MF-200 (A)
(February 1952)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
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DOCKET NO. DMEA 2561

COMMODITY Uranium

Idm-E487

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 12th day of February, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] W. L. Weaver
Box 114
Silt, Colorado

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 Colorado County of Garfield, described as follows:[3] Owner of End of Trail Number 2 unpatented lode mining claim recorded in Book L. R. 2A., Page 210 in the Clerk and Recorder's Office of Garfield County. Leases of End of Trail Number 1, recorded in Book L. R. 2 A, Page 209

the Operator represents and undertakes:[4]

(*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 End of Trail Number 2
Leases of North, 100 feet by 600 feet, end of End of Trail Number 1.

(*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 60 days from the date of this contract shall commence work on a project of exploration for[5] Uranium

in or upon the described land; and shall bring the project to completion within a period of six 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 $1,800, which is 90 percent of $2,000, 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.
[5] 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.

(*c*) *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 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 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) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) 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.)

(*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 disposed of as such, 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 consideration running to the Operator other than relief from 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* _____

Executed in sextuplicate the day and year first above written.

W. L. Weaver
(Operator)

By _____

THE UNITED STATES OF AMERICA

By W. H. King
W. H. King, Executive Officer
DMEA Field Team, Region IV

I, _____, certify that I am the _____ secretary of the corporation named as Operator herein; that _____, who signed this contract on behalf of the Operator, was then _____ of said corporation; 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.

_____ [CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

EXHIBIT A

Description of the Work

The work consists of driving a prospect drift 100 feet to explore the mineralization now showing in the face of the tunnel. This drifting may include branching headings when prior approval is given by the DMEA representative. The tentative location of the proposed drift is shown on the attached map, Figure 1, which is made a part of Exhibit A.

Estimated Costs of the Work

Drifting 100 feet at $20.00 per foot, to include any and all costs of completing the work - Total -	$2,000.00
Government participation @ 90% -	$1,800.00

MF-203

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Colorado, County of Garfield, described as follows:1/

North 100 feet by 600 feet East and West on the north end of End of Trail No. 1., Sec. 10 T 5S, R 91 W Recorded in Book #LR2A, Page #209, Clerk & Recorder's Office, Garfield County, Colorado

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/ W. L. Weaver

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 claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ 1,800.00, 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 29 day of January, 195 3.

Roy E. Parker [Seal]

Chester E. Wittwer [Seal]

W. L. Weaver [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.

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 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.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

DATE: January 13, 1953

Defense Minerals Administration
RECEIVED
JAN 19 1954

FROM : Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

SUBJECT: Final Field Team Report on exploration under DMEA Docket 2661 (Uranium), Contract Idm-E487, W. L. Weaver, contractor, Silt, Colorado; End of the Trail No. 2 claim, Sec. 10, T. 5 S., R. 19 W., Garfield County, Colorado

Summary and Comment

The contractor drove 87 feet of an adit drift and 13 feet of cross cut to explore for uranium in a small showing of mineralized rock in the Morrision formation. The total cost was $2,000, and Government participation was $1,800.

A small "roll" of ore trending southeast was found at about 50 feet from the portal and small pods of ore-grade material were found between 88 and 96 feet from the portal. The Field Team estimates that the work resulted in discovery of 15 to 20 tons of ore containing about 0.15 percent U_3O_8 and 2.0 percent V_2O_5. About 15 tons were mined in the course of exploration, and 7.25 tons of ore containing 0.27 percent of U_3O_8 and 3.14 percent V_2O_5 were shipped.

The engineer member of the team suggests that the operator explore in a small way the roll trend and thicker portions of lenses to make sure that the thickest portions of the deposits have not been missed. Both members agree that the chances of making a further significant discovery are too small to warrant additional DMEA assistance, and that the suggested work would be development or mining rather than exploration.

The Field Team recommends certification of a discovery.

Conclusion

Although the amount of ore discovered was small, I concur with the Field Team that a valid discovery was made and should be certified to protect the Government's interest in ore mined and shipped.

Arthur P. Butler Jr

Copies to: E. Wm. Ellis (2)

Defense Minerals Administration
RECEIVED

E. Wm. Ellis, DMEA Member, Uranium Commodity Committee

January 13, 1953

Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

Final Field Team Report on exploration under DMEA Docket 2661 (Uranium), Contract Idm-E487, W. L. Weaver, contractor, Silt, Colorado; End of the Trail No. 2 claim, Sec. 10, T. 5 S., R. 19 W., Garfield County, Colorado

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Copies to: E. Wm. Ellis (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

JAN - 7 1954

Mr. [illegible] King
Executive Officer
DMEA Field Team, Region IV
221 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-2661 (Uranium)
Contract No. Idm-[illegible]
End of Trail Claims
Garfield County, Colorado

Dear Mr. King:

We have decided not to issue a certificate of discovery or development on this project as recommended by the Field Team, as we do not believe the quantity of ore discovered justifies the issuance of such a certificate.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Concur:

J. H. Hedges
Member, Bureau of Mines

D. M. Larrabee
Member, Geological Survey

FLKnouse/gla/db
12-29-53
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. H.D.Keiser, Rm. 3641
A.P.Butler, Jr., Rm. 3212, GSA
Ellis
Knouse

R. C. G. 1-7-54

700

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Surname
DOCKET COPY

Ching
Keiser
Brown
Knouse
Ellis
Brechbuhler
Hedges
Fagabre
Selfridge

JAN - 7 1954

Mr. W. L. Weaver
Box 114
Silt, Colorado

Re: Docket No. DMEA-2661 (Uranium)
Contract No. Idm-E487
End of Trail Claims
Garfield County, Colorado

Dear Mr. Weaver:

This is with reference to the subject Exploration Project Contract between you and the Government.

The final report of review of the contract expenditures and the final report of the Field Team have been received and accepted by this Administration. The Operator's monthly report for July, 1953, is hereby accepted in lieu of a final report. The total amount of $2,000.00 approved under the contract was expended, 90 percent of which, or $1,800.00, represented the Government's share. There were no unused materials, supplies or equipment to be disposed of for the joint account of the Operator and the Government. The exploration work was completed in a satisfactory manner.

