket No. DMEA-2646 (Uranium)  
Contract No. ICM-2445  
Corvanite Mine  
Grand County, Utah  

Dear Mr. Woodward:

Reference is made to W. M. Trower's letters to you, dated June 6, July 5, and August 3, 1956, requesting payment of $465.01 in back royalties due the Government under the subject Contract. These royalties were accumulated prior to your transfer of the property to the Croff Oil Company.

Since you have failed to respond to Mr. Trower's request for payment, the matter has been referred to this office for consideration. Based upon our view of the matter, it is requested that you promptly remit the amount due to Mr. Trower at Denver as there is no valid reason for not doing so. In this regard, your attention is directed to our letters of April 26 and June 7, 1956, outlining our requirements for an Operator making "suitable provision" for the Government's royalty.

It is not within the authority of this Administration to postpone indefinitely such action as may be necessary to collect amounts properly due the Government. Accordingly, we must advise you that, unless payment of the sum of $465.01 is received within thirty days from the date of this letter, it will be necessary to refer the matter to the Attorney General of the United States for collection action.

Sincerely yours,

C. O. Mittendorf  

Administrator

Copy to: Mr. Maxwell Bentley  
Secretary and Treasurer  
Croff Oil Company  

MChing/WCRubin/wog--Sept. 28, 1956  
Copy to: JMcCrawford/3643  
THHiilsgaard/5224
THIS DEPOSIT IS NOT SUBJECT TO CHECK

For credit to: Treasury Regional Office, Denver, Colo.  
9/12/56  
(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration  
224 New Custom House  
Denver 2, Colorado

Schedule Nos.  
ACCOUNT SYMBOL  TITLE OF ACCOUNT TO BE CREDITED  AMOUNT

1TX4401  

Space below to be used by depositor only  
I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for incollectible items included therein.

Authorized signature  
9/12/56  
(Date of credit in Treasurer's account)

Depositary will date, sign, and return this to depositor for his retained copy
<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hunter</td>
<td>E-675</td>
<td>Murphy and Co.</td>
</tr>
<tr>
<td>Footlights</td>
<td>E-866</td>
<td></td>
</tr>
<tr>
<td>Olimax Urn</td>
<td>E-815</td>
<td></td>
</tr>
<tr>
<td>1.5 W. Watch</td>
<td>E-925</td>
<td></td>
</tr>
<tr>
<td>Neptune</td>
<td>E-703</td>
<td></td>
</tr>
<tr>
<td>Hamilton Hills, etc.</td>
<td>E-812</td>
<td>279.52</td>
</tr>
</tbody>
</table>
THIS DEPOSIT IS NOT SUBJECT TO CHECK

For credit  413 Treasury Regional Office, Denver, Colo.  8/28/56

(Name, title, and disbursing or other identification symbol of accountable officer)  (date sent)

deposited with Federal Reserve Bank of Kansas City, No. Denver, Colo.

(Name and location of depositary)

for accounts listed below.

<table>
<thead>
<tr>
<th>ACCOUNT SYMBOL</th>
<th>TITLE OF ACCOUNT TO BE CREDITED</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>4111401</td>
<td></td>
<td>$1,369.03</td>
</tr>
</tbody>
</table>

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Custom House
Denver 2, Colorado

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

(Authorized signature)

8/28/56

(Date of credit in Treasurer's account)
THIS DEPOSIT IS NOT SUBJECT TO CHECK

For credit of Treasury Regional Office, Denver, Colo. 7/12/50

Deposited with Federal Reserve Bank of Kansas City, To. Denver, Colo.

<table>
<thead>
<tr>
<th>ACCOUNT SYMBOL</th>
<th>TITLE OF ACCOUNT TO BE CREDITED</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/401</td>
<td></td>
<td>$475.85</td>
</tr>
</tbody>
</table>

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
2246 New Custom House
Denver 2, Colorado

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

7/12/50

(Date of credit in Treasurer's account)

DEPOSITORY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY
For Certificate of Deposit No. 140, dated June 13, 1956, giving royalty repayment of $15.79, see E-360.
I have reviewed the files of the Executive Officer, DOEA Field Team, Region III, Denver, Colorado pertaining to Contract ID-2445, Docket No. DOEA-2445 (Uranium) dated November 4, 1952, including Amendments Nos. 1 through 5, with

Amerada-Hess Corporation, Original Contractor,
Columbia Havill Consolidated Mines Company, Lessee
Craft Oil Company, Present Owner
309 Uranium Center Building
Grand Junction, Colorado

for the purpose of determining the amount of royalties due the United States Government on sales of carnitite ore from the Carnitite Mine in Grand County, Utah, during the period November 4, 1952 through March 21, 1956.

A Certificate of Discovery or Development was issued on November 2, 1955, and in accordance with the contract, royalty is payable on the net smelter returns or other net proceeds realized from production as a result of such discovery or development during a maximum period of 10 years from the date of the contract. A Report of Review in lieu of final audit dated February 23, 1954, indicated accepted costs under the exploration contract amounting to $23,820.08 with the Government's contribution, on a 90 percent basis, being $21,438.07. The scope of review and the reasons therefor are stated on page 2.

My review established the total net sales of carnitite ore to be $104,676.84. (See Schedule No. 1 attached.) Royalty due the United States Government at the contract rate of 5 percent is $5,233.85. The royalty paid and balance due (see Schedule No. 2 attached) is as follows:

<table>
<thead>
<tr>
<th>Total Royalty Due</th>
<th>$5,233.85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Royalty Received</td>
<td>6,768.84</td>
</tr>
<tr>
<td>Balance of Royalty Due</td>
<td>665.01</td>
</tr>
</tbody>
</table>

April 12, 1956

Donald T. Finley, Auditor
DESCRIPTION OF THE REVIEW
AND STATEMENT OF JUSTIFICATION

CONTRACT JEM-9446

My review included a tabulation and re-computation of all ore sales
settlement sheets; a conference with Mr. W. E. Young, Mining Engineer, U.S.B.M.,
examining engineer for the project; a reconciliation of total U3O8 sales with
A.E.C. Field Operations Office at Grand Junction, Colorado; and a reconciliation
of royalty receipts with the records of the Finance Office, Region III.

The review was made in lieu of an on-site audit of the Operator's ac-
counts and records for the following reasons:

The Examining Engineer is of the opinion that all sales of production
are being properly accounted for.

The administrative cost to the Government of an on-site audit at this
time would be excessive in relation to the amount of possible additional royalty
which might be disclosed.
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Columbus</th>
<th>Croft Co.</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Columba</td>
<td>1/1/52</td>
<td>1/1/52</td>
<td>1/1/52</td>
</tr>
<tr>
<td>Croft Co.</td>
<td>1/1/52</td>
<td>1/1/52</td>
<td>1/1/52</td>
</tr>
<tr>
<td>Gross Weight, Pounds</td>
<td>16,280</td>
<td>2,147,280</td>
<td>2,413,170 1,636,680 3,083,290 4,967,160 4,660,990 9,328,160</td>
</tr>
<tr>
<td>Dry Weight, Pounds</td>
<td>19,620</td>
<td>2,289,720</td>
<td>2,489,340 1,909,728 3,899,468 7,361,908 6,305,248 13,607,156</td>
</tr>
<tr>
<td>Dry Weight, Tons</td>
<td>1,134,720</td>
<td>1,134,720</td>
<td>2,269,440 1,909,728 3,899,468 7,361,908 6,305,248 13,607,156</td>
</tr>
</tbody>
</table>

**Account (Announced)**

| Series 859     | $47.63  | $349.46  | $397.09  | $278.56  | $693.22  | $921.78  | $4,609.84 |
| Series 904     | 2.04    | 1.7322   | 1.7322   | 1.39     | 1.7322   | 1.7322   | 3.4644   |
| Series 19      | 118.15  | 1,079.79 | 1,079.79 | 960.17   | 1,079.79 | 1,079.79 | 2,159.57 |
| Rate Payment   | $49.96  | $283.74  | $333.70  | $234.51  | $333.70  | $333.70  | $667.40  |
| Development Allowances       | 41.97   | 41.97    | 41.97    | 33.11    | 41.97    | 41.97    | 83.94    |

**Progress**

| Series A Pla. Paltry and Ten | $47.63  | 3,728.66 | 3,766.49 | 1,040.97 | 1,148.93 | 5,964.72 |
| Amount 9 750 Lb.             | $35.09  | $2,789.09 | $2,824.92 | $787.44  | $682.91  | $4,472.64 |
| Series 30 Pla. Paltry and Ten | $76.00  | 76.00    | 76.00    | 201.77   | 201.77   | 403.54   |
| Amount 9 250 Lb.             | $19.00  | $19.00   | $19.00   | $35.44   | $35.44   | $70.88   |

**Handling Allowances**

| Series 859 Average 10.32     | 2.25    | 7.85    | 7.78    | 6.276    | 7.20    |
| Number of Net Tons 0.15      | 1,233.945| 1,233.945| 1,233.945| 808.321  | 441.495 | 2,483.02 |

| Series 904                   | $762.31  | $44,922.42 | $48,684.93 | $6,423.68 | $8,772.02 | $1,767.63 |
| Amount Vgdy by 214 Lb.       | $203.21  | 39,332.48  | 39,535.70  | 19,436.03 | 19,436.03 | 73,872.06 |
| High Line Period             | $111.46  | $1,111.46  | $1,111.46  | $482.04   | $97.99    | $2,064.41 |
| Total Receiving Station Payments | $995.67  | $55,648.92 | $57,644.99 | $28,696.77 | 128,765.68 | $104,676.64 |

**A.B.O. Rejection**

<table>
<thead>
<tr>
<th>Oats</th>
<th>Home Not Eligible</th>
<th>11,123.945</th>
<th>11,123.945</th>
<th>11,123.945</th>
<th>11,123.945</th>
<th>11,123.945</th>
<th>11,123.945</th>
<th>11,123.945</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Value Per Ton</td>
<td>$43.97</td>
<td>$43.97</td>
<td>$43.97</td>
<td>$43.97</td>
<td>$43.97</td>
<td>43.97</td>
<td>43.97</td>
<td></td>
</tr>
<tr>
<td>0.15 Pla. Paltry</td>
<td>$2,043.94</td>
<td>$2,043.94</td>
<td>$2,043.94</td>
<td>$2,043.94</td>
<td>$2,043.94</td>
<td>$2,043.94</td>
<td>$2,043.94</td>
<td></td>
</tr>
</tbody>
</table>

**Balance Due**

$5,233.08

**Balance Due**

For Fuller details, please see the document.
**Schedule of Royalties Due**

From: Resources Mining Company

Union Carbide Nuclear Company — successor to Uranium Corporation of America

<table>
<thead>
<tr>
<th>Year</th>
<th>Lease Number</th>
<th>Gross Value</th>
<th>Royalty Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>1953</td>
<td>2677</td>
<td>83,360.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>67,340.40</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,897.07</td>
<td>64.85</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3,887.43</td>
<td>134.37</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2,397.39</td>
<td>117.07</td>
</tr>
</tbody>
</table>

**Total**

<table>
<thead>
<tr>
<th>Year</th>
<th>Lease Number</th>
<th>Gross Value</th>
<th>Royalty Due</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>548</td>
<td>334.86</td>
<td>16.74</td>
</tr>
<tr>
<td></td>
<td>563</td>
<td>360.85</td>
<td>18.40</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>$9,200.40</strong></td>
<td><strong>$466.01</strong></td>
</tr>
</tbody>
</table>

SCHEDULE NO. 2

Contract No.: 710-5145

Resource Mining Company

Plant No.: ZIN-A-2146
Check Sheet of Examining Engineer

Operator's Name: Craft Oil Company, Successor to Cowboy Mining Company
Address: P.O. Box 52, Grand Junction, Colorado

Exploration Contract No. IDM-8443
Docket No. DMEA-2446

1. (a) Does the Operator stockpile ore subject to royalty repayment?

(b) If so, is segregation and identification procedure adequate?

2. (a) Does Operator commingle production subject to DMEA royalties with exempt production?

(b) If so, do you consider the allocation of the commingled production equitable?

3. (a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?

(b) If so, are adequate records maintained on such material to protect the Government's interest?

4. Do you consider the assay controls in effect are adequate?

5. Do you consider that the manner of disposing of production gives the Government its fair royalty returns?

6. Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?

7. Does the Operator buy from or sell to other Operators?

8. Comment on any item 2 (b) to 6 if answer is No.

Date: Apr. 23, 1956

W.E. Young
Mining Engineer
MAY 31 1956

Mr. Donald T. Finch
DEMA Auditor
224 New Customs House Building
Denver 2, Colorado

Re: First Report of Royalty Review
Became Mining Company
ID-2145, DEMA-2446

Dear Mr. Finch:

Receipt is acknowledged of your First Report of Royalty Review covering the above-cited project.

The revised report is acceptable and normal distribution is authorized.

Sincerely yours,

(Signed) J. L. Chambers

JAY L. CHAMBERS, CHIEF
CONTRACT ADMINISTRATION
AND AUDIT DIVISION

WBorovies/wb
May 29, 1956

Copy to: Docket

Admr. Reading File
Mr. Chambers
Mr. J. L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: First Report of Royalty Review
Boomerang Mining Company
Contract Idm-645, Docket DMEA-2446

Dear Mr. Chambers:

Enclosed are three copies of First Report of Royalty Review covering subject contract for the period November 4, 1952 through March 21, 1956.

The format has been revised in accordance with my understanding of the instructions set forth in your letters dated April 17, 1956 and May 18, 1956.

You will note that a new engineer's check sheet dated April 23, 1956, has been secured.

You will also note that there has been no change in the total production and amount of royalty due from that reported in the original submission.

Royalty Received is up to and including Finance Officer's C.D. 56-108 dated April 4, 1956.

Sincerely yours,

Enc.

Donald T. Finch, Auditor

[Signature]
For Certificate of Deposit No. 133, dated May 29, 1956, giving royalty repayment of $16.07, see E-53.
For Certificate of Deposit No. 130, dated May 18, 1956, giving royalty repayment of $23.45, see E-317.
Mr. J. L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: First Report of Royalty Review
Boomerang Mining Company
Contract Idm-6445, Docket DMEA-2446

Dear Sir:

Reference is made to your letter dated April 17, 1956, directing
the revision of First Report of Royalty Review on subject contract.

My original letter of transmittal endeavored to explain that com-
pletion of the report had been delayed because the Review had determined
that early production had not been accounted for. When this data was se-
cured, production down to date was included in the report.

In view of your reaction, it is regrettable that I did not request
a current check sheet from the examining engineer and again correspond with
the Atomic Energy Commission. This will be done immediately. A revised re-
port will be submitted as soon as possible after my return from Salt Lake
City where I shall be the next two weeks.

Yours truly,

Donald T. Finch, Auditor
Mr. Donald T. Finch
DMEA Auditor
224 New Customhouse Building
Denver 2, Colorado

Re: First Report of Royalty Review
Dunsmuir Mining Company
Contract 4854, Docket DMEA-3446

Dear Mr. Finch:

The three copies of your First Report of Royalty Review, covering the referenced project, which were submitted with your letter of April 12, 1956, are returned herewith for such revision as may be indicated by the following comments.

In the third paragraph the reference should be to a Report of Review in lieu of a final audit rather than to an audit report.

In the fifth paragraph reference is made to the check sheet of the examining engineer dated October 17, 1955. Inasmuch as your review covers a period ending March 31, 1956, a new current check sheet is required. Furthermore, the engineer's entry under line 8 of the check sheet indicates shipments since July 19, 1955, on which royalty has not been paid, whereas your schedule No. 1 indicates royalties have been paid on all shipments since January 6, 1954.

Reason number 1 of the sixth paragraph states that all sales through August 15, 1955, have been accounted for in the report. This statement possibly could be inferred as an indication that subsequent sales have not been accounted for.

Reason number 2 does not appear to be an adequate or justifying reason for a review in lieu of an audit. The mere fact that royalty payments have been made by the "Purchasers" (name not given) rather than by the Operator or his successor does not prove that all shipments have been accounted for.

It is noted that this report does not follow the general format as discussed on pages 17 to 19 and shown by examples on pages 36 to 44 of the royalty audit manual. It is suggested that your report be revised to follow the prescribed general format. In doing so, it appears that your second, third and fourth paragraphs should be combined as a second paragraph together with a statement that royalty is due from all...
production until November 4, 1962. Your present reasons nos. 1 and 2 in your sixth paragraph should be combined with your fifth paragraph as a third paragraph to fully explain the extent of your review. Your present reasons nos. 3 and 4 are the only reasons required to be presented in justification for the review in lieu of an audit.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
April 17, 1956

Copy to: Docket
Admr. Reading File
Mr. Chambers
Mr. J. L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: First Report of Royalty Review
Boomerang Mining Company
Contract IDM-EL445, Docket DMEA-2446

Dear Mr. Chambers:

Enclosed are three copies of First Report of Royalty Review covering subject contract for the period November 4, 1952 through March 21, 1956.

From the report you will note there have been three different organizations producing ores subject to royalty from the subject property.

Correspondence with A.B.C. last October disclosed that there were 1,662.71 lbs. of U₃O₈ content in sales made subsequent to November 4, 1952, (effective date of contract), which had not been previously reported to DMEA.

The files of the Executive Officer indicate that the original contractor may have gained an erroneous impression from a former examining engineer no longer employed by U.S.B.M. This impression was to the effect that royalties were not due on production from workings that existed prior to date of the contract.

Considerable delay has been encountered in obtaining copies of liquidation settlement sheets from the original contractor for the missing production. It had to obtain such copies from the purchasers of the ore.

Sincerely yours,

Donald T. Finch, Auditor

Enc.
For Certificate of Deposit No. 121, dated April 27, 1956, giving royalty repayment of $68.21, see E-360.
For Certificate of Deposit No. 114, dated April 12, 1956, giving royalty repayment of $36.74, see E-53.
For credit of [Name, title, and disbursing or other identification symbol of accountable officer]

Deposited with [Name and location of depositary]

for accounts listed below.