Because the results of the exploration were unfavorable, it is not our intention to make a certification of discovery or development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to Article 5 (d) of the Contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract."

Your interest in the Exploration Program of the Defense Minerals Exploration Administration and your willingness to participate therein are appreciated.

Sincerely yours,

O. O. Mittendorf (for)

Administrator

MChing/gla 12-23-53
cc to: Adm. Reading File
Operating Committee
Docket
cc to: H.D.Keiser, Rm. 3641
A.P.Butler, Jr., Rm. 3212
Ellis Ching
DMEA Field Team, Region IV (2)

R.C.G. 1-7-54

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

January 4, 1954

Memorandum

To: Chairman of the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 2661 (Uranium), Contract Idm-E487, W. L. Weaver, Garfield County, Colorado

Reference is made to your letter dated November 2, 1953, regarding shipments of ore made by W. L. Weaver.

According to the operator two shipments have been made to date. The amount of U_3O_8, V_2O_5, and the cash value of the shipments are as follows:

Net Weight Pounds	Pounds V_2O_5	Pounds U_3O_8	Cash Value
16300	418.04	44.24	$316.31
14600	483.77	38.16	$307.26

We believe that the operator will make a few more small shipments of ore from time to time.

W. H. King
W. H. King

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

DOCKET COPY

Project Summary Report

By: Michael Ching December 22, 1953

1. Docket No. DMEA-2661 (Uranium)
Contract No. Idm-E487
Property: End of Trail Claims, Garfield County, Colorado
Operator: W. L. Weaver, Box 114, Silt, Colorado
Operator's Property Rights: Owner of End of Trail Number 2 unpatented lode mining claim. Lessee of area 100 feet by 600 feet on the north end of End of Trail No. 1 claim, covered by Owner's Consent to Lien dated 1-29-53.

2. Contract - dated February 12, 1953.

Work authorized -

100 feet drifting and crosscutting @ $20.00 per foot (includes all costs)	$2,000.00
Government participation @ 90%	$1,800.00

Amendments - None

Work completed -

100 feet drifting and crosscutting @ $20.00 per foot	$2,000.00
Government participation @ 90%	$1,800.00

Work completed July 31, 1953.

3. Audit -

Report of Review dated October 14, 1953 (No exceptions)

4. Certification of Discovery -

None issued.

5. Comments -

The work commenced on February 18, 1953, and was completed on July 31, 1953. It was done in an efficient and economical manner. Two small ore deposits were discovered from which about 15 tons of ore had been mined up to August 13, 1953, but because of the very small size, scattered occurrence, and general low grade of the ore zones a certifi-

cate of discovery was not justified. The chance of making a significant discovery through additional exploration work is poor. The only shipment made prior to completion of the exploration work amounted to 7.25 tons assaying 0.27% U_3O_8 and 3.14% V_2O_5. Total production from the two small deposits is not expected to exceed20 tons. There had been no previous production from this property, although Operator had followed a carnotite showing by crosscutting a distance of 45 feet prior to the start of the subject contract. An adjoining claim has produced 15 tons of ore averaging 0.13% U_3O_8.

Carnotite and radioactive carbonaceous material occur in the Morrison formation which outcrops on this property. The known ore horizon consists of a zone three to six feet thick in a medium to light gray lime sandstone in which occur thin irregular lenses containing mineralized material.

The exploration work, based on the foregoing geological criteria, proved the existence of shipping grade ore on this property, but the degree of success applicable to the project was limited by the small size, scattered occurrence, and low grade of the ore deposits.

Michael Ching

Michael Ching, Mining Engineer
Rare & Miscellaneous Metals Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

December 4, 1953

Memorandum

To: Secretary to Operating Committee, DMEA

From: DMEA Field Team, Region IV

Subject: Docket DMEA 2661 (Uranium), Contract Idm-E487, W.L. Weaver, End of Trail No. 2 Claim, Garfield County, Colorado

Enclosed are the following final reports relative to work performed under the subject contract.

1. Original and three copies of the final engineering report by the Bureau of Mines.

2. Original and three copies of the final geologic report by the Geological Survey.

The operator intended that the report attached to his MF-104 report for the month of July 1953 be considered as his final report. The report appears to be adequate under the circumstances and we recommend your acceptance of it as such. The operator's Form MF-104 for the month of July 1953 was processed for final payment in this office October 26, 1953, in conformance with the final report of review by the Contract Administration and Audit Division, dated October 14, 1953, which was released to this office October 23, 1953.

Work was completed as authorized in the contract, at a total expenditure of $2,000.00, in which the Government participated to the extent of 90% or $1,800.00.

The exploration work resulted in the discovery of a small amount of uranium ore and recommendations relative to the issuance of a certificate of discovery or development were forwarded to the Washington office by our memorandum of October 7, 1953.

Enclosures

W. H. King
W. H. King

for E. N. Koschmann
A. H. Koschmann

Reviewed by
DMEA OPERATING COMMITTEE
12-16-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
DEC 10 1953

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
September 30, 1953

Mining Division
Date Rec'd.
OCT 1 - 1953
BUREAU OF MINES
Denver Colorado

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2661, Contract Idm-E487, (Uranium), W. L. Weaver (End of Trail No. 2 claim), Garfield County, Colorado -- Final engineering project report

Transmitted herewith are the original and ten copies of Russell R. McLellan's final engineering project report on Contract Idm-E487.

McLellan concludes sufficient exploration by drifting has been completed to warrant recommendation of a discovery if, in the opinion of administrative officers, a possible ultimate production of 15 to 20 tons of fair-grade uranium ore satisfies the requirements. He recommends no further exploration with Government financial assistance, but suggests, and it is assumed the operator will continue, limited development along the trend of rolls exposed on present project work.

I approve the conclusions and recommendations adding that any production will be subject to usual DMEA royalties.

W. M. Traver

W. M. Traver

enclosures

WMT/kp

cc 10
E487
DMEA Chron

Reviewed by
DMEA OPERATING COMMITTEE
12-16-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

FINAL ENGINEERING REPORT

DMEA 2661, Exploration Project Contract Idm-E487

End of Trail No. 2 Claim

W. L. Weaver

Garfield County, Colorado

Uranium

Russell R. McLellan, Mining Engineer
Bureau of Mines

September 22, 1953

Reviewed by
DMEA OPERATING COMMITTEE
12-16-53
(date)

DMEA 2661, Contract Idm-E487

END OF TRAIL NO. 2 CLAIM
W. L. WEAVER
GARFIELD COUNTY, COLORADO

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ILLUSTRATIONS

Figure — Follows Page

1. Location map, End of Trail No. 2, W. L. Weaver, Garfield County, Colo..... 1
2. Plan map showing exploration completed, End of Trail No. 2 mine..... 3

DMEA 2661, Contract Idm-E487

END OF TRAIL NO. 2 CLAIM
W. L. WEAVER
GARFIELD COUNTY, COLORADO

FINAL ENGINEERING REPORT

By

Russell R. McLellan

SUMMARY AND INTRODUCTION

W. L. Weaver of Silt, Colo., received assistance from the Defense Minerals Exploration Administration to explore for uranium at the End of Trail No. 2 mine, Garfield County, Colo. Contract Idm-E487 authorized a total of 100 feet of drifting at a unit cost per foot of $20.00 or a total cost of $2,000.00, Government participation 90 percent or $1,800.00.

Work commenced on February 18, 1953, and was completed on July 31, 1953. Two small ore deposits were discovered from which about 15 tons of ore had been mined up to the date of the final inspection on August 13, 1953.

Certification of discovery is recommended.

LOCATION AND OWNERSHIP

The End of Trail No. 2 claim is on the east slope of Elk Creek valley, 6.2 miles by county road and State Highway 329 to U. S. Highway 24 at New Castle, Colo. It is in sec. 10, T. 5 S., R. 91 W., sixth principal meridian, Gold Stone Mining District, Garfield County, Colo. (fig. 1).

The claim originally was located in 1942 by C. J. Crawford and F. E. Long who sold it to C. E. Wittwer and W. L. Weaver on June 14, 1951. On September 28, 1951, Wittwer gave Weaver a quitclaim deed for his interest, and Weaver is now the sole owner.

HISTORY AND PRODUCTION

Until the present exploration program was accomplished, no production had come from the claim since its location in 1942. About 15 tons had been produced at the completion of the exploration program on July 31, 1953. One shipment was made of 7.25 tons which contained 0.27 percent U_3O_8 and 3.14 percent V_2O_5. The grade of the remaining tonnage probably will average slightly less than the first shipment.

DESCRIPTION OF DEPOSIT

Uranium and vanadium mineralization was first noted in an exposed sandstone of the Morrison formation about 300 feet above the valley floor. A short adit was driven along the mineralization for a distance of 45 feet at which point contract work commenced with Government assistance. Uranium and vanadium mineralization to the 45-foot mark was spotty, low-grade, and for the most part little more than stain in a zone ranging in thickness from several inches to about 3 feet at the portal.

Two small tabular deposits, discovered as a result of the exploratory drifting, indicate that there is little likelihood of encountering a large ore body in the area. All ore exposed thus far has been limited to the two small deposits or rolls and several

isolated logs. The rolls probably will contain less than 10 tons each and the logs appear to contain very little uranium and vanadium replacement. The thickness of mineable ore did not exceed 2.5 feet in either roll. The maximum thickness of ore showing in the drift walls at the close of the work was less than 1.0 foot.

WORK COMPLETED UNDER CONTRACT

A total of 100 feet of drifting was completed as authorized by the contract. The work was done in a satisfactory manner at the extremely reasonable cost of $20.00 per foot for a total expenditure of $2,000.00.

One main drift was extended from the original heading at 45 feet from the portal to the final heading at 132 feet from the portal, a distance of 87 feet. One spur drift was driven for a distance of 13 feet (fig. 2).

DESCRIPTION OF DISCOVERY

Shortly after contract work commenced, a small roll or tabular deposit of ore was encountered, the long axis of which was crossed approximately 50 feet from the portal (fig. 2). The trend of the roll was roughly N. 30° W. and the actual width did not exceed 10 feet. The maximum thickness was about 2.5 feet. Drifting progressed S. 30° E. for 10 feet at which point the roll pinched out. No attempt was made to determine the extent of the roll to the northwest. The first shipment of 7.25 tons was from this roll. The average grade was 0.27 percent U_3O_8 and 3.14 percent V_2O_5.

The main drift was extended S. 30° W. for a distance of 85 feet from the portal at which point a second roll was encountered which appeared to be trending more or less parallel to the first. No drifting was attempted in either direction along the roll. The following samples were cut at 4-foot intervals across the roll as shown on figure 2:

Sample No.	Distance from portal (feet)	Width (feet)	Percent U_3O_8	Percent V_2O_5
RRM-61	88	0.8	0.198	2.75
RRM-60	92	0.7	0.091	1.88
RRM-54	96	1.7	0.274	1.22
RRM-58	100	1.3	0.088	3.85
RRM-59	104	0.7	0.074	1.94
Weighted average		1.0	0.164	2.30

The main drift was extended about 28 feet beyond the second deposit without encountering mineralization.

It is apparent that the thickest portion of each roll was removed while drifting was in progress, leaving an average thickness of less than a foot of mineralized rock exposed in the walls in the vicinity of the rolls. At a cost of about $20.00 per foot of drifting, this rock does not contain sufficient uranium and vanadium to be classified as ore under the present prices. It is estimated that about 20 tons of rock remain in the vicinity of the rolls that will contain an average of 0.15 percent U_3O_8 and 2.0 percent V_2O_5. Development along these more favorable trends may disclose a temporary increase in the thickness or grade of the mineralized zone sufficient to make the rock commercially valuable.

EXPENDITURES

Contract Idm-E487 authorized a total expenditure of $2,000.00 with Government participation of 90 percent or $1,800.00. The full amount was used in driving 100 feet of drift at a cost of $20.00 per foot. Since the contract is on a short form, the Government has no equity in equipment or supplies.

Settlement sheets have not been received for ore shipments made to date; consequently, the total value of the shipments or of royalty due the Government is not known at this date.

CONCLUSIONS

It is concluded that the drifting sufficiently explored the mineralized area to discount the possibility of making any other significant discoveries. Additional development work in the more favorable area may result in the production of a few tons of ore, but in general, it is believed that the deposits will be too limited in area and thickness to pay for extensive development.