<table>
<thead>
<tr>
<th>ACCOUNT SYMBOL</th>
<th>TITLE OF ACCOUNT TO BE CREDITED</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>14x4b01</td>
<td>[Title of Account]</td>
<td>30.24</td>
</tr>
</tbody>
</table>

(I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.)

Authorized signature: [Signature]

(Date of credit in Treasurer's account: MAR 14, 1956)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY
For Certificate of Deposit No. 104, dated March 16, 1956, giving royalty repayment of $370.84, see E-53.
For Certificate of Deposit No. 97, dated February 28, 1956, giving royalty repayment of $39.29, see E-100.
For Certificate of Deposit No. 93, dated February 20, 1956, giving royalty repayment of $47.32, see E-381.
For Certificate of Deposit No. 87, dated February 1, 1956,
giving royalty repayment of $53.99, see E-100.
For Certificate of Deposit No. 82, dated January 13, 1956, giving royalty repayment of $58.61, see E-34.
For Certificate of Deposit No. 77, dated January 4, 1956, giving royalty repayment of $140.32, see E-408.
For Certificate of Deposit No. 75, dated December 21, 1955, giving royalty repayment of $181.11, see E-54.
Mr. Charles V. Woodard  
Boomerang Mining Company  
Box 112, Gateway, Colorado

Re: Royalty payments, BMKA Docket 2446  
(Uranium), Contract IDM-1445, Boomerang Mining Company, Bonanza, Grants and  
Grandco claim group, Grand County, Utah

Dear Mr. Woodard:

Enclosed is a photo copy of our previous letter dated November 17, 1955. We would appreciate receiving an answer to questions contained therein by January 15, 1956.

Yours very truly,

E. H. Harshman  
Acting Executive Officer  
BMKA Field Team, Reg.III

By J. W. Townsend

Enclosure

RDB/vj

cc; Royalty File E445  
Sec. Opr. Comm. (2)  
S. R. Wilson  
D. T. Finch  
Berkenkotter  
Chron.
Mr. J. L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Boomerang Mining Company (Uranium)
Contract Idm-E445, Docket No. DMEA-2446

Dear Mr. Chambers:

Enclosed is a copy of a memorandum addressed to the Executive Officer, DMEA Field Team, Region III, together with attachments. This file is submitted for your information.

You will also note that the reply from the A.E.C. is addressed to the Bureau of Mines. Steps have been taken so that in the future all such letters from A.E.C. in reply to letters originating from the DMEA will be addressed to DMEA. Apparently the reply by A.E.C. to the Bureau of Mines was occasioned by the fact that my letter was written on Bureau of Mines stationery because the supply of DMEA letterheads had been completely exhausted. All requests in the future to A.E.C. will specifically request a reply to DMEA, and not the Bureau of Mines.

Very truly yours,

Donald T. Finch, Auditor.

Encls.
Memorandum

To: W. M. Traver, Executive Officer, DMEA Field Team, Region III
From: Donald T. Finch, DMEA Auditor
Subject: Royalty Payments, Exploration Contract IDM-E445 (U₃O₈)
        Docket No. DMEA-2445, Boomerang Mining Company

1. A pre-audit analysis of royalties due under the subject contract discloses the following situations:

   A. The effective date of the exploration contract was November 4, 1952.

   B. Production from this project subject to DMEA royalties which has been reported to your office as follows:

       | Date         | Quantity       |
       |--------------|----------------|
       | June 5, 1953 to Jan. 5, 1954 | U₃O₈          |
       | By Boomerang Mining Co.       | 6,792.28 lbs. |
       | April 5, 1954 to Jan. 5, 1955 |               |
       | By Columbus Ranch Cons. Mines Co. | 4,050.17 "   |
       | July 22, 1954 to Aug. 19, 1955 |               |
       | By Croff Oil Company          | 1,022.63 "    |
       |                             | **Total reported to DMEA as of October 1, 1955** | 11,865.08 "

This production, according to records available in your files, was from Grandee No. 2 and Benansa No. 2 claims.

C. Correspondence with the Field Operations office of the A.E.C. at Grand Junction indicates that the production outlined above agrees with the records of that office, with the exception of shipments by the Boomerang Mining Company during November and December, 1952 which totaled 1,662.71 lbs. U₃O₈. (See copy of A.E.C. letter of October 6, 1955 attached.)

2. It is possible that the shipments by Boomerang Mining Company during the months of November and December, 1952 may have been from production prior
to the effective date of the exploration contract and, therefore, not subject to DMEA royalty. However, please see copies of the following memoranda attached:

A. Memorandum to S. R. Wilson from H. K. Thurber, Jr. dated June 10, 1953

B. Memorandum to W. H. King from S. R. Wilson dated June 11, 1953

C. Memorandum to S. R. Wilson from W. H. King dated June 19, 1953

3. In view of the foregoing situations, it is thought that you may wish to clarify the status of the November and December, 1952 shipments by Boomerang Mining Company, and if it is determined such shipments are subject to DMEA Royalties, obtain copies of the settlement sheets.

4. It will be appreciated if you will advise me of your decision or determination of the status of this matter.

5. Completion of the DMEA examination is being deferred pending your reply.

Donald T. Finsh, Auditor.

Enclosures.

Date: 6th

cc: J. L. Chambers

Subject

Chrom.
October 6, 1933

Subjects: Certification and Production Information - Beaversong Mining Company
            Contract No. 781
            Docket No. EPA-206

Gentlemen:

Reference is made to your request of September 26, 1933 for information pertaining to the Cervacito Mine located in

Grand County, Utah.

This is to advise you that the production information listed in your letter agrees with the records of this office with
the exception that 1,562.71 pounds of U3O8 were shipped by
the Beaversong Mining Company in November and December 1932
and is not included in your tabulation.

I am further advised that this group of claims was not
eligible for the initial production bonus.

Very truly yours,

Robert W. Scott

Robert W. Scott, Chief
Accounting Branch
Finance Division
Article 6 of the contract form states: "In the event of such certification, any minerals mined or produced from the land described in Article 3 within ten years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty . . ." After a certification is made the operator must pay a royalty on all ore shipped after the date of the contract from any of the seven claims listed under Article 3 of the contract form.

As one in Region IV has the authority to change any of the provisions of the contract form. It is regrettable that Eadder gave the operator to understand that there was a possibility of the NIA delimiting the area from which royalties would be paid. The contract must stand in its present form as signed by both parties.
To:  W. H. King, Chief, Mining Division, Region IV  
From: Chief, Minerals Development Branch, Mining Division, Region IV  
Subject: DMEA-2446, Contract Idm-8445, Boomerang Mining Co., Grand County, Utah

June 11, 1953

Diamond drilling under the subject contract has disclosed ore along an apparent channel east of the present underground faces. Ores have been mined more or less continuously along the zone, and ores are present in the existing underground faces. A question arises concerning a proper line of demarcation for payment of DMEA royalty on ores, between those known before the drilling and those discovered by the drilling. A memorandum prepared by H. K. Thurber, with attached plan, shows a suggested method of division of ores for royalty purposes. Copies of this memorandum are attached.

Mining claims included in Article 2 of the contract cover the present mining area, as well as the area of diamond drilling. It appears that minable ore extends from the present underground faces to and beyond the diamond drill holes. The operator may not be liable for royalty payments for ores shipped from present underground faces. However, Article 6 of the short-form contract infers that all ores shipped from property included under Article 2 are subject to royalty, even though the ores may not have been discovered by the exploratory work under the contract.

Please comment on the above situation.

[Signature]
Stephan R. Wilson

Enclosure
June 10, 1953

H. K. Thurber, Jr.

DIA 2446, Contract 365-5445, Jackson Mining Co., Grand County, Utah. Determination of starting point for royalty repayment.

Ore has been discovered on the subject property as a result of diamond drilling under DIA contract, and the operators are driving from the present workings toward the area of the ore holes. knew that there was ore in the faces of the existing workings since the holes were completed, it was believed that royalty could not be claimed in areas mined in the area immediately adjoining and abound of the drift face. In view of this, a compromise in suggested wherein royalty repayment shall begin when a line approximately halfway between the drift face, as measured June 5, 1953, and a line between the first ore holes (holes 629 and 639) is reached. This boundary, as well as the workings that existed on the above date, are shown on the attached map. Discussion with the operators indicates that they feel this to be entirely fair and equitable from their standpoint.

H. K. Thurber, Jr.
Mr. E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Boomerang Mining Co. (Uranium)
Docket No. DMEA-2446
Contract Idm-E445

Dear Mr. Talbert:

Enclosed are copies of the following correspondence which are to a degree self-explanatory:

a. Letter of 12/21/54 to Chambers from Finch
b. Letter of 1/5/55 to Finch from Talbert
c. Memorandum of 9/16/55 to Traver from Finch
d. Memorandum of 9/21/55 to Finch from Traver

In connection with the case at hand, there are no load detail sheets available in the Executive Officer's files for the period November 4, 1952 to July 1, 1955. Load detail sheets are available in these files for the period July 1, to August 15, 1955.

During the earlier period production and sales were made as follows:

Period June 5, 1953 to January 5, 1954, by the Boomerang Mining Company, a co-partnership which had offices at Gateway, Colorado

Period April 5, 1954 to January 5, 1955, by Columbus Rexall Consolidated Mines Company, a lessee from Boomerang Mining Company. Offices of the lessee at that time were in Salt Lake City, Utah.

It now appears the producing claim has been sold to the Croff Oil Company with offices at Salt Lake City, Utah.

It is possible that production can be reconciled with the A.E.C. without the missing load detail sheets which are an integral part of the settlement statements.

It is my opinion that the Executive Officer should make every attempt to secure such load detail sheets in the future in order that valuable audit time and travel expense may be saved.
In many instances it will be impossible to locate such load detail sheets in cases of this kind where partnerships have been dissolved and the property has passed through several hands. If the Executive Officer had requested the detail at the time of receipt of the summary settlement sheet, the detail would be available for audit.

It is also my opinion that a demand on uranium purchasers for missing detail load sheets would be misdirected. Such demand should be addressed to the sellers. Further, I am of the opinion the settlement sheets which summarize load detail sheets are as incomplete as a monthly statement not supported by invoices.

On-site audits, as outlined in the Executive Officer's memorandum, could be eliminated in many cases if a clear-cut understanding was had with sellers of uranium ore. The question of time and expense in many cases would be eliminated if proper steps were taken at the beginning.

Your attention is directed to the Executive Officer's memorandum in which he suggests a ruling from the Administrator. Perhaps this would be the solution.

It will be appreciated if you will advise me of the position you desire me to take in the matter.

Sincerely yours,

Donald T. Finch, Auditor
To: Donald T. Finch, Auditor, Contract Administration and Audit Division

From: Executive Officer, DMEA Field Team, Region III

Subject: Load Detail Sheets Supporting Settlement Sheets, Sales of Uranium

This is in response to your memorandum of September 16, 1955 on the above subject, wherein you refer to the lack of load detail sheets to support settlements for DMEA 2446, (Uranium), Contract Idm-El445, Boomerang Mining Company, Grand County, Utah.

In the past we have not required these load detail sheets. Obtaining them to cover this project, at this late date, will involve a considerable amount of correspondence which possibly might still be ineffective in producing the required material. Under the circumstances it is suggested that you schedule an on site royalty audit of this contract and also of any others that can be classified in the same category and where similar conditions exist.

In the meantime, before we make a demand on all uranium ore purchasers under DMEA contracts, for load detail sheets it seems advisable to obtain a ruling from the Administrator, DMEA, Washington as to his opinion regarding the requirement. This decision is prompted by the understanding which we have always entertained that the settlement sheets itself as accepted by the producer governs the determination of royalty.

W. M. Traver

W. M. Traver
Memorandum

To: W. M. Traver, Executive Officer, DMEA Field Team, Region III

From: Donald T. Finch, Auditor

Subject: Load Detail Sheets Supporting Settlement Sheets of Sales of Uranium

Reference is made to our conference this afternoon concerning the load detail sheets which support ore settlement sheets.

Specific reference is made to the lack of such detail sheets for Exploration Contract Idm-E445, Boomerang Mining Company, for the period prior to July 1, 1955.

As stated in our conference, previous discussion with various members of your staff had been held on this subject. For your information there are attached copies of correspondence with the Contract Administration and Audit Division. You will note that the Contract Administration and Audit Division considers these load detail sheets as essential accounting support. Copies of this correspondence had been furnished your predecessor and are again submitted at your request.

Encs.
DTF:hh

cc-E.D.Talbert - For your information
Mr. Donald T. Finch
DMEA Auditor
224 New Customhouse Building
Denver 2, Colorado

Re: Contract #D-597
Docket DMEA-3048 (Uranium)
J. R. Simplot Company

Dear Mr. Finch:

Reference is made to your letter of December 21, 1954, pertaining to certain questions which have arisen in the analytical work preliminary to the royalty audit of the referenced project.

You ask to be advised as to whether the purchaser's practice of settling on an "approximate" average assay basis, involving a number of individual shipments, is acceptable practice. A review of the copy of the Ore Settlement Sheet with supporting Load Detail Sheets, as submitted with your letter, indicates that the average assay is "approximate" only to the rounding of decimals and further that actual settlement is based on the aggregate of the net, dry and content weights of the individual shipments. It also appears that the settlement covers all the individual shipments made during a given month.

While it is true that this method of settlement does not afford the seller the benefit of the premium on the few individual shipments containing in excess of 0.50% uranium, possibly this is the only way that he can feasibly dispose of his production. (Your audit, of course, should include a determination in this regard and comments pertinent thereto should be included in the audit report.) It is noted that the last sentence of the seller's certification specifically requests payment on an "average" basis. Under the circumstances it would appear that we have no alternative but to consider the method of settlement as being acceptable.
Your second question pertains to the necessity of the supporting Load Detail Sheets. I concur with your conclusions. An adequate audit cannot be performed without computation of the supporting detail to the extent necessary for the auditor to be satisfied that the Ore Settlement Sheet is correct. Furthermore, the detail references to shipping dates, ticket numbers, net weights, etc., are required by the auditor in the check of the Operator's records.

As requested we have obtained copies of AEC Circular No. 5 Revised and two copies are enclosed. Also enclosed are copies of AEC Circular No. 6.

Sincerely yours,

E. L. Talbert, Acting Chief
Contract Administration
and Audit Division

Enclosure
Mr. Jay L. Cherbon, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
U.S. Department of the Interior
Interior Building
Washington 25, D.C.

Dec. 21, 19__

No: Contract ID-597
Basket D-11 5048 (Uranium)
J. R. Simplot Company

Dear Mr. Cherbon:

A preliminary analysis has been started on a royalty audit of the subject contract and its companion contract ID-2639. For your convenience there are enclosed photostatic copies of U.S. Vanadium Company Ore Settlement Sheet with detail sheet referred to under Lot No. on the Ore Settlement Sheet.

It will be appreciated if you will secure copies of AEC Circular No. 5 Revised for Ten and 80.

It will also be appreciated if your office will clarify the following questions:

1. Is the U.S. Vanadium Company's practice of settling on an 'approximate' average assay basis, involving in some instances 15 to 20 different shipments with individual shipment assays ranging from 0.12% to 0.65% uranium content, acceptable practice?

   Note: This method in the illustrative case ignores premium for ores in excess of 0.30% uranium.

2. It has been advocated by the staff of the Executive Officer of the DMEA Field Team, Region IV, that the detail support referred to in the Ore Settlement Sheet is valueless. In this we do not concur. It is our opinion that sufficient tests should be made of such detail sheets to satisfy the Auditor of the validity of the totals set forth on the Summary Settlement Sheet.

   It also is essential in reconciling the operator's shipments to ore purchaser.

Please advise us of your views in respect to the essentiality of examination of detail shipment sheets.
I shall await receipt of your decisions before proceeding with the Simplot royalty audits.

Sincerely,

Donald T. Finch

This letter has been coordinated with the Executive Officer.

DTF: JP
cc King
Finch
ORE SETTLEMENT

Receiving Station: Grand Junction, Colorado
Liquidation No.: 5555
Lot No.: 2-001
Shippers Lot No.: AEC. License No.: P-521
Bought of: AEC. License No.: P-521
Address: Phil Williams, P.O. Box 912, Elizabethtown, Linko
Date Received: 2-15-40 L. 2-22-40
Type of Ore: ore
Mining Claim: Berwyn Group
Mining District: Telluride

SETTLEMENT ASSAYS

<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U308</td>
<td>3237.21</td>
</tr>
<tr>
<td>V2O5</td>
<td>19505.45</td>
</tr>
<tr>
<td>CaCO3</td>
<td>492.1283 tons</td>
</tr>
</tbody>
</table>

PRICED PER A.E.C. CIRCULAR NO. 5555

<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>POUNDS</th>
<th>PER LB</th>
<th>DRY SHORT TONS</th>
<th>PER TON</th>
<th>VALUE</th>
<th>TOTAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>U308</td>
<td>3237.21</td>
<td>5.10</td>
<td>492.13</td>
<td>13.02</td>
<td>1130.24</td>
<td></td>
</tr>
<tr>
<td>V2O5</td>
<td>19505.45</td>
<td>1.21</td>
<td>492.13</td>
<td>22.17</td>
<td>6046.67</td>
<td></td>
</tr>
</tbody>
</table>

Development Allowance

Excess 4 lbs. per ton Premium

Excess 10 lbs. per ton Premium

Total U308 Payment

V2O5 Payment

Total V2O5 Payment

Less High Line Penalty over 6% CaCO3

Base Penalty

TOTAL

Haulage Allowance: 1.5 Miles, 517.14 Wet Tons @ .0725 per wet ton mile

Total U308, V2O5 and Haulage Payment

I certify that I am the lawful owner or authorized representative of the lawful owner of the ore described in this Settlement Sheet and have legal title to deliver the same to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation.

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U308, V2O5 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U308 contents and of V2O5 contents of the several loads delivered and covered by this settlement.

Voucher Number: 1442 Date: 7-14-41
Check Number: Date: 7-14-41
Approved for Payment: 

Closing Allowance: 5.5 Miles, 517.14 Wet Tons @ .0725 per wet ton mile

Total U308, V2O5 and Haulage Payment

I certify that I hold the A.E.C. Source Material License numbered above.