RECOMMENDATIONS

A limited amount of development or exploration should be done along the trend of the rolls to make certain that the thickest portions were encountered and not merely the thinning edges of the rolls. This work should be financed by the operator as the purpose of assistance by the Government is believed to have been adequately fulfilled.

Since a small discovery was made which will result in the production of 15 to 20 tons of fairly good ore, it is recommended that a discovery be certified in accordance with the administrative policy on other comparable projects.

As previously mentioned, it is doubtful that additional production at present will be economically feasible; however, with a little development work a few more tons of ore may be encountered.

Pending final auditor's Report of Review, it is recommended that the contract be closed.

/kp

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
Denver Federal Center
Denver 2, Colorado

November 27, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2661, Contract Idm-E437, End of the Trail Claim No. 2, Garfield County, Colorado

Enclosed are 8 copies of the final geologic report by D. R. MacLaren of the U. S. Geological Survey covering the above docket.

It is recommended that a certificate of discovery be issued.

A. H. Koschmann

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (8)

END OF THE TRAIL CLAIM NO. 2

GARFIELD COUNTY, COLO.

DMEA DOCKET 2661

Final Geologic Report

By D. R. MacLaren
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
12-16-53
(date)

END OF THE TRAIL CLAIM NO. 2
GARFIELD COUNTY, COLORADO

INTRODUCTION

Mr. W. L. Weaver of Silt, Colorado, has completed the program provided for in contract Idm-E487, and a final examination was made September 8, 1953. This report summarizes the extent of work performed and the results achieved under this contract. It is recommended that a certificate of discovery be issued.

The geologic setting of the area is outlined in a report submitted shortly after the property was first visited on October 8, 1952, and will not be repeated at this time.

EXPLORATION

At the time of the first examination, a showing of carnotite had been followed by a crosscut for 38 feet. This was advanced by the operator an additional 7 feet by the time the contract was signed. During the period of the contract, the crosscut was advanced 87 feet placing the breast a total of 132 feet from the portal (figure 2, Final Engineering Report). Two zones of radioactive mineralization were found, the first from 46 to 72 feet from the portal of the crosscut, the second from 88 to 104 feet from the portal. The deeper zone comprised a few small irregular pods of radioactive material. The Bureau of Mines examiner sampled five pods that assayed as follows:

Location Feet from portal	Width Feet	% U_3O_8	% V_2O_5
88	0.8	.198	2.75
92	0.7	.091	1.88
96	1.7	.274	1.22
100	1.3	.088	3.85
104	0.7	.077	1.94

The pod at 96 feet and possibly the one at 88 feet are the only ones of mineable grade, and they were so small that they did not extend across the full width of the crosscut. The chance that this series of pods forms an ore zone of any lateral extent is poor. The first zone encountered was about 6 feet wide along the southeast wall and about 2 feet wide along the northwest wall. It was followed by a drift to the southeast for 10 feet where it appeared to pinch out. There was a possibility that the drift had not followed the ore; however, a 3-foot crosscut driven to the southwest at the end of the drift proved the ore zone to be only a small lens. This crosscut completed the 100 feet of combined crosscutting and drifting allowed under the contract.

The operator requested additional funds to drift to the northwest on a small showing of carnotite, but because this drifting would in effect be a mining operation, and because of the very small size, scattered occurrence, and general low grade of the ore zones, it was recommended that the request be denied.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that 15 to 20 tons of ore assaying about .15% U_3O_8 and 2.0% V_2O_5 have been found, that the ore is in small lenses and pods, and that the chance of making a significant discovery of uranium ore is poor and does not warrant further DMEA participation. Only because 7.25 tons of ore have been shipped and another 8 to 10 tons is ready for shipment, is it recommended that a discovery be certified.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

DOCKET COPY

mc
Ellis

NOV 3 1953

Mr. [illegible]
[illegible]
[illegible], Colorado

Re: Docket No. [illegible] (Uranium)
Contract No. [illegible]
Land at South [illegible]
Garfield County, Colorado

Dear Mr. [illegible]:

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,

C. A. Mittendorf

Administrator

50811

[illegible]Ching/db
10-30-53
cc to: Docket File
Region IV (2)
Division Contract file

FILE COPY
SURNAME

Ching
Ellis
Selfridge
Fitzman
Hutchinson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

NOV 2 1953

Mr. [illegible] Fix
Executive Officer
Field Team, Region IV
221 New Customhouse Building
Denver 2, Colorado

Re: Docket No. [illegible]-2561 (Uranium)
Contract No. [illegible]
[illegible] Beaver
Garfield County, Colorado

Dear Mr. Fix:

Reference is made to your letter of October 7, 1953, enclosing copies of a memorandum recommending a certification of discovery under the subject project.

In view of the limited production reported to date it is deemed advisable to secure more information before making a final decision on certification. We are, therefore, holding certification in abeyance until the final reports of the Field Team and operator are received. It would be appreciated if the Field Team's report included the dollar value of all shipments from the property and an estimate of the potentialities of the property other than those exposed by the subject exploration work.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Concurred:

J. H. Hedges
Member, Bureau of Mines

T. P. Thayer
Member, Geological Survey

WChing/db
10-28-53
cc to: Adm. Reading File
Operating Committee
Docket
Messrs: H.D.Keiser, Rm. 3641
A.P.Butler, Jr., Rm. 3212, GSA
Ellis
Ching

R.C.S.
11-2-53

Reg. 4

FILE COPY
SURNAME:

Chamber

DMA-2661

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

OCT 21 1953

Mr. Thomas H. Breding
DMEA Auditor
224 New Customhouse Building
Denver 2, Colorado

Re: Contract Idm-1224, DMEA-1392X
Cecil R. Woodman
and
Contract Idm-1487, DMEA-2661
W. L. Beaver

Dear Mr. Breding:

Receipt is acknowledged of your Reports of Review covering the above-cited contracts.

The Reports have been accepted and may be distributed in the usual manner.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

LBorovies/wb
October 20, 1953

Copy to: Docket (2)
Admr. Reading File
Mr. Chambers

R.C.G.
10-21-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

October 7, 1953

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Certification of Discovery, DMEA Docket 2661, Contract Idm-E487 (Uranium), W. L. Weaver, Garfield County, Colorado.

Enclosed ae two copies of a memorandum recommending a Certification of Discovery, and two copies of Form B, "Certification by the United States of America of a Discovery or Development under an Exploration Project Contract."

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
October 5, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2661, Contract Idm-E487 (Uranium), W. L. Weaver (End of Trail No. 2 claim), Garfield County, Colorado -- Certification of Discovery

Transmitted herewith are the original and eight copies of a memorandum by W. L. Bare concerned with certification of discovery on contract Idm-E487.

From all I am able to learn, the ore production from this project will be smaller than from any we have been involved with so far, probably less than 40 tons. However, while I would not recommend certification, the usual data required for the Operating Committee's use in making a certification are furnished, including three copies of a suggested form "B".

W. M. Traver

W. M. Traver

enclosures

WMT/kp

cc - 8
E487
DMEA Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
October 1, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: W. L. Dare

Subject: DMEA 2661, Contract Idm-2487 (Uranium), W. L. Weaver (End of Trail No. 2 claim), Garfield County, Colorado -- Certification of Discovery

The exploration program as set forth in Contract Idm-2487 was initiated on February 18, 1953, and was completed on July 31, 1953. A total of 100 feet of exploration drift was driven in a sandstone of the Morrison formation on the End of Trail No. 2 claim.

W. L. Weaver, contractor, owns the unpatented End of Trail No. 2 claim in whole and has under lease the north 100 feet by 600 feet of the unpatented End of Trail No. 1 claim. These claims are in sec. 10, T. 5 S., R. 91 W., sixth principal meridian, Gold Stone Mining District, Garfield County, Colorado.

Until the present exploration program was accomplished, no production had come from the End of Trail No. 2 claim.

The exploration drift encountered two small, roughly parallel uranium-vanadium tabular deposits or rolls, and a few isolated logs. The rolls were encountered at distances of about 5 feet and 40 feet from the starting face of the exploration drift and trend roughly N. 30° W. The maximum thickness of mineable ore in either roll is about 2.5 feet.

The first roll was followed to the southeast but pinched out after 10 feet. No attempt was made to determine the extent to the northwest, nor was drifting accomplished along the second roll. It is believed that the thickest portion of both rolls was removed while drifting was in progress.

An estimated 15 tons was produced as a result of the drifting. From this production, 7.25 tons was shipped to the U. S. Vanadium Corporation mill at Rifle, Colorado, that averaged 0.27 percent U_3O_8 and 3.14 percent V_2O_5. The grade of the remaining tonnage will probably be less than that shipped.

It is estimated that about 20 tons remains in place in the vicinity of the rolls that will contain an average of 0.15 percent U_3O_8 and 2.0 percent V_2O_5.

The exploration project has not encountered what can be considered a significant discovery but in accordance with administrative policy, a Certification of Discovery is recommended.

Floyd H Everett, for
W. L. Dare
Mining Engineer

WLD/kp

cc 8
E487
DMEA Chron

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

FORM B

To:1/ W. L. Weaver

Box 114, Silt, Colorado

Pursuant to the provisions of Exploration Project Contract No. Idm-E487, dated February 12, 1953, (Docket No. DMEA-2661), 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-vanadium mineralization occurring in 2 small rolls in sandstone of the Morrison formation on the End of Trail No. 2 claim.

Dated: _____

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense Minerals
Exploration Administration

1/ Insert full name of operator as it appears in the Exploration Project Contract

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

FORM A

To:1/ _____

_____

Pursuant to the provisions of Exploration Project Contract No. Idm _____, dated _____, (Docket No. _____), 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 mineral deposit which is the subject of the exploration project, the Government considers and therefore certifies that a discovery or development has resulted from the work from which commercial production of ore may be made.

The Government's estimate of said discovery or development is particularly described and delimited as follows:

_____

_____

_____

_____

_____

_____

Dated: _____

THE UNITED STATES OF AMERICA

BY _____
Administrator, Defense Minerals
Exploration Administration

1/ Insert full name of operator as it appears in the Exploration Project Contract.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

February 24, 1953

Memorandum

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 25 1953

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 2661, W. L. Weaver, End of Trail No. 2, Garfield County, Colorado.

I have reviewed the subject final report and discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

It is recommended that the report be approved and an exploration loan granted in the amount of $1,800.00

The subject report has been forwarded to the Chief, Minerals Division, Bureau of Mines, in accord with the routing slip attached thereto.

H. D. Keiser

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 25 1953

TO : E. Wm. Ellis, DMEA Member
Uranium Commodity Committee

DATE: February 24, 1953

FROM : Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

SUBJECT: Final Report, DMEA Docket 2661 (Uranium) W. L. Weaver, Applicant: Silt, Colorado, End of the Trail No. 2 claim, S½ (mostly) Sec. 10, T. 5 S., R. 91 W., Garfield County, Colorado.

I have reviewed the final Field Team report with respect to the property identified in the subject above and concur with the recommendations made therein that exploration assistance be granted in the Government's proportionate share of $2,000.

Arthur P. Butler, Jr.

Arthur P. Butler, Jr.

Copy to: E. Wm. Ellis (2)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

E. Wm. Ellis, DMEA Member
Uranium Commodity Committee
Arthur P. Butler, Jr., USGS Member, Uranium Commodity Committee

February 24, 1953

Final Report, DMEA Docket 2661 (Uranium) W. L. Weaver, Applicant: Silt, Colorado, End of the Trail No. 2 claim, S½ (mostly) Sec. 10, T. 5 S., R. 91 W., Garfield County, Colorado.

I have reviewed the final Field Team report with respect to the property identified in the subject above and concur with the recommendations made therein that exploration assistance be granted in the Government's proportionate share of $2,000.

Arthur P. Butler, Jr.

Copy to: E. Wm. Ellis (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

February 17, 1953

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault, Rare and Misc. Metals Division

Subject: Executed contract, DMEA-2661, Idm-E487

Mr. Ellis has reviewed the above-captioned contract finalized by Region IV dated February 12, 1953, and has approved it.