I hereby transfer to the United States Vanadium Company, a Division of Union Carbide and Carbon Corporation, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

The amount set opposite "Total U308, V2O5 and Haulage Payment" shown above constitutes the entire amount payable to me in respect of ore deliveries described herein and is accepted by me in full payment thereof.

I request that payment be made on the basis of the average of moisture contents, of U308 contents and of V2O5 contents of the several loads delivered and covered by this settlement.

Voucher Number: 1442 Date: 7-14-41
Check Number: Date: 7-14-41
Approved for Payment: 

TOTAL

E597
<table>
<thead>
<tr>
<th>SHIPPED DATE</th>
<th>TICKET NUMBER</th>
<th>POUNDS ORE</th>
<th>LAB. ASSAY NO</th>
<th>PER CENT MOISTURE</th>
<th>POUNDS DRY ORE</th>
<th>GRADE</th>
<th>POUNDS</th>
<th>GRADE</th>
<th>POUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3</td>
<td>25467</td>
<td>1164</td>
<td>7145</td>
<td>5.5</td>
<td>18855.20</td>
<td>0.11</td>
<td>35.82</td>
<td>0.50</td>
<td>150.84</td>
</tr>
<tr>
<td>2-4</td>
<td>25747</td>
<td>13546</td>
<td>5154</td>
<td>5.7</td>
<td>31168.23</td>
<td>0.16</td>
<td>124.93</td>
<td>1.75</td>
<td>538.17</td>
</tr>
<tr>
<td>2-5</td>
<td>25553</td>
<td>35574</td>
<td>5154</td>
<td>0.1</td>
<td>31755.76</td>
<td>0.05</td>
<td>72.44</td>
<td>1.17</td>
<td></td>
</tr>
<tr>
<td>2-6</td>
<td>25530</td>
<td>5155</td>
<td>5154</td>
<td>5.8</td>
<td>30386.80</td>
<td>0.15</td>
<td>175.90</td>
<td>2.27</td>
<td>680.09</td>
</tr>
<tr>
<td>2-8</td>
<td>25860</td>
<td>5155</td>
<td>5154</td>
<td>7.1</td>
<td>31168.23</td>
<td>0.20</td>
<td>91.76</td>
<td>1.52</td>
<td>427.34</td>
</tr>
<tr>
<td>2-9</td>
<td>25860</td>
<td>5155</td>
<td>5154</td>
<td>4.6</td>
<td>31981.16</td>
<td>0.35</td>
<td>116.14</td>
<td>1.47</td>
<td>492.59</td>
</tr>
<tr>
<td>2-10</td>
<td>25790</td>
<td>5046</td>
<td>4154</td>
<td>4.3</td>
<td>29165.40</td>
<td>0.02</td>
<td>90.36</td>
<td>0.56</td>
<td>487.77</td>
</tr>
<tr>
<td>2-11</td>
<td>25818</td>
<td>36700</td>
<td>4154</td>
<td>7.6</td>
<td>29338.50</td>
<td>0.04</td>
<td>104.96</td>
<td>1.34</td>
<td>342.87</td>
</tr>
<tr>
<td>2-12</td>
<td>25849</td>
<td>3310</td>
<td>6141</td>
<td>5.3</td>
<td>31761.27</td>
<td>0.17</td>
<td>85.26</td>
<td>1.64</td>
<td>560.76</td>
</tr>
<tr>
<td>2-13</td>
<td>25915</td>
<td>32700</td>
<td>6141</td>
<td>4.7</td>
<td>30970.96</td>
<td>0.04</td>
<td>72.17</td>
<td>0.57</td>
<td>492.76</td>
</tr>
<tr>
<td>2-15</td>
<td>25957</td>
<td>17580</td>
<td>9145</td>
<td>6.0</td>
<td>16525.20</td>
<td>0.28</td>
<td>42.80</td>
<td>2.17</td>
<td>408.17</td>
</tr>
<tr>
<td>2-16</td>
<td>25912</td>
<td>31490</td>
<td>9145</td>
<td>3.7</td>
<td>30718.50</td>
<td>0.03</td>
<td>98.54</td>
<td>0.02</td>
<td>740.31</td>
</tr>
<tr>
<td>2-16</td>
<td>26081</td>
<td>17460</td>
<td>7645</td>
<td>4.3</td>
<td>16303.80</td>
<td>0.01</td>
<td>47.28</td>
<td>1.76</td>
<td>290.61</td>
</tr>
<tr>
<td>2-16</td>
<td>26027</td>
<td>32780</td>
<td>7445</td>
<td>5.7</td>
<td>30916.57</td>
<td>0.10</td>
<td>116.81</td>
<td>0.52</td>
<td>381.99</td>
</tr>
<tr>
<td>2-17</td>
<td>26052</td>
<td>37540</td>
<td>7445</td>
<td>6.2</td>
<td>37309.92</td>
<td>0.26</td>
<td>92.08</td>
<td>0.32</td>
<td>740.31</td>
</tr>
<tr>
<td>2-18</td>
<td>26099</td>
<td>77550</td>
<td>77450</td>
<td>7.8</td>
<td>31660.50</td>
<td>0.13</td>
<td>82.38</td>
<td>1.75</td>
<td>546.11</td>
</tr>
<tr>
<td>2-18</td>
<td>26127</td>
<td>2100</td>
<td>77450</td>
<td>6.7</td>
<td>20102.60</td>
<td>0.35</td>
<td>108.57</td>
<td>3.17</td>
<td>632.87</td>
</tr>
<tr>
<td>2-19</td>
<td>26154</td>
<td>31570</td>
<td>8845</td>
<td>7.3</td>
<td>27492.38</td>
<td>0.22</td>
<td>65.28</td>
<td>1.56</td>
<td>432.89</td>
</tr>
<tr>
<td>2-19</td>
<td>26154</td>
<td>21570</td>
<td>8845</td>
<td>4.7</td>
<td>20502.50</td>
<td>0.11</td>
<td>49.27</td>
<td>0.76</td>
<td>363.00</td>
</tr>
<tr>
<td>2-20</td>
<td>26154</td>
<td>31550</td>
<td>8845</td>
<td>0.1</td>
<td>29272.28</td>
<td>0.14</td>
<td>133.19</td>
<td>3.19</td>
<td>944.15</td>
</tr>
<tr>
<td>2-20</td>
<td>26154</td>
<td>21570</td>
<td>8845</td>
<td>4.7</td>
<td>20401.00</td>
<td>0.31</td>
<td>63.31</td>
<td>1.85</td>
<td>372.82</td>
</tr>
</tbody>
</table>

**TOTAL**

[Signature]
## Load Detail

**Name:** United Mining Company  
**Address:** Vestella, Idaho

**Claim:** George Tony

<table>
<thead>
<tr>
<th>Shipped Date</th>
<th>Ticket Number</th>
<th>Pounds ORE</th>
<th>Lab. Assay No.</th>
<th>PER CENT MOISTURE</th>
<th>Pounds Dry ORE</th>
<th>Grade U₃O₈</th>
<th>Pounds U₃O₈</th>
<th>Grade V₂O₅</th>
<th>Pounds V₂O₅</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-22</td>
<td>26,254</td>
<td>1920</td>
<td>2948</td>
<td>1.5</td>
<td>1843.8</td>
<td>0.5</td>
<td>119.91</td>
<td>2.28</td>
<td>60.45</td>
</tr>
<tr>
<td>2-22</td>
<td>26,258</td>
<td>21480</td>
<td>670</td>
<td>4.0</td>
<td>1959.1</td>
<td>0.32</td>
<td>94.69</td>
<td>2.33</td>
<td>189.47</td>
</tr>
<tr>
<td>2-22</td>
<td>26,283</td>
<td>23700</td>
<td>670</td>
<td>4.0</td>
<td>23140.80</td>
<td>0.33</td>
<td>106.09</td>
<td>2.06</td>
<td>62.29</td>
</tr>
<tr>
<td>2-23</td>
<td>26,305</td>
<td>32,560</td>
<td>5045</td>
<td>5.2</td>
<td>2086.88</td>
<td>0.29</td>
<td>89.51</td>
<td>1.77</td>
<td>54.63</td>
</tr>
<tr>
<td>2-23</td>
<td>26,308</td>
<td>17840</td>
<td></td>
<td>4.4</td>
<td>1466.25</td>
<td>0.53</td>
<td>88.31</td>
<td>3.92</td>
<td>65.17</td>
</tr>
<tr>
<td>2-23</td>
<td>26,323</td>
<td>19,200</td>
<td></td>
<td>4.0</td>
<td>18259.20</td>
<td>0.28</td>
<td>52.95</td>
<td>1.97</td>
<td>359.21</td>
</tr>
<tr>
<td>2-24</td>
<td>26,336</td>
<td>19,820</td>
<td>6345</td>
<td>6.8</td>
<td>18472.24</td>
<td>0.40</td>
<td>81.28</td>
<td>2.23</td>
<td>41.83</td>
</tr>
<tr>
<td>2-24</td>
<td>26,344</td>
<td>32,280</td>
<td></td>
<td>4.0</td>
<td>2086.50</td>
<td>0.23</td>
<td>70.88</td>
<td>1.66</td>
<td>51.64</td>
</tr>
<tr>
<td>3-24</td>
<td>26,356</td>
<td>15,400</td>
<td></td>
<td>4.5</td>
<td>18450.72</td>
<td>0.27</td>
<td>49.76</td>
<td>1.57</td>
<td>239.16</td>
</tr>
<tr>
<td>2-25</td>
<td>26,387</td>
<td>32,080</td>
<td>6345</td>
<td>7.0</td>
<td>29834.40</td>
<td>0.41</td>
<td>122.32</td>
<td>3.20</td>
<td>957.68</td>
</tr>
<tr>
<td>2-25</td>
<td>26,412</td>
<td>30080</td>
<td></td>
<td>5.5</td>
<td>18925.60</td>
<td>0.30</td>
<td>56.03</td>
<td>1.76</td>
<td>333.87</td>
</tr>
<tr>
<td>2-25</td>
<td>26,464</td>
<td>32,800</td>
<td></td>
<td>6.8</td>
<td>30221.36</td>
<td>0.31</td>
<td>96.87</td>
<td>2.39</td>
<td>723.89</td>
</tr>
<tr>
<td>2-26</td>
<td>26,483</td>
<td>31,820</td>
<td>8443</td>
<td>5.1</td>
<td>30515.18</td>
<td>0.21</td>
<td>44.08</td>
<td>1.53</td>
<td>46.83</td>
</tr>
<tr>
<td>2-26</td>
<td>26,483</td>
<td>22,020</td>
<td></td>
<td>5.4</td>
<td>30,290.92</td>
<td>0.53</td>
<td>100.54</td>
<td>3.50</td>
<td>106.08</td>
</tr>
<tr>
<td>2-27</td>
<td>26,479</td>
<td>32,200</td>
<td></td>
<td>4.1</td>
<td>30879.80</td>
<td>0.12</td>
<td>32.06</td>
<td>1.00</td>
<td>308.80</td>
</tr>
</tbody>
</table>

| TOTAL        |              | 1038,280   |                |                   | 6.2            | 984,252.60   | 0.33        | 327221.1    | 1.97        | 19306.45    |
For Certificate of Deposit No. 62, dated January 18, 1955, giving royalty repayment of $105.82, see E-4.
For Certificate of Deposit No. 53A, dated December 20, 1954, giving royalty repayment of $82.14, see E-36.
For Certificate of Deposit No. 47, dated November 10, 1954, giving royalty repayment of $268.61, see E-4.
Certificate of Deposit for Checking Account

Deposited with: The Federal Reserve Bank of Kansas City, October 11, 1954, 14-23-06-37

(Name and location of depositary) Denver, Colorado (Date sent)

the sum shown opposite for credit, subject to check, in the disbursement account of—

C. P. WPDJ, 353 New Cassidhouse, Denver, Colorado

On account of—

Defense Minerals Exploration Administration
221 New Cassidhouse
Denver, Colorado

Symbol No. 413

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Authorized Signature

OCT 14 1954

(Date of credit in Treasurer's account)

Depositary will date, sign, and return this to depositor for his retained copy.
For Certificate of Deposit No. 28, dated September 15, 1954, giving royalty repayment of $120.86, see E-4.
For Certificate of Deposit No. 15, dated August 13, 1954, giving royalty repayment of $88.20, see E-4.
For Certificate of Deposit No. 15, dated June 10, 1954, giving royalty repayment of $142.97, see E-236.
Memorandum

To: T. A. Christensen
From: Executive Officer, DMXSA Field Team, Region IV
Subject: Royalty-Docket No. 2446, Contract No. EN45, Boomerang Mining Company, Utah

Enclosed is settlement sheet covering ore shipped under Liquidation No. R1176 by Boomerang Mining Company to the United States Vanadium Company.

Also enclosed is check in the amount of $256.12 in payment of royalty on this shipment.

John F. Shaw
For W. H. King

Enclosures

See E-36 for C.A. #4
For Schedule of Collections No. DMA-C-120, dated April 8, 1954, giving royalty repayment of $37.64, see E-4.
Memorandum

To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region IV
Subject: Royalty-Boomerang Mining Company, Docket No. DMEA 2446, Contract E445, Utah

Enclosed are copies of settlement sheets covering Liquidation Numbers 5307 and 5389, for ore shipped by the Boomerang Mining Company to the United States Vanadium Company.

Also enclosed is check in the amount of $559.03 in payment of royalty on these shipments.

Enclosures

cc: Royalty File
Sec. to the Oper. Comm. w/enc. settlement sheets
Wilson
Chron.
For Schedule of Collections No. DMA-C-96, dated February 11, 1954, giving royalty repayment of $559.03, see E-597.
For Schedule of Collections No. DMA-C-68, dated December 23, 1953, giving royalty repayment of $472.92, see E-235.
For Schedule of Collections No. DMA-C-60, dated November 27, 1953, giving royalty repayment of $1,365.76, see E-4.
REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Boomerang Mining Company
P.O. Box 112
Gateway, Colorado

pertaining to Exploration Project Contract No. Idm-4445, Docket No. DMEA 2446, and including Amendments Nos. 1, 2, 3, 4 and 5, for the months of March to August, 1953, covering a project for exploration of Uranium, located in Grand County, Utah, commonly known as Corvusite Mine.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of costs claimed with the contract and pertinent schedules, consultation with the Executive Officer of the Field Team in charge of the project, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reason:

All of the costs incurred were under a contract provision for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total cost as billed by Contractor</td>
<td>$23,820.08</td>
</tr>
<tr>
<td>Exceptions</td>
<td></td>
</tr>
<tr>
<td>By DMEA Finance Officer</td>
<td>--0--</td>
</tr>
<tr>
<td>Herewith</td>
<td>--0--</td>
</tr>
<tr>
<td>Total Accepted Cost</td>
<td>$23,820.08</td>
</tr>
</tbody>
</table>

The contract calls for a 90 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Twenty One Thousand Four Hundred Thirty Eight and 07/100ths Dollars

- $21,438.07 -

is considered valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Date: February 23, 1954.

B. J. Brekhus, Auditor
February 23, 1954

Reference is made to our memorandum of December 15, 1953, whereby we transmitted the final Form RR-104 Operator's Monthly Progress Report and Voucher for the month of August 1953 and instructed you to withhold the amount of $500.00 from reimbursement to the operator pending receipt of the operator's final report and release of the final report of review by the Contract Administration and Audit Division.

We now recommend that final payment to the operator be made on the following basis, which is in conformance with the report of review by the Contract Administration and Audit Division dated February 23, 1954, which was released to this office March 18, 1954:

Basis for final payment

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total accepted cost</td>
<td>$23,840.00</td>
</tr>
<tr>
<td>Government participation at 90%</td>
<td>$21,420.08</td>
</tr>
<tr>
<td>Total prior payments</td>
<td>$22,936.07</td>
</tr>
<tr>
<td>Balance due the operator...</td>
<td>$500.00</td>
</tr>
</tbody>
</table>

JWT:jp
cc: Contract
Sec. Oper. Comm. (2)
G. J. Killson
Chron
J. W. Townsend

[Signature]

$500.00

3/24/54 Dim. 54 FS
Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA-2446 (Uranium), Contract Idm-E445, Boomerang Mining Company, Grand County, Utah.

Enclosed are two copies of a memorandum to Mr. T. A. Christensen dated March 18, 1954, relative to final payment under the terms of the subject contract.

Final payment to the Operator in the amount of $500.00 has now been made in conformance with the Report of Review by the Contract Administration and Audit Division dated February 23, 1954.

John F. Shaw
For W. H. King

Enclosures
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 2446
Operator's Name Boomerang Mining Co.
Address Box 112 Gateway, Colo.

Contract Amount, $24,117.60 Government Participation: 90.0% Amount, $21,795.84

<table>
<thead>
<tr>
<th>ITEMS OF COSTS</th>
<th>FOR OPERATOR'S USE</th>
<th>FOR GOVERNMENT USE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Monthly Total</td>
<td>Totals Previously Reported</td>
</tr>
<tr>
<td>(1) Independent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short Form</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling</td>
<td>$7984.56</td>
<td>14,535.52</td>
</tr>
<tr>
<td>Bulldozing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crosscutting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drifting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) Labor and Supervision:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervision</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) Operating Mat'ls. and Supplies:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timber</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pipe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4) Operating Equipment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rental</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purchase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depreciation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(5) Initial Rehabilitation and Repairs...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(6) New Bldgs., Improvements, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(7) Miscellaneous:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repairs to Equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sampling and Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payroll Taxes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liability Insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(8) Contingencies (specify):</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTALS $7984.56 14,535.52 22,540.08

I certify that the above bill is correct and just and that payment therefor has not been received.
Date: Nov. 16, 1953
Per: Charles V. Woodard Title: Partner

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
Signature: $66,860.10
Authorized Certifying Officer
Date: Dec. 16, 1953

NOTE: Title 18, U. S. Code (Crimea), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States so to any matter within its jurisdiction.

(Instructions on reverse)
MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) Form MF-104—Operator’s Monthly Report and Voucher.—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government’s share of costs;

(b) Form MF-104A—Operator’s Unit Cost and Progress Report.—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104.—Operator’s Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words “Short Form” if the contract is a sub-contract under Form MF-200; and delete word “Independent” if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under “Rental”. The amount paid or duly obligated for payment for the purchase of equipment will be reported under “Purchase”. The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under “Depreciation”.