Grace L. Ault

Grace L. Ault

Docket Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

February 13, 1953

Memorandum

To: C. O. Mittendorf, Administrator

From: Executive Officer, Field Team, Region IV

Subject: Docket No. DMEA 2661, Contract Idm-E487-W. L. Weaver

Enclosed are the original and two copies of Contract Idm-E487.

Copies of this contract have been given to the operator, the fiscal office, Region IV, and a copy has been retained for our files.

W. H. King
W. H. King

Enclosures

RECEIVED
FEB 27 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Cee 2-16-53

C
O
P
Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

BL

224 New Customhouse
Denver 2, Colorado

February 13, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Contract No. Idm-E487, Docket No. DMEA-2661-W. L. Weaver (Uranium)

Enclosed are four copies of final report covering Docket No. DMEA-2661. A contract has been prepared and is in force.

/s/ W. H. King
W. H. King

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
2-20-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

December 2, 1952

Memorandum

To: Field Team, Region IV

From: Acting Chief, Mining Division, Region IV

Subject: Final Report, DMEA Docket 2661, (Uranium) W. L. Weaver, End of Trail No. 2, Garfield County, Colorado

Enclosed are two copies of the final engineering report on the subject docket.

The examining engineer believes this project has excellent possibilities and recommends approval.

The survey which was made at the applicant's expense shows that only the north end of the End of Trail claim is covered by an oil and gas lease. Since the proposed work all lies in the south part of the claim we concur in the recommendation of the field examiner to do 100 feet of drifting at an estimated cost of $2,000, Government participation 90%, or $1800.00.

W. H. King
W. H. King

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
2-20-53
(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
November 20, 1958

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMEA 2661 (Uranium), End of the Trail Number 2, W. L. Weaver, applicant; Garfield County, Colorado

Please find enclosed the original and ten copies of the "Summary, Conclusions, and Recommendations", by M. M. Salsbury and D. R. Maclaren, and of Salsbury's engineering report on the subject district.

Salsbury concludes that a revised proposal by the applicant, W. L. Weaver, to drive 130 feet of exploratory drift following favorable mineralization has excellent possibilities of discovering uranium-bearing ore and is fully justified. He recommends the drive at an estimated cost of $80.00 per foot, the contract to be prepared on a short form MF-200 (A).

I concur with his conclusions and recommendations.

The applicant has submitted a map prepared by a registered surveyor showing that the proposed exploration will not conflict with a prior oil and gas lease.

The original brochure and revision forwarded by the Region IV Field Team with their instructions to make a field examination is returned herewith.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/dd

cc 13
DMEA 2661
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
200 New Customhouse
Denver 2, Colorado

November 14, 1952

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2861, End of the Trail Claim No. 2, Garfield County, Colorado.

Attached are 10 copies of the geological report by D. R. MacLaren covering DMEA Docket 2861, End of the Trail Claim No. 2, Garfield County, Colorado.

The applicant proposes to explore for uranium ore by driving 50 feet of tunnel; also, to build an ore bin and chute, and to construct 650 feet of access road.

Carnotite and radioactive carbonaceous material occur in the Morrison formation which outcrops on subject property. No uranium ore has been shipped from subject property, but from the adjoining property to the south. MacLaren concludes that the possibility of discovering uranium ore is good, and further exploration is justified. He, therefore, recommends that a loan be approved to drive the tunnel. However, the ore bin and chute are not necessary, and it is recommended that they be disallowed.

I concur in this recommendation.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (10)

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 2661, M. L. Weaver

End of the Trail Number 2 Claim

Garfield County, Colorado

Uranium

M. H. Salsbury, Mining Engineer
Bureau of Mines

D. R. MacLaren, Geologist
U. S. Geological Survey

November 20, 1952

DMEA 2661

W. L. WEAVER
END OF THE TRAIL NUMBER 2 CLAIM
GARFIELD COUNTY, COLORADO

Summary, Conclusions, and Recommendation

By M. H. Salsbury
Mining Engineer
Bureau of Mines

and

D. R. Maclaren
Geologist
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE

2-20-53
(date)

DMEA 2661

W. L. WEAVER
END OF THE TRAIL NUMBER 2 CLAIM
GARFIELD COUNTY, COLORADO

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By M. H. Salsbury and D. R. MacLaren

The End of the Trail Number 2 claim, located in sec. 10, T. 5 S., R. 91 W., 6 P. M., 5-1/2 miles north of New Castle, Colo., near the Ryden ranch on Elk Creek, was visited on October 8, 1952, by D. R. MacLaren, U. S. Geological Survey, and on October 20 and 21 by M. H. Salsbury, Bureau of Mines.

The revised proposal of the applicant under DMEA 2661 calling for 100 feet of exploration drift at a cost of $2,000.00, Government participation 90 percent, or $1,800.00, was checked.

The prospect consists of a short tunnel driven on an exposure of light gray, limy sandstone of the Morrison formation which outcrops in a cliff some 300 feet above the valley floor on the west side of Elk Creek. The rocks of the area are Triassic, Jurassic and Cretaceous sediments which form flat-topped hills capped by Dakota (?) sandstone. The Morrison formation is represented by beds of medium-grained, cross-bedded sandstone lenses alternating with layers of light gray limestone and mudstone. The ore exposed at the applicant's prospect consists of 2 to 6 feet of sandstone with thin, irregular lenses containing carnotite and radioactive carbonaceous material.

The ore zone has been followed in a 38-foot tunnel driven into the hill. No ore has been shipped from the claim but the Atomic Energy Commission in Grand Junction reports the shipment since February 1951 of 15 tons of ore averaging 0.13 percent U_3O_8 from a similar outcrop on the claim adjoining to the south. This was material sorted from an old dump of vanadium ore.

The applicant's revised proposal to drive 100 feet of drift following the mineralization is a logical one and the estimated cost of $20.00 per foot is fair and reasonable. The necessary equipment is installed and the applicant is competent to do the work. He proposes to contribute his share of the cost in labor and equipment and to do the work himself, possibly hiring one man.

The horizon in which the prospect is located has not been sufficiently explored and the possibility of discovering uranium-bearing ore appears to be good. Further exploration is justified.

It is recommended that this application be approved in the amount of $2,000.00, Government participation 90 percent, or $1,800.00, for the purpose of driving 100 feet of prospect drift, subject to clarification of the validity of the location of the claim which may conflict with an oil and gas lease on the north half of section 10.

END OF THE TRAIL CLAIM NO. 2

GARFIELD COUNTY, COLORADO

DMEA DOCKET 2001

Geologic Report

By D. R. McLaren
U. S. Geological Survey

END OF THE TRAIL CLAIM NO. 2
GARFIELD COUNTY, COLORADO

INTRODUCTION

U. L. Hoser of Silt, Colorado, has applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on the End of the Trail claim No. 2, Elk Creek district, secs. 10 and 15, T. 5 S., R. 91 W., Garfield County, Colorado. The applicant proposes to build an ore bin and chute, to construct 650 feet of access road, and to drive 60 feet of tunnel at an estimated cost of $2,252, of which the Government will pay $2,[illegible].

The property was examined on October 6, 1952, accompanied by the applicant. The claim is accessible throughout most of the year from New Castle, Colorado, over 5½ miles of graveled State Highway 325, and about 1 mile of poor dirt "mine" road.

The ore bin and chute are not necessary to the exploration and it is recommended that they be disallowed. It is recommended that this application be approved to allow 100 feet of tunnel at a cost of $2,[illegible], the Government's share to be $1,[illegible], as estimated by the U. S. Bureau of Mines.

GEOLOGY

The rocks of the area are Triassic, Jurassic, and Cretaceous sediments that have a general northwesterly strike and dip from 12° to 35° SW. On the End of the Trail claim No. 2, the Morrison formation outcrops from a steep slope about 200 to 300 feet high. The hill is capped by Dakota(?)

sandstone that forms a low cliff. Any other cliff and bench topography that might have been developed on the Morrison outcrop has been obliterated by talus still except for an occasional small cliff 3 to 5 feet high.

The Morrison is represented by beds of medium-grained, cross-bedded sandstone lenses alternating with layers of light gray limestone and mudstone. The ore horizon is a zone 3 to 5 feet thick in a section of light gray limy sandstone in which occur thin irregular lenses containing carnotite and radioactive carbonaceous material. The ore zone has been followed by a 30 foot tunnel in which considerable carnotite occurs along joints and bedding planes. Along the north wall of the tunnel two seams of carbonaceous material, each about 1/2 inch thick, show considerable radioactivity. Near the portal of the tunnel the beds strike N. 20° W. and dip 12° SW. The two "coal" stringers near the breast strike N. 15° W., and dip 33° W.

No ore has been shipped from this claim, but from the ore adjoining it to the south, the ASC in Grand Junction reports that since February 23, 1952, 15 tons of ore averaging .13% U_3O_8 have been shipped to the U. S. Vanadium Company mill at Uravan.

CONCLUSIONS AND RECOMMENDATIONS

Carnotite and radioactive carbonaceous material exist in a known horizon of the Morrison formation. Locally, this horizon has not been sufficiently explored to determine extent and grade of ore. The possibility of discovering uranium bearing ore appears to be good, and further exploration is justified. Due to the steepness of the slopes, diamond drilling would be costly and difficult, and exploration by tunneling is recommended.

It is also recommended that this application be approved for the sum of $2,000, the Government's share to be $1,800, to drive 100 feet of tunnel.

DMEA 2661

W. L. WEAVER
END OF THE TRAIL NUMBER 2 CLAIM
GARFIELD COUNTY, COLORADO

Engineering Report

By M. R. Salsbury
Mining Engineer
Bureau of Mines

DMEA 2261

W. L. WEAVER
END OF THE TRAIL NUMBER 2 CLAIM
GARFIELD COUNTY, COLORADO

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Ore reserves	5
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ILLUSTRATIONS

Figure	Follows page
1. Location map, End of the Trail Number 2, W. L. Weaver, Elk Creek district, Garfield County, Colorado	2
2. End of the Trail Number 2, W. L. Weaver, Elk Creek district, Garfield County, Colorado	5

DMEA 2661

W. L. WEAVER
END OF THE TRAIL NUMBER 2 CLAIM
GARFIELD COUNTY, COLORADO

ENGINEERING REPORT

By

M. H. Salsbury

INTRODUCTION

On October 20 and 21, 1952, M. H. Salsbury of the Bureau of Mines examined the End of the Trail Number 2 claim on which W. L. Weaver, of Silt, Colo., has applied for exploration assistance on a uranium prospect in the amount of $2,232.00, Government participation 90 percent, or $2,008.80, under DMEA 2661.

Originally, the applicant proposed to construct 650 feet of road, build an ore bin, and drive 60 feet of exploration tunnel on an exposure of uranium ore. He was advised later by D. R. MacLaren of the U. S. Geological Survey, who examined the property on October 8, 1952, that the ore bin would not be allowed under an exploration loan. Since then, enough of the necessary road has been constructed to serve the requirements of the proposed exploration work. The applicant is, therefore, filing an amended application calling for 100 feet of exploration tunnel at an estimated cost of $20.00 per foot, or $2,000.00; Government participation 90 percent, or $1,800.00

ACKNOWLEDGMENTS

Information on the property was obtained from the office of the Atomic Energy Commission in Grand Junction, Colo., from the Bureau of Land Management in Denver, Colo., from the office of the U. S. Vanadium Company in Rifle, Colo., and from the county offices in the Garfield County courthouse, Glenwood Springs, Colo.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The End of the Trail Number 2 claim is located in the Elk Creek district of Garfield County, Colo., in sec. 10, T. 5 S., R. 91 W., 6 P. M. (fig. 1). The location certificate further describes it as being in the "Gold Stone Mining District". The claim is several miles east of a similar occurrence where vanadium and uranium deposits are mined by the U. S. Vanadium Company.

The country is typical mesa land cut by canyons, with steep slopes and prominent outcrops at and below the mesa tops and talus slopes masking the flat-lying sedimentary beds lower down.

The applicant's claim is on the east slope of a hill overlooking the Ryden ranch on Elk Creek to the east. It is 0.7 of a mile by a very steep dirt road to the county road at the Ryden ranch and 5.5 miles by county road and State Highway 329 to U. S. Highway 24 at New Castle, Colo.