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen’s compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen’s compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, “Certified True Copy (or Transcript)”, followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an “on-site” audit, that is, a Government auditor should make an audit of the Operator’s books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the original of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word “Independent” and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the “Monthly Total” amount due. “Totals Previously Reported”, and “Totals to Date” columns should also be filled in.
## OPERATOR'S UNIT COST AND PROGRESS REPORT

**Month of** August 1953  
**Docket No.** DMEA 2446  
**Operator's Name:** Boomerang Mining Company  
**Address:** Box 112, Gateway, Colorado

### OPERATIONS

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>Unit</th>
<th>Costs This Month</th>
<th>Units This Month</th>
<th>Costs to Date</th>
<th>Units to Date</th>
<th>Unit Costs to Date</th>
<th>Authorized by Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drifting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crosscutting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raising</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winzes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling: Core</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Churn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auger</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stripping</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trenching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Pits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roads and Trails</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Distributed Costs:** $1,984.56  
**Total Costs Authorized by Contract:** $2,177.60

---

**Operating Equipment Purchased:**  
**Initial Rehabilitation and Repairs:**  
**New Buildings, Improvements, etc.:**

**Total Costs:** $2,177.60

---

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

**Date:** Nov 18 1953  
**Operator:** Boomerang Mining Co.  
**Per Charlie V. Woodard, Title: Partner**

---

**NOTE:** Title 18, U.S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*(Instructions on reverse)*

*(For Government use only)*
INSTRUCTIONS

Preparation of Form MF-104A—Operator’s Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.
Administrative Audit Difference Statement

Date: October 15, 1953
Payee's Reference: 3423

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

\[
\begin{align*}
\text{Amount Claimed} & \quad $336.10 \\
\text{Difference} & \quad -$30.00 \\
\text{Amount Approved} & \quad $306.10
\end{align*}
\]

The reason for the difference was due to:


Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV-B & F Form No. 4
4-15-52 D.
Memorandum

To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region IV

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

An amount of $500.00 is to be withheld from the total amount due the Operator pending receipt of the Operator's final report and release of the final Report of Review by the Contract Administration and Audit Division.

It is requested that a statement be included on the Audit Difference Statement sheet explaining the reason the above amount was withheld.

Remarks:

Date of Report: November 18, 1953.
Date Received in Field Office: November 24, 1953.
Date Received in Region Office: December 14, 1953.

Enclosures

RDB: cwm

cc: Contract; Secretary to the Oper. Comm. (2); SRWilson; Chron.; JWTownsend
December 11, 1953

Memorandum

To: W. M. King, Executive Officer, DMA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Desket No. DMA 2446 (Uranium), Contract ID-8445, Boomerang Mining Co., Grand County, Utah. MF-104 forms for August 1953

Attached are the necessary copies of MF-104 forms and supporting information pertaining to work accomplished under the subject contract during August 1953. The property was inspected by H. L. Thurber November 4, 1953. The work and details of diamond drilling were discussed with the operator at the time of inspection.

A total of 2,626.5 feet of diamond drilling is reported on the MF-104 forms. This drilling completes the work under the contract, although a total of 25.5 feet of drilling remains incomplete. The present MF-104 forms are to be considered the final forms to be submitted by the operator.

Conversation with the operator and study of the certified drill logs accompanying the MF-104 forms disclose that no drilling was accomplished on the Bananas No. 6 claim prior to August 19, 1953, the date of the amended location. This drilling was therefore accomplished under terms of the contract and amendments thereto.

It is recommended that the operator be reimbursed by 90 percent of the reported expenditures, subject to receipt of an acceptable final report and audit of the accounts. No materials or supplies in which the Government has equity remain on the property.

The MF-104 forms were received from the operator November 24, 1953. A delay of 10 days in transmitting the forms to Denver resulted from the necessity of discussing details of the drilling with the operator. A five-day delay was caused by the work load of the inspecting engineer.

Stephan R. Wilson

Enclosures
Option 1:

S. E. Wilson

M. K. Tharber, Jr.

Dec. 9, 1953

Boeket No. D88A 2446 (Uranium), Contract IDA-2448, Bannerman Mining Co., Grand County, Utah. Monthly progress report and MF-104 forms for August 1953

The subject property was visited November 4, 1953, at which time the surface areas on Bannerman No. 6 claim were observed and the maps and logs of holes pertaining to the diamond drilling accomplished during August 1953, were discussed. The underground work progressing toward the ore discovered by previous drilling was inspected.

The holes drilled during the reporting period, Holes No. 640 through 653, totaled 2,686.5 feet and were drilled on Bannerman No. 2 and Bannerman No. 6 claims. Upon the resumption of drilling after the recess in the work, 2,652.0 feet of diamond drilling hole remained to be drilled under the contract; thus 25.5 feet of the original contract amount remained undrilled when the work was stopped. This remaining footage will not be drilled; thus the subject MF-104 forms are the last set to be presented.

The drilling during the reporting period was done in areas dictated by the results of the first phase of the project and in areas suggested by the project geologist of the Geological Survey drilling project in the general area. The pattern was designed to follow the trend of the favorable conglomerate sandstone leases established in the first phase of the work. Although no ore holes were recorded among those drilled during the reporting period, Holes No. 640, 642 and 644 showed uranium mineralization. Hole 640 showed 0.6 feet of uranium mineralization; Hole 642 showed 1.0 feet of mineralization; and Hole 644 showed 1.0 feet of mineralization. These are recorded on the certified drill logs attached to the MF-104 forms. The operators have prepared plan maps and sections showing the trend of the favorable sandstone and the alteration of the clay underlying and overlying the ore horizons, which will be presented with their final report now in preparation.

It was determined by conversation with the operators and verified by the dates on the certified drill logs that no drilling on Bannerman No. 6 claim was done before August 19, 1953, the date of the amended location, pursuant to Public Law 250, 83rd Congress, 5, 1977, concerning the amending of lease-claim locations on prior Federal oil and gas leases.

The work done during the reporting period was in conformance with the subject contract and amendment thereto. The cores were properly stored in standard core boxes and logged by the operator and the
Geological Survey representative. Disposition of the core was the responsibility of that agency. Good core recovery was obtained by the independent drilling contractor. The narrative report for the reporting period adequately covers the results of the drilling and the MF-104 forms correctly reflect the expenditures under the contract.

It is recommended that the operators be reimbursed in the amount of $7,186.10, which is 90 percent of $7,984.56, the total expenditures under the subject contract for the reporting period, subject to the receipt of the operator's final report and an audit of the project accounts.

The processing of the MF-104 forms was delayed due to the necessity of determining the date of drilling of the holes on Bonanza No. 6 claim.

W. K. Thurber, Jr.

W. K. Thurber, Jr.
Drilling on the second phase of Project I was done on a pattern as suggested by U.S.G.S. personnel.

Hole No. 643 was drilled to test the structure south west of the initial drilling done in April. Hole No. 643 showed a sand that is considered unfavorable being of reddish color, seventeen feet thick with no alteration of the underlying shale.

Moving eastward. Hole No. 644 was next drilled. Although the sand was thinner than had been considered as favorable being only thirteen feet thick it was of a medium texture, good yellow brown color and there was considerable alteration of the overlying and underlying shales. Near the bottom of the sand there was a foot of mineralization.

Hole No. 645 was next drilled to see if there was any relation between the mineralization in holes 644 and 612. Here again the sand was thin being twelve feet thick, but of good color and texture and the alteration of shale was good. There was very slight mineralization near the top of the sand.

Hole No. 646 was very similar to hole No. 645. There was slight mineralization near the bottom of the sand.

Hole No. 647 was drilled to determine if there was any relation between hole 644 and hole No. 6V-7 drilled by the U.S.G.S. which was considered favorable. Hole No. 647 was very unfavorable, the sand being of reddish color and no alteration of underlying shale.

Holes 643, 649, 650, 651, and 653 finished out the pattern. All five were favorable but none had mineralization.

Hole No. 640 was drilled on the proposed ore channel. The sand was thirty feet thick and of good color and texture. There was some alteration of shale. Near the middle of the sand 0.6 foot was mineralized.

Hole No. 641 was drilled South of hole 640. The sand was very favorable but the alteration of shale was slight.

Hole No. 642 was then drilled Northwest of hole 640 to test the Northern edge of the channel. The sand was very favorable. Near the bottom of the sand 1.0 foot was mineralized.

Since the proposed channel was shown to be continuing Eastward hole No. 652 was drilled to test the North Eastward portion of the channel. The sand was very favorable and the alteration of shale was good; although no mineralization was encountered.
In this area the holes were becoming excessively deep for close spaced drilling which is necessary to outline the ore in this type of ore occurrence.

No conclusive evidence is available that the ore channel continues beyond holes 640. The U.S.G.S. drilled some widely spaced holes behind our drilling without finding favorable structure; however an ore channel of the magnitude that we were exploring could continue Eastward between the U.S.G.S. holes.
September 4, 1953

Mr. S. R. Wilson  
United States Department of Interior  
Bureau of Mines  
1600 East First South Street  
Salt Lake City, Utah  

Re: BLM Docket - 2446  
Contract IDM E-445

Dear Mr. Wilson:

Following is the Boomerang Mining Company Diamond Drilling Account for the month of August:

<table>
<thead>
<tr>
<th>Hole No.</th>
<th>Drill No.</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>640</td>
<td>1</td>
<td>252.5</td>
</tr>
<tr>
<td>641</td>
<td>1</td>
<td>245.0</td>
</tr>
<tr>
<td>643</td>
<td>1</td>
<td>129.0</td>
</tr>
<tr>
<td>644</td>
<td>1</td>
<td>160.0</td>
</tr>
<tr>
<td>645</td>
<td>1</td>
<td>174.0</td>
</tr>
<tr>
<td>648</td>
<td>1</td>
<td>170.0</td>
</tr>
<tr>
<td>650</td>
<td>1</td>
<td>160.0</td>
</tr>
<tr>
<td>652</td>
<td>1</td>
<td>258.0</td>
</tr>
<tr>
<td>642</td>
<td>2</td>
<td>230.0</td>
</tr>
<tr>
<td>646</td>
<td>2</td>
<td>178.0</td>
</tr>
<tr>
<td>647</td>
<td>2</td>
<td>185.0</td>
</tr>
<tr>
<td>649</td>
<td>2</td>
<td>155.0</td>
</tr>
<tr>
<td>651</td>
<td>2</td>
<td>155.0</td>
</tr>
<tr>
<td>653</td>
<td>2</td>
<td>173.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2,626.5</td>
</tr>
</tbody>
</table>

We hereby certify that the above number of holes and footage were drilled during the month of August for the Boomerang Mining Company. We further certify that we submitted to them a drillers log for the above listed diamond drill holes.

Very truly yours,

JOHNSON & YOUVAN

JY: dab

[Handwritten signature]

Jack Youvan  
Partner
**Form MF-104 (Rev.) (April 1952)**

**UNITED STATES**

**DEPARTMENT OF THE INTERIOR**

**DEFENSE MINERALS EXPLORATION ADMINISTRATION**

**OPERATOR'S MONTHLY REPORT AND VOUCHER**

March 26 to

Month of April 30, 1953 Docket No. DMEA 2446 Contract No. Idm-E-445

Operator's Name Boomerang Mining Company Minerals Uranium

Address Box 112 Gateway, Colorado

Contract Amount, $24,117.60 Government Participation: 90.0% Amount, $21,795.84

### ITEMS OF COSTS

<table>
<thead>
<tr>
<th>ITEMS OF COSTS</th>
<th>FOR OPERATOR’S USE</th>
<th>FOR GOVERNMENT USE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Monthly Total</td>
<td>Totals Previously Reported</td>
</tr>
<tr>
<td>(1) Independent Contracts:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short Form</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling</td>
<td>$14,555.52</td>
<td>none</td>
</tr>
<tr>
<td>Bulldozing</td>
<td>$2,800.00</td>
<td>none</td>
</tr>
<tr>
<td>Crosscutting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drifting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) Labor and Supervision:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Labor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervision</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) Operating Mat'ls. and Supplies:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timber</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pipe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4) Operating Equipment:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rental</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purchase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depreciation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(5) Initial Rehabilitation and Repairs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(6) New Bldgs., Improvements, etc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(7) Miscellaneous:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repairs to Equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sampling and Analysis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payroll Taxes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liability Insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(8) Contingencies (specify):</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTALS:** $15,835.52 none 15,835.52

I certify that the above bill is correct and just and that payment therefor has not been received.

**Per** Charles K. Woodard

Title Partner

**NOTE:** Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$14,251.97

Signature

(Authorized Certifying Officer)

Date 10/27/53 Vol. No. 51-52

(See other side)
The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) Form MF-104—Operator's Monthly Report and Voucher.—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) Form MF-104A—Operator's Unit Cost and Progress Report.—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, worker's compensation insurance, repairs to equipment and sampling and analysis. Only part of payroll taxes, liability insurance and worker's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the original of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under Item (1) of Form MF-104 by detailing as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, excavating, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

MONTHLY REPORT OF OPERATOR

The expenditures made for renting equipment belonging to a
## United States Department of the Interior
### Defense Minerals Exploration Administration

**Operator's Unit Cost and Progress Report**

- **March 26 to April 30, 1953**
- **Operator's Name:** Boomerang Mining Company
- **Address:** Box 112, Gateway, Colorado
- **Contract No.:** IDM-E-445
- **Minerals:** Uranium

<table>
<thead>
<tr>
<th>Operation</th>
<th>Unit</th>
<th>Costs This Month</th>
<th>Units This Month</th>
<th>Costs to Date</th>
<th>Units to Date</th>
<th>Unit Costs</th>
<th>Authorized by Contract</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drifting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crosscutting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raising</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shafts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winzes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Core Project I</td>
<td>Feet</td>
<td>12,500</td>
<td>4</td>
<td>1020</td>
<td>478</td>
<td>3.04</td>
<td>7440</td>
</tr>
<tr>
<td>Core Project II</td>
<td>Feet</td>
<td>1,400</td>
<td>24</td>
<td>478</td>
<td>3.04</td>
<td>7440</td>
<td>8.04</td>
</tr>
<tr>
<td>Core Project III</td>
<td>Feet</td>
<td>1,400</td>
<td>24</td>
<td>478</td>
<td>3.04</td>
<td>7440</td>
<td>8.04</td>
</tr>
<tr>
<td>Stripping</td>
<td></td>
<td>1,280.00</td>
<td>128</td>
<td>1,280.00</td>
<td>128</td>
<td>10.00</td>
<td>150</td>
</tr>
<tr>
<td>Trenching</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Pits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roads and Trails</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Distributed Costs:</strong></td>
<td></td>
<td>15,835.52</td>
<td></td>
<td>15,835.52</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Operating Equipment Purchased**
- Initial Rehabilitation and Repairs
- New Buildings, Improvements, etc.

| **Total Costs** | 15,835.52 |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

**Date:** May 5, 1953  
**Operator:** Boomerang Mining Co.  
**Per:** Charles V. Woodard  
**Title Partner:** Charles V. Woodard

**Remarks:**

---

**NOTE:** Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

**Instructions on reverse**

**For Government use only**
INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

October 22, 1953.

Memorandum

To: T. A. Christensen
From: Executive Officer, DMEA Field Team, Region IV

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report
Date Received in Field Office
Date Received in Region Office

May 9, 1953.
October 13, 1953.
October 21, 1953.

Enclosures

NDB: cwm

cc: Contract
    Secretary to the Oper. Comm. (2)
    SW Wilson
    Chron.

John F. Shaw
For W. N. King
October 19, 1953

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA-2446 (Uranium), Contract Idm-4445, Boomerang Mining Co., Grand County, Utah, AF-104 forms for the period March 26 to April 30, 1953

Transmitted herewith are the required AF-104 forms and supporting information concerning expenditures under the subject contract for the period March 26 to April 30, 1953.

Operations during the reporting period consisted of diamond drilling 4,708 feet in 39 holes and rim stripping totaling 128 hours. The diamond drilling was conducted in three general areas. On the Boomerang No. 2 claim in the vicinity of the Cervusite mine, diamond drilling disclosed an extension of the ore body presently being mined. A total of 9 holes was drilled behind lenses of mineralization exposed by rim stripping on claims of the Grandee and Uramtah groups. All hole locations are shown on figures 1 and 2 attached to the AF-104 forms.

All work completed during the reporting period was done in an efficient manner. The operators maintain the proper plan maps and geologic sections illustrating the progress of the work. This information was used by the DMEA representatives in preparing reports on the operation.

The diamond drilling and rim stripping accomplished during the period are in conformance with terms of the contract and amendments thereto. It is recommended that the operator be reimbursed by 90 percent of the reported expenditures.

The present AF-104 forms were received from the operator October 13, 1953. Delay in transmitting the forms to Denver is the result of the heavy work load of the inspecting engineer. The forms were originally received in this office May 13, 1953, but irregularities necessitated return to the operator for correction.

[Signature]

Stephen R. Wilson

Enclosures
S. R. Wilson

H. K. Thurber, Jr.

Becket No. RMA 2446 (Uranium), Contract IDM-2446, Deseret Mining Co., Grand County, Utah. Monthly progress report and MF-104 forms for period March 26 to April 30, 1953

The subject property was inspected June 5, 1953, in company with Charles V. Woodward, Frank E. Woodward, and Harold Anderson, partners. On the same date, L. J. Eichler, project chief of the Geological Survey, was contacted concerning the results of his agency's drilling in the area and his findings relative to possible extension of the ore body found by BMA drilling.

The diamond drilling under the contract and assessments was in recess at the time of the inspection to allow the results of the Geological Survey drilling being done on claims adjacent to the project area to be interpreted. The recess was suggested by L. J. Eichler, the project geologist in charge of that agency's drilling program in the area. A geologic map and sections have been made from the drilling data, and additional hole sites have been suggested by Mr. Eichler upon which drilling was resumed on July 30, 1953. The suggested pattern of these holes is shown on a map attached to a memorandum from R. F. Fischer, Colorado Plateau District Office of the Geological Survey, to A. J. Kochmann dated August 18, 1953.

During the reporting period, the operators drilled 39 holes totaling 4,708 feet; 2633 feet of drilling remains under the contract. Thirty of the holes were drilled in the area of the Cermitite mine workings and 9 holes were drilled behind ore leases exposed by rim stripping on claims of the Grandine and Buntah groups. The locations of all the holes drilled are shown on figures 1 and 2, attached. The money expended during the reporting period for diamond drilling totals $14,558.50, and for rim stripping, $1,280.00. The latter amount represents 120 hours of bulldozing, leaving 22 hours in this category unexpended.

The diamond drilling in the area of the Cermitite mine workings on Bama No. 2 claim has discovered an extension of the ore body presently being mined underground. Holes 605, 619, 626, and 639 are considered by the operator to have penetrated mappable ore, and Holes 611 and 615 are mineralized, but are below ore grade at 555 feet. These holes and the approximate outline of the extension of the ore body are shown on figure 1, attached. The operators estimate that sufficient ore has been discovered to maintain an operation for a minimum of 2 years. A recommendation of certification of discovery will be made.
The operator's narrative report outlines the work done and the results accomplished. The comments on the individual holes are sufficient, but it was noted that Hole 613 was not included in the list of holes in the narrative. A letter requesting information on this hole was sent to the operators, and their reply was received August 30, 1953. In the paragraph numbered 2, the operators state:

"The story on DD hole 613 is unfavorable. The sandstone at the ore horizon is 36 ft. thick, very clean and medium grain; no altered blue clay on top of sand and only slightly altered at the bottom of the sand. This hole was partially gamma ray logged by the F.S.G.S. They were unable to reach bottom, but no indication of mineralisation was found."

Certified drill logs are presented with the MF-104 forms. In this connection, the operator notes that the holes were also logged by L. J. Rieker of the Geological Survey for that agency's use. These logs are filed in R. F. Fischer's office, Grand Junction, Colorado.

The work done during the reporting period was accomplished in a workmanlike manner by the operators and their subcontractors. Difficult drilling was encountered in the 9 holes drilled on Grandee No. 1, Grandee No. 2, and Uranite No. 2 claims, figure 2, wherein badly fractured ground resulted in loss of water and poor core recovery. The over-all average core recovery for these 9 holes was 76.0 percent, while the core recovery for the 30 holes drilled near the Gervaisite mine workings was 85.3 percent. The cores from all the drilling were logged either as they were pulled, or shortly afterward, and the cores were properly stored in wooden core boxes until removed by the representative of the Geological Survey for storage or disposal.

The operators maintained maps and geologic sections of the work as it progressed, which were helpful in planning additional holes, based upon geologic data gathered from preceding holes. This information was used by the Geological Survey in preparing geologic sections. Other records of the work during the reporting period were well maintained and properly presented.

Inasmuch as the project was recessed at the end of the reporting period, a summary of the funds expended and the units of work accomplished and remaining under the contract follows:

Bulldozing:

<table>
<thead>
<tr>
<th>Total Contract Amount</th>
<th>Expended</th>
<th>Remaining</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulldozer hours</td>
<td>150 hours</td>
<td>128 hours</td>
</tr>
<tr>
<td>Funds expended (at $10 per bulldozer hour)</td>
<td>$1,500.00</td>
<td>$1,280.00</td>
</tr>
</tbody>
</table>

Diamond Drilling:

|                       |          |           |
| Footage in all areas  | 7,440 ft.| 4,758 ft. | 2,682 ft. |
| Funds expended (at $3.04 per foot) | $22,617.60 | $14,555.52 | $8,062.08 |

This summary shows that $5,962.08 remains to be expended on drilling and $220.00 on bulldozing, a total of $6,282.08 remaining on the project.

The NF-104 forms for the reporting period correctly reflect the work accomplished and the expenditures made under the subject contract, and amendments, to April 30, 1953. The operator's narrative report is complete in outlining the results of drilling and rim stripping on the property. It is recommended that the operators be reimbursed in the amount of $14,251.97, which is 90 percent of $15,835.52, the total expenditures on the property for the reporting period.

W. K. Thurber, Jr.

W. K. Thurber, Jr.
NARRATIVE REPORT COVERING THE PERIOD MARCH 26 TO APRIL 30, 1953

PROJECT I DIAMOND DRILLING

From the results of the drilling done on Project I the structure favorable for ore deposition seems to be a sand that is from 20 to 25 feet thick, medium grained with much trash (much organic matter such as leaves and twigs). The sand is covered with 2 to 5 feet of altered blue shale and is underlain by blue shale from 2 feet to 3 feet thick. Sand unfavorable for ore deposition seems to be clean, course grained and either thinner than 20 feet or thicker than 30 feet overlain and underlain by unaltered red shale or very thin altered blue shale.

Drilling was started on March 26. Holes, numbers 606, 607, 608 and 609 were drilled to test the structure in the west section of the mine. Holes 606 and 607 were definitely unfavorable. Holes 608 and 609 seemed to be favorable at the time they were drilled, the sand was thick (35 ft) and there was slight alteration to blue shale on the bottom of the sand. Hole 610 was unfavorable and showed that the sand was lensing out to the west and south.

Hole 633 was drilled between hole 608 and the workings where a large stope had been mined.

U.S.B.M. holes 830 and 831 seemed favorable so hole 620 was drilled to test this area.

In the east area holes 602, 603, 612 and 614 were drilled to test for structure. Hole 603 was favorable and hole 612 showed slight mineralization. These holes showed our proposed ore channel was either disappearing or turning easterly. Holes 601, 605, 611, 615, 616, 617, 622 and 623 were drilled to determine if the channel was turning. Hole 605 hit ore, holes 611, 615, 617 were favorable and showed very slight mineralization. Hole 616 showed much slump structure and determined the north easterly limit for further drilling.

Holes 604, 618, 619, 621, 626, 628 and 629 were drilled to test the channel. Hole 604 showed the same slump structure as hole 616. Holes 619, 626 and 629 hit ore.

Holes 624, 625, and 627 were drilled to test a showing of mineralization on the rim and also to determine the north easterly limit of the ore channel.

The cores have been split, sampled and are now at the assayers.

Mr. Lee Eicher - Project Geologist, Beaver Mesa, from Grand Junction office of U.S. G.S. has logged all the cores and has gamma-ray logged a few holes.
Diamond drill hole 613 is classified as unfavorable. The sandstone at the ore horizon is 36 feet thick, very clean and medium grain; no altered blue clay on top of sand and only slightly altered at the bottom of the sandstone. This hole was partially gamma-ray logged by the U.S.G.S. They were unable to reach bottom, but no indication of mineralization was found.

PROJECT III
BULLDOZING AND DIAMOND DRILLING

Rim stripping by bulldozer was started March 26. We were fortunate in having a very good dozer operator and the work progressed rapidly.

Four mineralized areas were exposed by the stripping as shown on the enclosed map.

Three holes were drilled to a depth of approximately 110 feet to test area A, these were holes 630, 631, and 632.

Three shallow (approximately 60 ft) holes were drilled to test area C. These were holes 634, 635, and 636.

The drilling was disappointing mainly due to the fact that the areas that were drilled were fractured making coring extremely difficult. The core recovery was very bad at the depths where there was possible mineralization so the drilling was stopped.

PROJECT II

Three holes were drilled to a depth of (approximately 90 ft) to test the showing on area B. These were holes 637, 638 and 639.

The Grand Junction office of the U.S.G.S. is now carrying out a drilling project in this area. The tentative plan is to drill widely spaced holes to the east and north of our workings. We would like to recess our DMEA drilling until this drilling is completed. The footage allotted to the North Draw area and the footage left from Project I and III then could be used in the area that is most favorable.

On the map for Project I we have proposed a few additional holes in the proposed ore channel, perhaps if the North Draw area of Project II is unfavorable for mineralization some of that footage could be transferred to Project I.
December Mining Company
P. O. Box 32
Grand Junction, Colorado

To:     WMA-2446 (Operator)
December Mining Company
Coronation Mine
Montezuma County, Colorado
Contract No. 2446

Subject:

By the terms of the subject Implementation Project Contract, as amended, and the circumstances endured to date, all production made or produced since November 1, 1963, is subject to the Government's registry on a forth-in-kind contract.

As the period during which production was subject to royalty has now expired, the Government is demanding on the present records records no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

George Fumich, Jr.

December Mining Company

February 15, 1964

cc:   Gulf Oil Company, P.O. Box 2643, Salt Lake City, Utah
     Mr. P. Kay Smith, Gillette, Colorado
     Director's Banking Files
     AMA Division
     Region III (2)
     Denver
     Code 200
UNDERTAKING CONCERNING ROYALTY

WHEREAS, by an instrument dated March 7, 1955, the undersigned acquired the entire interest in certain unpatented lode mining claims situate in West Gateway Mining District, Grand County, Utah (the "land"), described in Exploration Project Contract Idm-E445, Docket No. DMEA-2446, dated November 4, 1952 (the "Contract"), between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration (the "Government"), and Boomerang Mining Company (the "Operator"), as follows:

Bonanza No. 1 and No. 2, Book 9-J, Page 31; Bonanza No. 6, Book 9-J, Page 254.

Urantah No. 1 and No. 2, Book 9-J, Page 35

Grandco No. 1, No. 2, and No. 3, Book 9-J, page 34;

and

WHEREAS, pursuant to the Contract, said land and any production therefrom are subject to royalty rights of the Government and liens to secure the royalty, and the Operator is bound by the Contract not to transfer any rights in the land without making suitable provision for preservation of the Government's rights; and

WHEREAS, the undersigned acknowledges that it acquired its interest in the land with prior knowledge of and subject to the royalty rights and liens of the Government, and on condition that it would pay any royalty due the Government and preserve the Government's liens; and

WHEREAS, neither the instrument of conveyance by which the undersigned acquired its interest in the land nor the mesne conveyances preceding it contains any reference to the Government's rights, and it was intended that they contain such reference and be recorded with the official land records of Grand County, Utah; and

WHEREAS, the undersigned represents to the Government and covenants that there now are no liens or encumbrances of record against the land; and

WHEREAS, the undersigned desires the Government to release the Operator from all liability under the Contract for the payment of the Government's royalty;
NOW, THEREFORE, in consideration of One Dollar ($1.00) and other good and valuable consideration acknowledged to have been received from the United States, and as an inducement to the Government to release the Operator from all liability under the Contract for payment of royalty, the undersigned hereby grants and conveys to the Government a royalty in the amount of 5 percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the sale of any production from the land referred to above, in the form sold (ore, concentrates, metal, or equivalent). The Government shall be entitled to receive this royalty on all production made from the land during the period beginning November 4, 1952, and ending November 4, 1962, or until the Government has received royalties totaling $21,438.07, without interest, whichever occurs first, whereupon the right to royalty shall cease.

There is also hereby granted to the Government a lien upon the land and upon any production therefrom to secure the royalty due by virtue of the undertaking in this instrument, said lien to cease when the Government's right to royalty ceases.

Dated this 19th day of November, 1957.

CROFF OIL COMPANY

By W.D. Nebeker

Title President

I, Maxwell Bentley, certify that I am the secretary of the corporation named herein; that W.D. Nebeker, who signed this instrument on behalf of the corporation, was then president of said corporation; that said instrument was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Maxwell Bentley, Secretary

State of Utah
County of Salt Lake

On the 19th day of Nov., 1957, personally appeared before me W.D. Nebeker.
who, being by me duly sworn, did say, that he is the president (or secretary) of Croff Oil Company, and that the foregoing instrument was signed in behalf of said corporation by authority of its by-laws (or by resolution of its board of directors), and that said __________________ acknowledged to me that said Croff Oil Company executed the same.

(Official taking oath)
Mr. Maxwell Bentley, Secretary-Treasurer
Croft Oil Company
Box 641
Moab, Utah

Re: Docket No. DMEA-2446 (Uranium)
Contract No. Idm-6445
Boomerang Mining Company
Corvusite Mine
Grand County, Utah

Dear Mr. Bentley:

Your letter of December 6, 1957, enclosing five executed copies of the "Undertaking Concerning Royalty" has been received.

We note, however, that the original, or Government copy, was not returned, while the copy marked for the Operator was returned. We are forwarding the latter copy to Boomerang Mining Company and request that the original, or Government copy, be forwarded to this office at your earliest convenience.

We wish to thank you for the execution and recording of the above-mentioned instrument.

Sincerely yours,

C. O. Mittendorf

Administrator

MChing/gla
12-10-57
cc to: Admr.'s Reading File
      Contract Adm. & Audit Division w/cc "Undertaking"
      Mr. Ching
      DMEA Field Team, Region III (2), w/2cc Mr. Bentley's letter
      2 cc (Field Team and Finance Office copies) "Undertaking Concerning Royalty"
UNDERTAKING CONCERNING ROYALTY

WHEREAS, by an instrument dated March 7, 1955, the undersigned acquired the entire interest in certain unpatented lode mining claims situated in West Gateway Mining District, Grand County, Utah (the "land"), described in Exploration Project Contract No. E-4445, Docket No. BHEA-2446, dated November 4, 1952 (the "Contract"), between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration (the "Government"), and Acme Gateway Mining Company (the "Operator"), as follows:

Bonanza No. 1 and No. 2, Book 9-J, Page 31; Bonanza No. 6, Book 9-J, Page 254.

Utahah No. 1 and No. 2, Book 9-J, Page 35

Grandee No. 1, No. 2, and No. 3, Book 9-J, page 34;

and

WHEREAS, pursuant to the Contract, said land and any production therefrom are subject to royalty rights of the Government and liens to secure the royalty, and the Operator is bound by the Contract not to transfer any rights in the land without making suitable provision for preservation of the Government's rights; and

WHEREAS, the undersigned acknowledges that it acquired its interest in the land with prior knowledge of and subject to the royalty rights and liens of the Government, and on condition that it would pay any royalty due the Government and preserve the Government's liens; and

WHEREAS, neither the instrument of conveyance by which the undersigned acquired its interest in the land nor the means conveyances preceding it contains any reference to the Government's rights, and it was intended that they contain such reference and be recorded with the official land records of Grand County, Utah; and

WHEREAS, the undersigned represents to the Government and covenants that there now are no liens or encumbrances of record against the land; and

WHEREAS, the undersigned desires the Government to release the Operator from all liability under the Contract for the payment of the Government's royalty;
NOW, THEREFORE, in consideration of One Dollar ($1.00) and other good and valuable consideration acknowledged to have been received from the United States, and as an inducement to the Government to release the Operator from all liability under the Contract for payment of royalty, the undersigned hereby grants and conveys to the Government a royalty in the amount of 5 percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the sale of any production from the land referred to above, in the form sold (ore, concentrates, metal, or equivalent). The Government shall be entitled to receive this royalty on all production made from the land during the period beginning November 4, 1952, and ending November 4, 1962, or until the Government has received royalties totaling $21,438.07, without interest, whichever occurs first, whereupon the right to royalty shall cease.

There is also hereby granted to the Government a lien upon the land and upon any production therefrom to secure the royalty due by virtue of the undertaking in this instrument, said lien to cease when the Government's right to royalty ceases.

Dated this ______ day of November, 1957.

CROFT OIL COMPANY

By: [Signature]
Title: [Title]

I, Maxwell Bentley, certify that I am the secretary of the corporation named herein; that W.T. Nelsker, who signed this instrument on behalf of the corporation, was then president of said corporation; that said instrument was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

[Signature]
[Corporate Seal]

State of Utah
County of Salt Lake

On the ______ day of November, 1957, personally appeared before me ____________________________
who, being by me duly sworn, did say, that he is the president (or secretory) of Groff Oil Company, and that the foregoing instrument was signed in behalf of said corporation by authority of its by-laws (or by resolution of its board of directors), and that said  acknowledged to me that said Groff Oil Company executed the same.

(Official taking oath)
Mr. Frank E. Woodard, Partner  
Boomerang Mining Company  
P. O. Box 52  
Grand Junction, Colorado

Re: Docket No. DMEA-2446 (Uranium)  
Contract No. Idm-8445  
Covusite Mine  
Grand County, Utah

Dear Mr. Woodard:

We have recently received the executed copies of the instrument entitled "Undertaking Concerning Royalty," which was forwarded for execution to Croff Oil Company through you. Enclosed is the Operator's copy for your records. We are informed that this instrument is recorded in Book 87 at Pages 418 to 420 Entry No. 264715 in the Office of the Grand County Recorder at Moab, Utah.

Sincerely yours,

C. O. Mittendorf  
Administrator

Enclosure

MChing/gia  
12/10/57

ccto: Admr.'s Reading File  
Contract Adm. & Audit Division  
Mr. Ching  
DMEA Field Team, Region III (2)
MEMORANDUM

To: Associate Solicitor, Division of Mineral Resources
   Attention: Mr. Rubin

From: G. O. Mittendorf, Administrator

Subject: Docket No. 1784-1346 (Uranium)
Contract No. TC-1415
Boomerang Mining Company
Cervantes Mine
Grand County, Utah

Attached is a letter, dated October 12, 1956, addressed to the Executive Officer of Region III, which resulted from a letter, dated October 1, 1956, signed by the Administrator.

You will note that the Government's claim for $465.01 in back royalties from the subject operator has been satisfied. However, Mr. Woodard failed to make any reference to our letters of April 26 and June 7, 1956, regarding suitable provisions for preserving the Government's royalty on production and lien on the property.

Our letter of June 7, 1956, to Mr. Woodard suggested that an instrument preserving the Government's rights be executed by Croff Oil Company, the present owner of the property, "based upon proper consideration advanced by Boomerang Mining Company." This language appears to be rather vague and it is my impression that both the Boomerang Mining Company and Croff Oil Company are not sure as to the type of instrument that is required and for that reason no specific action has resulted from our letters, although the last paragraph of the letter did suggest the general type of instrument required.

It should be noted that while Boomerang Mining Company was the operator, it held only a one-half interest in the land, the other one-half interest being held by F. Roy Stone, who signed as Owner's Consent to Lien.

Subsequent to completion of the exploration project and certification of discovery, the three partners of Boomerang Mining Company and F. Roy Stone sold their respective interests in the land to James F. Martin and Cervantes. The latter company, in turn, sold
the property to Groff Oil Company. In the instruments of sale no provisions were made for the preservation of the Government's right to royalty and lien.

If possible, it is suggested that a specific instrument or instruments be drawn for the signature of the three partners of Bozeman Mining Company, F. Ray Stone, James P. Martin and Company, and Groff Oil Company, which will satisfy the requirements of the Government.

B. S. Mittendorf

Administrator

MChing/fla
10-23-56
cc to: Admr.'s Reading File
Docket
Contract Adm. & Audit Division
Code 700
Mr. Ching
P. O. Box 52  
Grand Junction,  
Colorado  

October 12, 1956

Department of Interior  
Defense Minerals Exploration Admin.  
Executive Officer Region III  
221 New Customhouse  
Denver 2, Colorado

Re: Docket No. DMEA-21446 (Uranium)  
Contract No. Idm-E1145  
Corvusite Mine  
Grand County, Utah.

Dear Sirs:

In our letter to the Executive Officer Region III dated January 25, 1956, we stated that it was our understanding that the production from the Corvusite Mine during the months of November and December 1952, would not be subject to the 5% DMEA royalty, that amendment No. 1 to the contract dated February 6, 1953 would be the effective date from which production royalties would be due, and we requested such interpretation in our letter. Evidently the Administrator of the DMEA interprets the contract and amendment differently and that royalty is due on the 1952 production.

In view of the recent letter from the Administrator of the DMEA we are submitting our personal checks for the amount due of $455.01. One check from Charles V. Woodard for $232.51 and a check from Boomerang Mining Company signed by Frank E. Woodard for $232.50.

This should close this subject relative to the DMEA and the Boomerang Mining Company. However, if any additional information or service is needed please write to us.

Sincerely yours,

Boomerang Mining Company

/s/ Frank E. Woodard

Frank E. Woodard

CC: Administrator DMEA  
Washington, D. C.  
CC: Mr. Maxwell Bentley  
Croff Oil Company

Enc: 2
Mr. Frank E. Woodard
Bonsite, Mining Company
P. O. Box 52
Grand Junction, Colorado

Re: Bonsite, Mining Company
P. O. Box 52
Grand Junction, Colorado

Dear Mr. Woodard:

This will acknowledge receipt of your letter dated October 23, 1956, to our Executive Officer at Denver enclosing checks totaling $448.01 for royalty on production made during November and December 1955, for which we thank you.

It was noted that your letter concluded that “This should close this subject relative to the Bonsite and the Bonsite Mining Company . . .” If by this statement you mean that the matter of all royalty under the subject contract is closed as to your company, we do not agree.

You will recall that our letter dated April 22, 1956, to your company stated that from our review of copies of the instruments transferring to Croff Oil Company title to the land under the subject contract, it appeared to us that said company had been denied a little clear of the Government’s rights; and that this did not constitute making “suitable provision” for preserving the Government’s rights to royalty and Their therefor, as required by the exploration contract.

Your letter dated May 21, 1956, to this agency, transmitted a letter from Croff Oil Company addressed to the Bureau of Mines of this Department, acknowledging the Government’s rights to royalty under the subject contract. Your letter also stated that your company be relieved of liability for further payment of royalty, and stated that if we determined that an instrument should be recorded in this connection, you would obtain it. Our letter to you dated June 7, 1956, stated that an instrument executed by Croff Oil Company should be recorded, and we outlined the nature of such an instrument.

Although the Government currently is receiving royalty from the Croff Oil Company pursuant to an apparently unwritten understanding with your company to pay it, as a matter of record the Croff
Oil Company owns the land free of the Government's rights. Therefore, the Government does not consider that suitable provision has been made for the preservation of its rights to royalty and lien to ensure the payment thereof. Should payment not be made at any time in the future, the Government would look to your company for payment. On the other hand, should the Government's rights to royalty and lien properly be made a matter of record so that they are not subordinate to any intervening liens, we would consider your company discharged of the obligation to pay it.

The nature of an instrument appropriate for recording, to be executed by Groff Oil Company, was outlined in our letter to you dated June 7, 1936. If you so indicate, we would attempt to draft an appropriate instrument for your use.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

MEMO

Copy to: BREA Dept.
Adm. R. Files
T. L. Killingsworth, USGS
J. S. Crawford, U.S.M.
Field Team, Eng. III (2)
E. V. Ellis
J. L. Chambers
A. F. Dayar
H. C. Rubin
W. F. Ruben

2
Mr. Frank E. Woodward, Partner
Beaverung Mining Company
P. O. Box 58
Grand Junction, Colorado

Re: Docket No. DEAM-6446 (Uranium)
Contract No. MA-84445
Cerro Rico Mine
Grand County, Utah

Dear Mr. Woodward:

This will acknowledge your letter dated May 21, 1956, concerning the subject contract.

Your letter stated that you would obtain and record an instrument preserving the Government's lien for royalty, if you deem it necessary. At the same time you indicated a desire to be relieved of the responsibility for payment of royalty.

In those circumstances, it is our view that the Government's liens on the land and on production therefrom should be recorded. It would seem that since Croff Oil Company now is the record owner, such an instrument should be executed by it, based upon proper consideration advanced by your Company.

The Government has no specific forms covering such a transaction. However, it is suggested that an instrument containing a positive undertaking by Croff Oil Company to pay the Government's royalty, in the amounts and for the period provided by the subject contract, secured by positive grants of liens on production and on the land, will be acceptable. The Government should be furnished with a copy of said instrument and a reference to the Book and Page numbers where it is recorded.

Sincerely yours,

G. O. Mittendorf

Administrator

June 4, 1956

Copy to: AMEA Docket
Adm. Reading File
Operating Com.
Tellellagenard, U.S.S.
J. H. Crawford/En 3643

ENELLIE (2)
LIBS/En 4448
Field Team, Reg. III (2)
K. D. Boyer
KENBIA

Pending
Chrom.
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C.

APR. 26, 1956

DOMERARY MINING COMPANY
Deseret, Utah

PO Box 52

Deseret, Utah

Grand Junction, Colo.

To: Booklet No., DERA-2445 (Uranium)

Deseret, Utah, and Grants claims
Grand County, Utah

Contract No. Idm-E445

Gentlemen:

The Executive Officer, Region III, has submitted to us copies of instruments transferring your interests and the interest of F. Roy Stone in the land which was the subject of an exploration project under the subject contract.

It would appear from our review of those instruments that the rights of the Government with respect to royalty on production and the liens to secure same have been ignored. Your letter dated January 23, 1956, to the Executive Officer stated, in effect, that J. F. Martin & Company accepted its option to buy the land "with full knowledge of the Government's right to a percentage royalty . . . and lien . . ." and that Groff Oil Company is operating the property "with due regard to payment of 3% royalty . . . to the Defense Minerals Exploration Administration . . ." However, although the Government has been receiving royalty, we have no written evidence that these companies assumed such obligations. On the contrary, the evidence submitted indicates that Groff Oil Company has been deemed a title clear of the Government's lien.

We direct your attention to Article 7 of the contract which provides, in pertinent part, that: "The Operator shall not make any . . . transfer or conveyance of the Operator's rights in the land . . . without making suitable provision for the Government's right to a percentage royalty on production and lien for the payment thereof . . ." The article also provides that in the event of violation of this provision . . . the Operator shall be and remain liable for payment . . . of the Government's royalty. In the absence of written evidence of an agreement wherein your transfers assume the obligation for royalty and lien, it is our view that the transfer of your interests in the land did not make "suitable provision" for the preservation of the Government's royalty and lien, and the Government shall continue to hold you accountable for payment of royalty.
We have also noted that F. Ray Stone conveyed his interest in the land in question without preserving the linn, which he granted to the Government in the Grantee-to-Lien form executed by him, and, in a separate letter, we shall inform him of his defaults under this obligation.

Sincerely yours,

Administrator

MC/Robin/ed
4/19/54

Copy to: DM&IA Bechet
        Adj. R. File
        Operating Committee
        F. E. Ellingson, USGS
        J. E. Crawford, USGS
        Field Team, Reg. III (2)
        R. W. Hille
        J. L. Chambers
        R. P. Boyar
        W. G. Rubin
        chron. pending
Mr. F. Roy Stone
Clothes, Colorado

Mr. F. Roy Stone
Clothes, Colorado

As: Boacott No. BMA-2446 (Uranium)
Boacott Mining Company
Bonanza, Urenthal, and Grandee claims
Grand County, Utah
Contract No. 162-2445

Dear Mr. Stone:

The Executive Officer, Region III, has furnished us with a copy of the Special Warranty Deed dated September 26, 1954, by which you transferred your interest in certain unpatented mining claims to James F. Martin & Company. In this deed you undertook that the conveyance was "free and clear of and from any and all liens or encumbrances placed thereon . . . ." by you.

We should like to remind you of the Consent-to-Lien forms executed by you on November 1, 1953, and September 26, 1953, in which you granted to the Government liens, to secure royalty, upon the same claims as those conveyed in the Special Warranty Deed previously referred to above, and you also undertook to "commit no act nor assert any claim that may interfere or conflict with the liens . . . ."

We consider the warranty, in the conveyance to James F. Martin & Company, that you had not placed any lien upon the land, as being in conflict with your prior undertakings in the Consent-to-Lien forms which you executed and as such a default of said undertakings. Accordingly, the Government shall continue to look to you to secure any royalty that may be due it under the subject contract.

Sincerely yours,

C. O. Mitterdorf

Administrator

McBride/and
4/19/56
Copy to: BMA Boacott
Adm. R. File
Operating Committee
T. E. Hilliard, USGS
J. E. Crawford, USRM
Field Team, Reg. III (2)
K. W. Ellis

J. L. Chambers
R. F. Bower
H. C. Rubin

Pending
Mr W M Traver Executive Officer
DEIA Field Team Region III
224 New Costumhouse
Denver 2 Colorado

Re: Bucket No. 1924-46 (Uranium)
Beaver Mining Company
Beckham Uranium and Brandon Claims,
Grand County Utah
Contract No. Idn-2445

Dear Mr. Traver:

We have reviewed your memorandum dated March 16, 1956
and your Operating Committee, concerning the several conveyances of
the land which is subject to royalty pursuant to the provisions
of the subject contract.

Attached hereto are proposed letters from the Administra
tor to the Operator and to Mr. F. Roy Stone who signed Consent-to-
Lien forms which we believe express the rights of the Government
against each party. If you agree with the contents of the letters
please send them on.

The essence of your memorandum is that you have difficulty
in some cases in keeping abreast of transfers that are made of a
given piece of property, and you believe that recording of the Gov
ernment's lien is the best method of doing so.

The contract form involved in this case (1952 form) re
quires, as is stated in our letter to the Operator, that the Oper
ator make suitable provision for the Government's right to royalty
and lien in the event of the transfer of its interest in the land.
It provides further, that should the Operator violate this provi
sion it remains liable for royalty. This contract form is not very
specific as to what constitutes "suitable provision." However, we
have taken the position that anything less than written assumption
of the obligation to pay royalty and lien is not a "suitable pro
vision." You will note that the intent contract forms (Revised 1954)
spells out this requirement with particularity, requiring that an op
erator include in any instrument of transfer an express reference to
and provision for preservation of the Government's right to royalty
and lien.

Our memorandum dated February 21, 1956, discussed the
problem raised in your March 16, 1956, memorandum in connection
with Gateway Mining and Development Company Contract IDM-2408, and it was stated therein that:

"There is little question that recording the Government's lien would give greater security for the Government's claim for royalty. However, in the past, the decision not to require recording of liens has always been dictated by practical considerations, discussed in the enclosures referred to above. Apart from the problem of collecting royalty, even if a lien were recorded you would be no better off in tracking down the current landowner or landholders; you would still have to seek them out if you wished to know who they are and had not been informed as to their identity."

After reviewing your letter our opinion remains unchanged for the same reasons that we have previously given.

We are in sympathy with your problems, and it is not expected that you perform the impossible in connection with your efforts to collect royalty. In general, in the absence of proper information from an operator that the land has been transferred subject to the Government's royalty and lien, you should communicate with him directly concerning royalty matters. Physical inspection of an operation, contemplated by DMA Circular 36, usually will disclose occupancy of the land by a transferee, in the case of a transfer of which the Government has not been properly informed. Where you determine it to be unnecessary, Circular 36 also suggests methods of verifying production figures. Of course, you should continue to submit to us difficult cases and cases of irregularity.

It is noted that in the instant case the Operator's letter dated January 23, 1956, to you states that Croft Oil Company is operating the property with knowledge of the Government's right to royalty, and that Croft, in fact, is paying royalty. You are advised to continue accepting royalty from that Company.

We expect that our letters to Boomerang and Stone will bring forth more satisfactory information concerning the transfer of land. Should they not, we will take further action.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

[ICRuin/wmd/wog
April 19, 1956
Copy to:
DEA
Am.Read.File
per Com.
E.Crawford
E.Kilsgaard
W.Ellis
P.Dwyer
G.Rubin

Ending
iron.

Approved:

/s/ Robert W. Geehan
Member, Bureau of Mines

N. E. Nelson
Member, Geological Survey
CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Boomerang Mining Company, a partnership consisting of Harold C. Anderson, Frank E. Woodard and Charles V. Woodard
Box 112
Gateway, Colorado

Pursuant to the provisions of Exploration Project Contract No. EDM-1245, dated November 4, 1952, (Docket No. DOE-2446), hereinafter called the "contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

Uranium and vanadium bearing ore zones occurring on the property described in Article 2 of the subject contract, as amended. The ore is associated with carbonized plant remains in arkosic sandstone and is found in the upper part of the Salt Wash member of the Morrison formation.

Dated: NOV 2 - 1953

MChing/gla/db
10-27-53
cc to: Operator (Original)
Contract Adm. & Audit Division
Field Team, Region IV (2)
Finance Office
Division, Rare & Misc. Metals
Mails & Files (docket)
Mr. Irving Gumbel, Director
Materials Division, EPS.
Adm. Reading File
Operating Committee
Mr. Hedges, Rm. 4604
Mr. Thayer, Rm. 5216, GSA
Mr. F. E. Johnson
Mr. Ching

THE UNITED STATES OF AMERICA

By
Administrator, Defense Minerals Exploration Administration
UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

NOV 3 1953

To

Mr. Russell, Director
Specials Division

2307 Constitution Avenue
Washington 25, D. C.

This is a copy of a certification of discovery of defense minerals made under the terms of the contract No. 284-305. Therefore, the final report of the field team is not available at this time. If completed, a copy will be forwarded for your information.

C. O. Mittendorf

Director

Closure

"Ching/Ln/H"
10-25-53

cc to:

Operating Committee
Mr. Hodges; Mr. Rockefeller
Mr. Palmer, Em. 5216, GSA
Contract Admin. and Audit Division

Files of Files Docket

Misc. Metals Div. (Mr. Ellis)
Mr. Johnson

Field Team, Region IV (2)
EXPLORATION PROJECT CONTRACT
BOOMERANG MINING COMPANY
DOCKET NO. DMEA-2446

AMENDMENT NO. 5

It is agreed this 12th day of October, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Harold C. Anderson, Frank E. Woodard, and Charles V. Woodard, Partners, doing business as the Boomerang Mining Company, hereinafter called the "Operator," parties to Exploration Project Contract Idm-E445 (Docket No. DMEA-2446) dated November 4, 1952, that said contract, as amended, be further modified and amended as follows:

1. Annex I attached to the contract and referred to in Article 2 thereof is hereby amended by adding under the respective headings the following material:

<table>
<thead>
<tr>
<th>Claim</th>
<th>Recording Date</th>
<th>Page</th>
<th>Book</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Bonanza No. 6&quot;</td>
<td>May 28, 1949</td>
<td>&quot;254&quot;</td>
<td>&quot;9-J&quot;</td>
</tr>
</tbody>
</table>

(The Bonanza No. 6 claim was covered by a prior Federal oil and gas lease, but the Operator, on August 19, 1953, in accordance with Public Law 250, 83d Congress, S. 1397, recorded an amended location notice in the office of the Recorder of Grand County, Utah, in Book 11 of Mining Records, at page 11, with Entry No. 212868.)

2. This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the agreed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

BOOMERANG MINING COMPANY

By Harold C. Anderson (Partner)

By Charles V. Woodard (Partner)

By Frank E. Woodard (Partner)

THE UNITED STATES OF AMERICA

By [Signature]
Administrator, Defense Minerals Exploration Administration
WHEREAS, the undersigned, as owner, co-owner, lessee, or seller has an interest in certain property in the State of Utah, County of Grand, described as follows: 1/ 

Bonanza No. 6 unpatented mining claim, recorded in Book 9-J, page 254,

Grand County Recorder's Office, Moab, Utah

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Boomerang Mining Company, a partnership consisting of Harold C. Anderson,

Frank E. Woodard and Charles V. Woodard

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production (as set forth on the reverse side hereof) and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government’s equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof, there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom, until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions: 

None

Dated this 28th day of September, 1953.

[Seal]

[Seal]

[Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated ____________, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.
**Relevant Contract Provisions**

**Repayment by Operator.**—a. **Certification.**—If at any time the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the final report and final account, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

b. **Percentage royalty.**—The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2,—(1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years (or other period fixed by the contract) from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, as follows:

(a) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(b) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

c. **Definitions.**—As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

d. **Lien for Payment.**—To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

e. **Notice to Purchasers.**—The Operator shall notify any purchaser of the production of the Government's royalty interest, and shall authorize and direct the purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets; but failure or refusal by the purchaser to comply shall not relieve the Operator of liability to pay any royalty falling due.

f. **New Obligation to Produce.**—This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.
Contract Docket No. DMEA-2446, dated November 4, 1952, between the United States of America and Boomerang Mining Company, a partnership consisting of Harold C. Anderson, Frank E. Woodard and Charles V. Woodard, is hereby amended as follows, effective as of the date of said contract:

Referring to EXHIBIT "A" attached to Exploration Project Contract Form MF-200(A), void EXHIBIT "A" in its entirety, except for the map, Figure 3, attached thereto, and in lieu thereof substitute the following:

EXHIBIT "A"

Description of the Work

The exploration work will be performed in three general areas and will consist of drilling 7440 feet of diamond drill holes in the general localities as indicated by Areas I, II and III on Figure 3 attached; and stripping of approximately 1800 feet of rim in the locality of Area III along the sandstone outcrop of the salt wash member of the Morrison formation. The locations of drill holes as indicated on Figure 3 are tentative. The location of holes and extent of drilling may be varied between and outside of the three specific areas, depending on conditions encountered as the work progresses, subject to the approval of the DMEA representatives, except that drilling and rim stripping shall be confined within the boundaries of mining claims on which the operator undertakes and agrees to pay all sums that may fall due and owing to the United States of America under the terms of said Contract Idm-E445.

Costs of the Project

Diamond drilling, 7440 feet at $3.04 per foot... $22,617.60
Rim stripping, 150 hours of bulldozer work @ $10.00 per hour................................. 1,500.00
Total cost of the project......................... $24,117.60
Government participation at 90%................ $21,705.84
This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated OCT 6 1953

BOOMERANG MINING COMPANY

By Harold C. Anderson, Partner

By Frank E. Woodard, Partner

By Charles V. Woodard, Partner

UNITED STATES OF AMERICA

By W.H. King, Executive Officer, DMEA Field Team, Region IV
Memorandum

To: W. H. King, Executive Officer, DMEA, Region IV
From: Chief, Minerals Development Branch, Mining Division, Region IV
Subject: Docket No. DMEA 2446 (uranium), Contract Idm-E445, Boomerang Mining Co., Grand County, Utah

Attached are the original and seven copies of a memorandum prepared by H. K. Thurber pertaining to the subject docket, with suggestions concerning changes in the contract to conform with geologic and operational conditions on the property.

Information contained in Thurber's memorandum was assembled as a result of discussions in your office August 13 and 14, 1953, and conversations with R. P. Fischer, J. W. Hasler, and L. J. Eicher, Geological Survey, Grand Junction, Colorado. Discussions were had also with the operator subsequent to the above meetings.

If you believe the information can be more effectively presented in any other manner, please advise.

Stephen R. Wilson

Encls.
S. R. Wilson

H. K. Thurber, Jr.

Department of the Interior, Bureau of Mines, Contract Idm-8445, Boomerang Mining Co., Grand County, Utah. Discussion of NF-104 forms for the period March 26 to April 30, 1953, and recommendations for extension of original project areas.

The subject NF-104 forms with supporting data have been reviewed and the contents of Mr. King’s memorandum of July 6, 1953, noted. Pursuant to the memorandum and subsequent talks with personnel in Mr. King’s office concerning the best method of reimbursement to the operators, the questions involved were discussed with members of the Geological Survey staff in Grand Junction, Colorado, familiar with the subject property. The proposed method of settlement agreed upon in Denver was discussed with the operators at the property on August 17, 1953, at which time the operators expressed the desire to be paid for the entire group of holes drilled during the reporting period rather than part of the holes, an alternative suggested by the Denver office to expedite partial payment.

The NF-104 forms and supporting documents show that 4,788 feet of diamond drilling and 128 hours of bulldozer work were done from March 26 to April 26, 1953. The project work was recessed on April 30, 1953, at the suggestion of the Geological Survey pending study of the results of that agency’s drilling in order that the 2,650 feet of drilling remaining under the contract could be most effectively used by the operators. Amendment No. 2 to the contract allows the recess for the period of April 30, 1953, to July 10, 1953. Drilling could not be resumed by July 10 and the operators in a letter dated July 9, 1953, requested an extension of recess period. Drilling was resumed July 30 and in the opinion of personnel of the Denver office, expressed during discussions of the matter, an amendment to extend the recess period will not be required.

The attached maps show the holes drilled on the subject property during the reporting period under Contract Idm-8445. Figure 1, “Sketch map showing approximate location of holes drilled,” indicates the location of holes drilled in the vicinity of the mine workings. The map also shows the boundaries of Area I as outlined in the contract, and the relation of the ore discovered by the BLM drilling to the claims boundary and the existing workings. The holes in the 600 series are those drilled recently under the subject contract while those in the 800 series were drilled by the Bureau of Mines in 1945 under the Strategic Minerals Program. Figure 2, “Sketch map of work performed, Boomerang Mining Co.,” shows the rim stripping and diamond core drilling done on the Grandoo and Uranthah groups of
claims. This work is only partially in Area III designated by the contract. This map shows that no work was accomplished in Area II designated by the contract.

It is obvious from a study of the above-described maps, and maps included as part of the contract, that much of the diamond drilling done by the operators was outside the areas designated as "target areas" in the original report of examination. Referring to Figure 1, attached, it is evident that the mineralized area found by drilling reported by the subject MS-104 forms covers only a small section in the northeast corner of Area I which bears out the contention that in this instance an attempt to set a limited boundary of the area to be explored reduces greatly the effectiveness of an exploratory program and materially reduces the chances of finding ore. This reasoning is generally applicable to Colorado Plateau uranium deposits which are, for the most part, irregular in both plan and vertical dimension.

In this connection, it will be noted that the drilling done by the operators follows, in general, the pattern outlined by the examining geologists, and illustrated in their map accompanying the original examination report. Discussion with one of the examining geologists in the Salt Lake City office reveals no intent on their part to strictly specify limited areas of work in their recommendations.

At a meeting of the inspecting engineer with personnel of R. F. Fischer's office, Grand Junction, Colo., on August 18, 1953, the matter of drilling on sites outside the specific areas outlined in the contract was discussed. A memorandum dated August 26, 1953, from R. F. Fischer to A. H. Kochmann, to which reference should be made, resulted from this meeting. In the opinion of the project geologist for the Beaver Mesa area, under whose supervision the Geological Survey reconnaissance diamond drill holes in the Cervantite area were drilled, the holes drilled by the operators outside the specified project areas were valuable in delineating the "favorable" and "semi-favorable" zones on the Bonanza, Uranite, and Grandee groups of claims and were in no sense wasted. The majority of the holes were located on sites suggested by the DNIA representatives on a geologic and engineering basis and after discussion with the operators. The "favorable" area outlined and the uranium mineralization discovered by drilling under the DNIA contract and by Geological Survey drilling is shown on a map attached to a memorandum from R. P. Fischer to A. H. Kochmann and W. H. King dated August 19, 1953. The map is Figure 1, "Map of Cervantite Mine and vicinity, West Central Beaver Mesa, Grand County, Utah."

Hole sites suggested by the project geologist on a basis of previous DNIA and Geological Survey drilling as the most efficient use of the 2,458 feet of drilling remaining under the contract are shown on this map and described in the above-mentioned memorandum. These sites are within the zones believed to be favorable and extend
into the southeast corner of Bonanza No. 2 claim and tentatively into Bonanza No. 6 claim. It should be noted that all but three of these holes lie outside the Area I specified in the contract.

The operators have requested that Bonanza No. 6 claim be included in the list of claims in Article 2 of the contract. This will be necessary if drilling is to be done on the claim as recommended by the Geological Survey memorandum. The operators have filed an amended location notice on this claim pursuant to requirements of the recently passed Senate Bill 1357 pertaining to mineral claims located on Federal oil and gas leases. This amended location certificate was filed August 19, 1953, in Book 11, page 11 of the records of the County Recorder, Grand County, Utah, at Moab, Utah.

Diamond drill holes 630 through 639 were drilled behind ore outcrops uncovered by rim stripping on the Salt Wash rims on the Grandee No. 1 and No. 2 and Uranite No. 2 claims (Fig. 2). No ore was encountered in any of these holes, but shipments have been made from the surface outcrops. The numbers of these holes have been added to the map. Verbal approval of the DMMA representatives was given for this work.

The results of the diamond drilling under the subject contract have been favorable in the area of the Carvusite workings. The operators estimate that a sufficient tonnage of ore has been discovered by the contract drilling to allow mining at an increased rate for 2 to 3 years. A recommendation for a certification of discovery will be made on the property.

In view of the factual data and the positive accomplishments of the drilling under the contract for the reporting period, it is recommended that:

1. Exhibit "A" of the contract be changed by amendment to permit drilling on any area within the boundaries of the claims listed in Article 2 of the contract, the holes to be placed on sites suggested or recommended to the operators by the Geological Survey project geologist in the area.

2. The Bonanza No. 6 claim be included in the list of claims in Article 2 of the contract to allow drilling on this claim as suggested by the Geological Survey and outlined on the map accompanying their memorandum mentioned in an earlier paragraph.

3. An amendment be written to allow the transfer of drilling footage remaining under the contract from areas north of the Carvusite workings to an area south and east of the workings to sites outlined in the Geological Survey's memorandum.

4. The recommended amendment bear an effective date prior to the date of receipt.
5. Subject to the writing of the amendments recommended in the paragraphs above, the operators be paid under the terms of the contract for all the footage drilled during the reporting period and shown on the MF-104 forms, certified drill logs, and supporting documents for the reporting period March 26 to April 30, 1953. Reimbursement is recommended in the amount of $14,375.00, which is 90 percent of $15,972.84, the total expenditure under the contract for the reporting period.

[Signature]

E. K. Thurber, Jr.

Ends.
Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2446, Idm-E445, Boomerang Mining Company, Corvusite Mine, Grand County, Utah. (Recommendation that original footage be granted)

Enclosed are 4 copies of a memorandum report by R. P. Fischer of the U. S. Geological Survey covering the above docket.

It has been recommended that the operator's requested change in exploration plans be approved, and the contract amended according to the plan outlined in the attached report.

Enclosures (4)
Memorandum

To: A. H. Koschmann and W. H. King
Field Team, Region IV

From: R. P. Fischer
Colorado Plateau District

Subject: DMEA Docket 2446, Idm-E445, Boomerang Mining Company,
Corvusite Mine, Grand County, Utah. (Recommendation
that original footage be granted)

The Boomerang Mining Company, DMEA Docket No. 2446, Idm-E445
(Uranium), has been granted a loan to conduct surface diamond drilling
and rim stripping in the vicinity of the Corvusite mine. The application
proposed to explore for a southeastward extension of the Corvusite
deposit and to explore two areas to the north and northeast of the
Corvusite mine (referred to as the North Rim and North Draw areas)
for new uranium deposits.

Diamond drilling under the contract began March 26, 1953,
and was recessed April 28, 1953. During this period, 39 holes totaling
4,788.0 feet were completed, 30 of which were drilled in the area around
the Corvusite mine workings. The 9 remaining holes were drilled in the
North Rim area after the rim stripping in that area was completed.
No drilling was done in the North Draw area.

The exploratory drilling described above resulted in the
discovery of an extension of the Corvusite deposit to the east of the
workings and the discovery of two small outcrops of mineralized material
in the North Rim area. The holes drilled in the North Rim area to test
for extensions of these two small deposits found no mineralized material.

With 2,652.0 feet of the proposed drilling unfinished, the
drilling was recessed April 28, 1953, because the drilling in the North
Rim area discovered no new deposits. Drilling in the North Draw area
under the DMEA contract was deferred until the U. S. Geological Survey
drilling nearby (on behalf of AEC) was completed.

Based on the appraisal of the USGS drilling to the east and
north of the Corvusite mine, it appears that the ground in the vicinity
of the North Draw area is not favorable, and hence it would be desirable
to move the DMEA drilling proposed for this area. The only area where
further drilling appears justified is to the southeast of the Corvusite
mine. The previous drilling done under the DMEA contract in this area,
as well as the USGS drilling in this ground, partially outlined an area
favorable for the occurrence of ore bodies. The operator has recently
requested that the balance of the proposed drilling be used for addi-
tional exploration in this area.
By letter dated July 9, 1953, the Boomerang Mining Company requested permission to use some of the remaining footage on the Bonanza No. 6 claim, and this appears desirable (see fig. 1). The title to this claim, however, has been clouded by conflict with an oil and gas lease. Although the company has applied to AEC for a validating oil and gas lease, AEC has not approved this lease, pending the outcome of legislative action to resolve such conflicts. As this act has recently been passed by Congress and signed by the President, title to this claim can be cleared by procedure specified in the act.

The act requires the claim locator to amend his location, posting amended notices in the field and filing an amended location in the county records. The claim becomes invalid if not amended within 120 days after the President signed the act.

The operator has been informed of this procedure, and we will assume that the Executive Officer of Region IV will determine what proof of amendment is required by DMEA and so notify the company.

It is understood that the operator has already resumed exploratory drilling.

RECOMMENDATIONS

It is recommended that the operator's requested change in exploration plans be approved, and the contract amended according to the plan outlined below contingent upon resolution of the problem of claim title mentioned above. The operator's requested change in exploration plans is approved, and the contract amended according to the plan outlined below contingent upon resolution of the problem of claim title mentioned above.

One diamond-drill hole is proposed (fig. 1) to test the eastward extension of the Corvusite deposit. This hole will probably be about 200 feet deep. Eight other holes, spaced about 200 feet apart and averaging about 165 feet deep, are proposed to explore for ore in the area south and southeast of the mine workings (fig. 1). The footage required for these holes will leave approximately 812 feet (enough for five holes) to complete the contract. If one or more of the eight holes should cut material thought to be mineralized (any sample at least 0.1 foot thick and which contains at least 0.02 percent U₃O₈ or 0.20 percent V₂O₅ can be classed as "mineralized material"). The remaining footage should be used in holes drilled as offsets at 50-foot intervals. Sites for these holes, of course, can not be determined in advance but can be selected by the Boomerang Mining Company. If none of the eight holes cut mineralized material, the remaining footage should be used in holes spaced at 200-foot intervals to continue testing the favorable ground in the general area of the eight exploratory holes shown on figure 1. The Geological Survey field representative will gladly assist the operator in selecting these drill-hole sites.

If some of the proposed drilling cannot be done on the Bonanza No. 6 claim, because of the clouded title (see below), the drilling proposed for the Bonanza No. 6 claim probably can be done effectively on the Bonanza No. 2 claim; holes A-1, A-2, A-3, and A-4 (see fig. 1) can be drilled in place of the four holes spotted on the Bonanza No. 6 claim.

cc: S. R. Wilson, G. J. file, Reading file, Koschmann and King (3)
AMENDMENT OF CONTRACT: No. 1dm-E445

Contract Docket No. DMEA 2446, dated November 4, 1952, between
the United States of America and Boomerang Mining Company, a partnership
consisting of Harold C. Anderson, Frank E. Woodard, and Charles V.
Woodard, is hereby amended as follows, effective July 10, 1953:

Referring to Amendment No. 2, dated July 6, 1953,
which authorized a recess of operations, further
referring to said Amendment No. 2, second para-
graph, change the date "July 10, 1953" to read
"September 15, 1953."

This amendment shall not be construed to increase the
estimated total cost of the project, the amount of the Government's
contribution, or any item of allowable cost which is expressly design-
nated "allowable maximum."

Dated: OCT 6 1953

BOOMERANG MINING COMPANY

By Harold C. Anderson, Partner

By Frank E. Woodard, Partner

By Charles V. Woodard, Partner

UNITED STATES OF AMERICA

By W. H. King

Executive Officer, DMEA

Field Team, Region IV
REUPTT SEPTEMBER 16, 1953, BOOMERANG MINING COMPANY, CONTRACT IDM-E445,
APPROVE EXTENSION OF RECESS PERIOD FROM JULY 10, 1953, TO SEPTEMBER 15, 1953,
WITHOUT GOVERNMENT OBLIGATION FOR ANY CAUSE INCURRED BY OPERATOR DURING
PERIOD. IN AMENDMENT ALSO PROVIDE CONTRACT COMPLETION DATE.

F E JOHNSON, ACTING ADMINISTRATOR
United States Department of Interior  
Defense Minerals Exploration Administration  
Mr. W. E. King, Executive Officer  
224 New Customhouse  
Denver 2, Colorado

RE: Docket BMHA-2446
Contract Idm-E-445

July 9, 1953

Dear Sir:

We would like to make application for an amendment to the above reference BMHA Contract and amendments as follows:

1. To extend the recess period from July 10, 1953 to September 15, 1953.

2. The total amount of drilling footage allowed by BMHA Contract Idm-E-445 amounts to 7440 feet of which 4388 feet has been drilled. We would like to spend the remaining footage of 2552 feet in drilling the Bonanza No. 2 and Bonanza No. 6 claims which is Area 1 on U.S.B.M. Map 1900-185-C.

3. To include Bonanza No. 6 claim into said contract.
   Bonanza No. 6 located May 28, 1949
   Recorded Book 9J, Page 254, Grand County, Utah.

The reason for requesting an extension of time is due to the fact that it is impossible to get a drilling contractor, and they tell us that they should be able to do the remaining drilling within the next two months.

It appears that the ore channel which we intend to drill is extending onto Bonanza No. 6 thus the reason for including that claim.

Yours very truly,

BOOMERANG MINING COMPANY

(signed) Charles V. Woodard, Partner
(signed) Frank E. Woodard
(signed) Harold C. Anderson
AMENDMENT OF CONTRACT: No. Idm-E445

Contract Docket No. DMEA-2446, dated November 4, 1952, between the United States of America and Boomerang Mining Company, a partnership, is hereby amended as follows, effective April 30, 1953:

Referring to "Article 3. Exploration Project" of Exploration Project Contract Form MF-200(A), delete "nine (9) months" and in lieu thereof insert "thirteen (13) months".

Referring to Contract Idm-E445 and operations thereunder, execution of this document constitutes authorization to recess work operations under the terms of the contract for the period beginning April 30, 1953 and ending on or before July 10, 1953, contingent on the conditions as follows:

1. The operator hereby releases and agrees to save harmless the Government from all claims and demands arising out of conditions or circumstances which may develop at the site of the exploration project during the period operations are recessed.

2. The operator further agrees to protect the Government's interest in the work performed to date to the best interests of the parties concerned without cost to the DMEA project.

3. Reimbursement to the operator for the amount of the Government's participation in the costs of work performed during the month of April 1953 will be deferred pending receipt of Form MF-104 Operator's Monthly Report and Voucher for the first period of work after normal operations have been resumed.

4. The operator shall advise the Government in writing of the date operations are or will be resumed.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated July 6, 1953

BOOMERANG MINING COMPANY

By Harold C. Anderson, Partner

By Frank E. Woodard, Partner

By Charles V. Woodard, Partner

UNITED STATES OF AMERICA

By W.H. King, Executive Officer,
DMEA Field Team, Region IV
UNITED STATES
DEPARTMENT OF THE INTERIOR

AGENCY DDEA, Wash.

TELETYPE

Originator:
Ext.: Room:

Appro.: 6/12/53 4:20 PM
Date: Time:
No.: To: W H King

Subject: REGENT BOOKERANG MINING COMPANY DOCKET DDEA 2446 CONTRACT IDN 2445

APPROVE THE WEEKS EXCESS WITHOUT GOVERNMENT OBLIGATION FOR ANY CAUSES
INCURRED BY OPERATOR DURING PERIOD. IN AMENDMENT ALSO PROVIDE CONTRACT
COMPLETION DATE.

C. G. Mitterdorf

Authorized:

Sign original message and transmit to Room ___________ in duplicate.
Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-2446, Contract 104-E445, Boomerang Mining Co., Grand County, Utah

Enclosed are six copies of a letter received from the subject company which includes a request to recess the contract work pending results of drilling by the Geological Survey in adjacent areas. An amendment may also be desired to transfer diamond drilling footage from any of the three present areas to the most favorable area as indicated by the Survey drilling.

A memorandum concerning the amendment requests was prepared by H. K. Thurber, and is attached. Plan maps illustrating the property and present status of exploration are included. Recommendation is made that amendments be granted as set forth in Thurber's memorandum.

[Signature]
Stephen R. Wilson

Enclosures 3
S. R. Wilson                                      May 26, 1953

H. K. Thurber, Jr.

DMEA-2446, Contract Idm-2445, Boomerang Mining Co., Grand County, Utah. Request for amendment.

Attached are the original and 5 copies of the letter of transmittal accompanying MF-104 forms submitted by the subject operator, in which he requests a recess in the DMEA contract work pending results of Geological Survey drilling on nearby areas. Also attached are maps, Figs. 1 and 2, showing work accomplished to date on Projects I and III.

The operator states in his letter the amount of footage drilled on each of the project areas; 2632 feet remain to be drilled on all projects. The narrative report included with the MF-104 forms and the DMEA representative's conversation with the operator indicate that he wishes to transfer the footage remaining to areas found to be favorable by Geological Survey reconnaissance drilling.

In view of the results of drilling on Projects I and III, it is recommended that an amendment to the subject contract be prepared to allow:

(1) The recess of drilling under the DMEA contract for 6 weeks, starting May 30, 1953, with provision for resumption of drilling before the end of the 6 weeks, if indicated by results of Geological Survey drilling, and

(2) The transfer of the footage remaining under the DMEA contract to areas within the claims originally under the contract, irrespective of project areas, upon which the Geological Survey reconnaissance drilling shows mineralization or favorable lithology. The holes drilled from the remaining footage should be located by the DMEA representative from the Geological Survey.

The drilling under DMEA contract to date has been successful in discovering an extension of ore and mineralisation beyond the existing underground workings and in delimiting the apparent channel in the area. The recess in the work was suggested by the geologist in charge of the Geological Survey drilling project in the area and is logical from the viewpoint of the more efficient placing of the remaining footage.

H. K. Thurber, Jr.
May 9, 1953

Mr. E. R. Wilson
U. S. Bureau of Mines
1600 East First South Street
Salt Lake City, Utah.

Dear Sir:

Enclosed are: Operator's unit cost and progress report
Operator's monthly report and voucher
Operator's Narrative report with two sketch maps.

We have drilled 4103 feet on Project I, 685 feet on project III
and none on Project II, which leaves 1877 feet on Project I, 515 feet
on Project III and 1680 feet on Project II. The U. S. G. S. is now
converting our a drilling project in this area. The tentative plan is
to drill widely spaced holes to the east and north of our mine workings.

We would like to recon this U.S.G.S. drilling until the U. S. G. S.
drilling is completed on our property. The footage left on our U.S.G.
Project then could be used in the area that is most favorable.

On the map for Project I we have proposed a few additional holes
in the ore channel. If the North Drew area (Project II) is unfavorable
for mineralization perhaps some of that footage could be transferred to
Project I. We will advise you of further progress on the U. S. G. S.
drilling and additional drilling we have proposed.

We have only a rough Brunton and tape survey on the holes that have
been drilled. As soon as possible we will make a transit survey and get the
exact location and elevation of the collars of the holes.

The cores have been split, sampled and are now being assayed, as
soon as we have the survey and the results of the assays we will send
them to you with the complete logs of the holes.

Yours truly,

BOOMERANG MINING COMPANY

/\Charles V. Woodward
Charles V. Woodward, Partner
AMENDMENT OF CONTRACT: No. Idm-E445

Contract Docket No. DMEA 2446, dated November 4, 1952, between the United States of America and Boomerang Mining Company, a partnership, is hereby amended as follows effective as of the date of said contract:

Referring to "Article 3. Exploration Project" of Exploration Project Contract Form MF-200(A), delete "sixty (60)" and in lieu thereof substitute "one hundred and sixty (160)."

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum."

Dated Feb. 6, 1953

BOOMERANG MINING COMPANY

By, [Signature]
Harold C. Anderson, Partner

By, [Signature]
Frank E. Woodard, Partner

By, [Signature]
Charles V. Woodard, Partner

UNITED STATES OF AMERICA

By, [Signature]
Executive Officer, DMEA
December 23, 1952

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: D.M.A.-2466, Contract Item-3445, Boomerang Mining Co., Grand County, Utah

Enclosed are six copies of a letter received from the subject company requesting an amendment to postpone start of operations under the contract to March 1953. It is recommended that an amendment be granted to permit the contractor until March 15, 1953 to begin operations.

[Signature]
Stephen R. Wilson

Encls.
Mr. S. R. Wilson  
U. S. Bureau of Mines  
1600 East First South Street  
Salt Lake City 1, Utah  

Re: DMEA 2446

Dear Mr. Wilson:

We had hoped to get our project going this fall and perhaps drill a few holes before the weather got really bad; unfortunately, clearing the title due to Oil and Gas leases delayed the completion of the written contract with the government.

As we do not have the equipment necessary to clear roads and drill sites during the severe winter months we think the project would be inefficient if we were to proceed at this time.

In the best interests of the Government and the Boomerang Mining Company we are requesting a recess of the contract DMEA Docket 2446 until March 1, or March 15, 1953. This will still give us sufficient time to complete the contract by the original completion date of August 4, 1953.

Sincerely yours,

Boomerang Mining Company

/S/ Charles V. Woodard  Partner
TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E

Date of Contract or Amendment: Nov. 4, 1952

Name and Address of Operator:
Lecoercing Mining Co.
P. O. Box 112
Layton, Colorado

Amount of Government participation $22,705.00

Percent of Government participation 20%

Region: IV State: Utah

Notes: Please release 5267.77; Advice Contract Administration and Audit Division

Date Delivered to Bureau of Mines, Washington.

3/22/54

(Name)

J. A. Cashford
Chief, Contract Administration and Audit Div.

(Title)
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract or amendment to contract:

Contract No.: Idrm-E-145

Date of Contract or Amendment: December 4, 1952

Name and Address of Operator:

Cooperong Mining Co.

301 South Orange Avenue

Urbana, Illinois

Amount of Government participation: $25,705.84

Percent of Government participation: 50%

Region: IV

State: Utah

(Name)

D. O. Holbert

Acting Chief, Contract Administration and Audit Division

(Date Delivered to Bureau of Mines, Washington, D.C.)

Mar. 29, 1952
UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT
(Short Form)

ARTICLE 1. Authority for contract.—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled “Government Aid in Defense Exploration Projects.”

ARTICLE 2. Operator’s property rights.—With respect to that certain land situated in the State of __________

County of __________

See Annex No. 1

the Operator represents and undertakes:

(a) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following conveyances, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:

Owner of one-half interest and lessee of one-half interest in all claims

(b) That the Operator is a lessee, in possession and entitled to possession, and the Owner’s Consent to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. Exploration project.—The Operator, within sixty (60) days from the date of this contract shall commence work on a project of exploration for_____________

in or upon the described land; and shall bring the project to completion within a period of nine (9) months from the date of this contract. The work to be performed is more fully described in Exhibit “A” attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided.

The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen’s compensation and employers’ liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. Costs of the project.—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit “A,” attached hereto. The Government will pay ninety (90) percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $21,795.84, which is ninety (90) percent of $24,177.60

The agreed, estimated total cost of the project in which the Government will participate: Provided, That until the Operator’s final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator’s independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. Reports, accounts, audits.—(a) Progress reports. The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator’s invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

1 If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
2 State name, address, and nature of organization if any.
3 Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government’s lien is not to attach or the production from which is not to be subject to the Government’s percentage royalty.
4 Strike out the provision not applicable.

Name of mineral or minerals.
(b) Final report.—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(Compliance with requirements.—If, in the opinion of the Government, any of the Operator’s reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(d) Accounts and audits.—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator’s records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or the termination of this contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. Repayment by Operator.—(a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification in such writing may be based on any exploration data or on any other exploration work done in the area or any other disposition of such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1 1/2) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1 1/2) percent of any such net amounts, plus one-half (1/2) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

(For instance: The percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1 1/2) percent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3 1/2) percent.)

(b) As here used, “net smelter returns,” “net concentrator returns,” and “other net amounts realized from the sale or other disposition,” mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and at the place where it is held. In the case of integrated operations in which the material is not disposed of separately, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(e) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator’s successor in interest to engage in any mining or production operations.

ARTICLE 7. Assignment, transfer, or loss of Operator’s interest.—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator’s rights in the land described in Article 2, without making suitable provision for the preservation of the Government’s right to a percentage royalty on production and lien for the payment thereof; Provided, that mere failure by the Operator to maintain theOperator’s rights in the land, without any surrender of such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator’s liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. Termination and completion.—The Government may, at any time, by written notice to the Operator, terminate this contract:

(a) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (b) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (c) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. Changes and added provisions. A certified drill log must accompany each Monthly Progress Report. Reimbursement will be made only for diamond drill holes completed to the satisfaction of the DMEA representative. Drill cores must be properly stored in acceptable core boxes. Cores must be split and one-half retained for the use of the DMEA. All cores are to be AX or EX size.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

[Signature]

Executive Officer, DMEA
Field Team, Region XV

[Corporate Seal]
WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Utah, County of Grand, described as follows:

The following unpatented mining claims:
- Bonanza No. 1, No. 2, recorded in Book 9-J, page 31
- Grandco No. 1, No. 2, No. 3, recorded in Book 9-J, page 34
- Uranth No. 1, No. 2, recorded in Book 9-J, page 35

all recorded in the Grand County recorder's office, Moab, Utah.

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Boomerang Mining Company, a partnership consisting of Harold G. Anderson,

Frank E. Woodard and Charles V. Woodard,

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefore, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of $21,705.84, or ten years have elapsed from the date of the contract.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

Dated this 3rd day of November, 1952.

[Seal]

[Seal]

[Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated and recorded in book _________ page ________ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

*Insert the maximum amount of the Government's contribution.*
RELEVANT CONTRACT PROVISIONS

Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

1. One and one-half (1½) per cent of any such net amounts not in excess of eight dollars ($8.00) per ton.

2. One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half (1½) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(b) As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the materials are disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

(c) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.
ANNEX NO. 1

Form MF-200(A)

Article 2. Operator's property rights.- With respect to that certain land situated in the State of Utah, County of Grand, described as follows: The following unpatented mining claims recorded in the Grand County recorder's office, Moab, Utah

<table>
<thead>
<tr>
<th>Claim</th>
<th>Recording Date</th>
<th>Page</th>
<th>Book</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonanza No. 1</td>
<td>January 12, 1945</td>
<td>31</td>
<td>9-J</td>
</tr>
<tr>
<td>Bonanza No. 2</td>
<td>January 12, 1945</td>
<td>31</td>
<td>9-J</td>
</tr>
<tr>
<td>Urantah No. 1</td>
<td>February 5, 1945</td>
<td>35</td>
<td>9-J</td>
</tr>
<tr>
<td>Urantah No. 2</td>
<td>February 5, 1945</td>
<td>35</td>
<td>9-J</td>
</tr>
<tr>
<td>Grandco No. 1</td>
<td>February 5, 1945</td>
<td>34</td>
<td>9-J</td>
</tr>
<tr>
<td>Grandco No. 2</td>
<td>February 5, 1945</td>
<td>34</td>
<td>9-J</td>
</tr>
<tr>
<td>Grandco No. 3</td>
<td>February 5, 1945</td>
<td>34</td>
<td>9-J</td>
</tr>
</tbody>
</table>
DESCRIPTION OF THE WORK

The work consists of three projects. Project I in Area I on Figure 3 attached consists of bulldozing access roads, leveling drilling sites, drilling 23 core drill holes to an average depth of approximately 120 feet. The drill holes are to be spaced on approximately 100-foot centers. The location of these holes is shown on Figure 3. If in the opinion of the DNEA representative the results of this drilling indicate that additional drill holes are warranted, 15 additional drill holes may be drilled at locations acceptable to the DNEA representative. Prior written approval of the DNEA representative is required before any additional drilling is authorized.

Project II is in that part of Area II on the Urantah No. 2 claim shown on Figure 3 attached, and consists of diamond drilling 12 core drill holes to an average depth of approximately 140 feet. The drill holes are to be spaced on approximately 100-foot centers. The approximate locations of the drill holes is shown on Figure 3.

Project III consists of stripping with a bulldozer approximately 1800 feet of the rim along the sandstone outcrop of the Salt Wash Member of the Morrison formation. It is estimated that this work can be completed in 150 hours with a D-8 Caterpillar or equivalent. If in the opinion of the DMEA representative the results of the stripping warrant diamond drilling, 8 diamond core drill holes may be drilled to an average depth of approximately 150 feet at locations acceptable to the DMEA representative. Prior written approval of the DMEA representative is required before any drilling is authorized in this area.

If deemed advisable by the DMEA representative, work on all three projects may be carried on concurrently.

COSTS OF THE PROJECT

Project I

23 core drill holes, average depth of 120 feet, including all costs of bulldozing drill sites, assaying, sampling, engineering, and core box preparation

2760 feet of hole at $3.08 per foot

$8,500.80

15 additional core drill holes, average depth of 120 feet, if authorized, including the same costs as above

1800 feet of hole at $3.08 per foot

$5,544.00

Total cost of Project I

$14,044.80

Government's participation at 90%

$12,640.32
Project II

12 core drill holes, average depth approximately 140 feet, including all costs of assaying, sampling, engineering and core box preparation

1680 feet of hole at $2.96 per foot $4,972.80

Total cost of Project II $4,972.80

Government's participation at 90% $4,475.52

Project III

D-8 or equivalent bulldozer complete with operator, fuel and maintenance

150 hours at $10.00 per hour $1,500.00

8 core drill holes, average depth approximately 150 feet, including all costs of assaying, sampling, engineering and core box preparation

1200 feet of hole at $3.00 per foot $3,600.00

Total cost of Project III $5,100.00

Government's participation at 90% $4,590.00

Total cost of Projects I, II and III $24,117.60

Government's participation at 90% $21,705.84
LEGEND
AREA OF EXPLORATION

NOTE
ADAPTED FROM C. V. WOODARD.

SCALE OF FEET
0 500 1000 1500
Memorandum

To: W. H. King and A. H. Koenham
  Field Team, Region IV

From: R. P. Fischer
  Colorado Plateau District

Subject: Additional to DEEIA Docket 2366, Idaho Mining Company, Carversite Mine, Grand County, Utah

Problems relating to the payment of work performed under DEEIA Docket 2366, Contract 81425, Carversite Mining Company, Carversite Mine, Grand County, Utah, were discussed with Mr. H. K. Thorber, Engineer, U. S. Bureau of Mines, August 18, 1953, in Grand Junction, Colorado.

The diamond-drill holes, drilled under the DEEIA contract, have proven generally favorable, so far as exploring for and delimiting ore bodies near the Carversite Mine are concerned. The DEEIA diamond-drill holes cut material thought to be of possible ore grade and thickness immediately southeast of the Carversite Mine workings. Four other holes southeast of the Carversite Mine workings cut mineralized material although this material might be too low in grade or too thin to be mined profitably.

The operator has planned each drill site to the best of his ability and has consulted frequently with DEEIA representatives (Geological Survey geologists and Bureau of Mines engineers) while planning the majority of drill sites. The operator has cooperated in every way with DEEIA representatives concerning the various requests and advice made by them throughout the course of the contract.

The geological report by D. D. Laub and A. O. Taylor on DEEIA Docket 2366, transmitted September 9, 1952, outlined an exploratory program in each of three general areas, namely, the North Rose area, the North Hill area, and the area around the periphery of the Carversite Mine (DEEIA geologic report, fig. 3). It did not restrict the exploratory work to definite, blocked-out areas as shown in the DEEIA engineering report (fig. 3) which was outlined in the DEEIA Contract 81425. The exploratory geologists thought it advisable to allow the applicant reasonable flexibility in planning his diamond drilling so that he could obtain the best possible results.

L. J. Kicher and J. W. Haeber, USGS geologists, recommend that the contract be amended to include the areas for exploration as outlined by the examining geologists (DEEIA geologic report, fig. 3) and not restricting payment to work done only in the blocked-out areas 1, 11, and 11 (DEEIA engineering report, fig. 3; and Contract 81425), and that payment of DEEIA work done on the claims listed in article 2 of the contract be approved.

R. P. Fischer
Acting District Supervisor

LSi175r/79

cc: King and Koenham (2)
   J. H. Wilson

August 26, 1953
LEGEND

AREA "A" AND "B" AT SAME ELEV. ON LOWER RIM. HOLES APPROXIMATELY 100' DEEP.
AREA "C" ON UPPER RIM. HOLES APPROXIMATELY 35' - 45' DEEP.

H HOLE DRILLED. (ALL BLANK)

NOTE

DATA TRACED FROM COMPANY MAP.