The area is accessible throughout the year, even during severe winters, through the efforts of county road crews. The mine road from the county highway to the workings will probably be impassable for periods after heavy storms and during the spring thaw. The

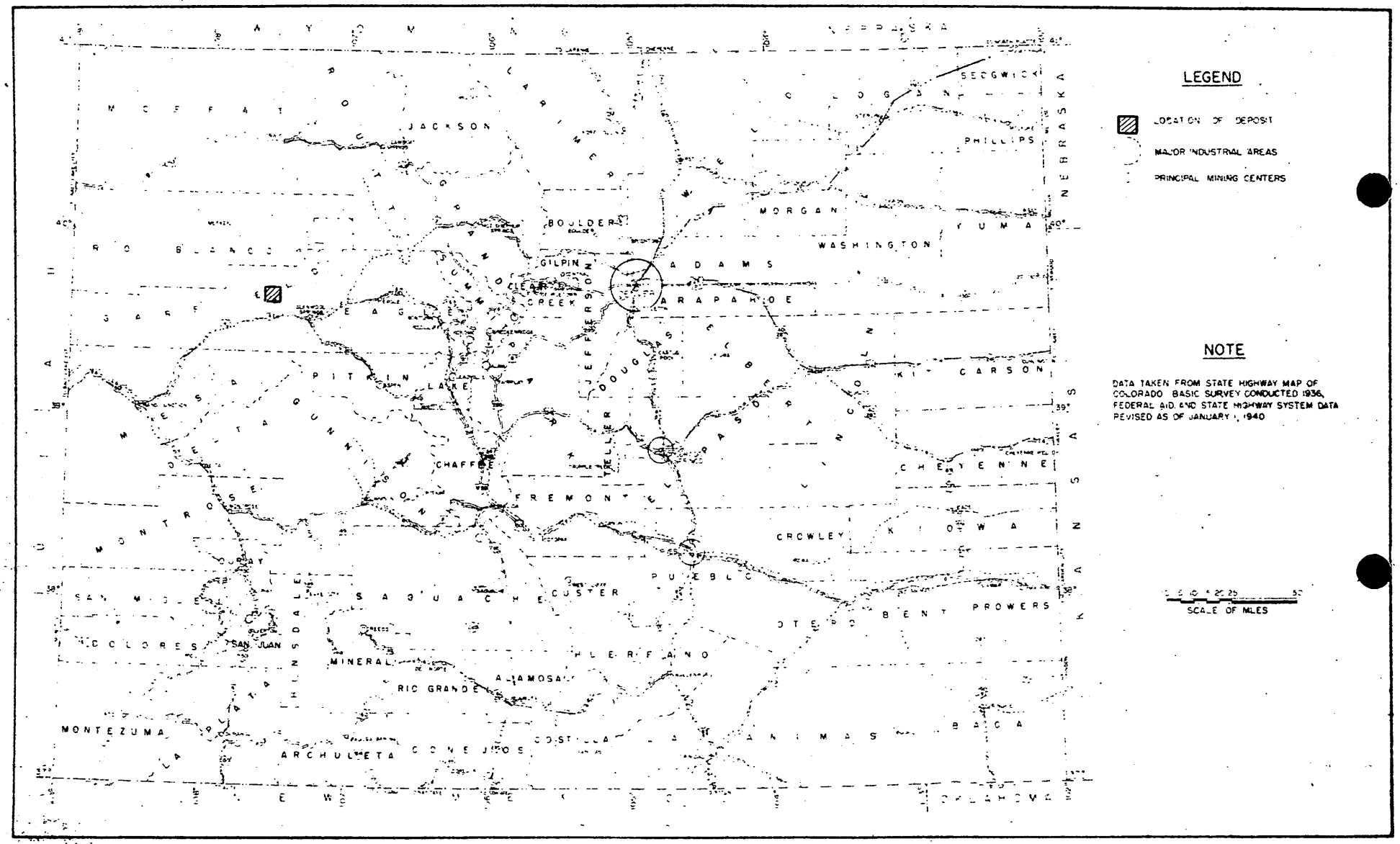


Figure 1 - Location map, End of Trail No. 2, W. L. Weaver, Elk Creek district, Garfield County, Colorado - DMEA 2661.

property is 16 miles from the plant of the U. S. Vanadium Company at Rifle, Colo., the market for any ore produced.

HISTORY AND PRODUCTION

The area was prospected at the time exploration for vanadium was being carried on in this vicinity but there were no valid locations until 1942 when two claims, End of the Trail Number 1 and Number 2, were located end to end by C. J. Crawford and Frank E. Long. Shipments of vanadium ore from shallow workings on the End of the Trail Number 1, which adjoins the applicant's claim on the south, have been made since 1942 and the Atomic Energy Commission reports the shipment of 15 tons of ore assaying 0.13 percent U_3O_8 from the End of the Trail Number 1 since February 1951. Prior shipments undoubtedly contained uranium which was not considered or paid for. The claim is not being worked at the present time.

There has been no production from the applicant's claim.

OWNERSHIP AND EXTENT

The applicant's claim, End of the Trail Number 2, is recorded in the Garfield County courthouse, Glenwood Springs, Colo., under location certificate number 146903, filed at 11:20 a.m., June 6, 1942, and recorded in book LR2a on page 210. The locators, C. J. Crawford and Frank E. Long, sold the claim to Chester E. Wittwer and Walter L. (W. L.) Weaver on June 14, 1951. On September 28, 1951, Wittwer gave Weaver, the applicant, a quitclaim deed for his interest and Weaver is now the sole owner.

The validity of the location is clouded by a gas and oil lease on the north half of sec. 10, T. 5 S., R. 91 W., issued by the Government and dated November 1, 1946, extended 5 years.

The actual position of the End of the Trail Number 2 claim is vague as described in the location certificate. The discovery point is 50 feet from the south end line of the 1,500- by 600-foot claim which is described as 0.75 mile westerly from the residence on the Ryden Brothers' ranch on main Elk Creek. The Atomic Energy Commission engineer placed the southeast corner of the claim roughly 3,500 feet S. 86° W. from the only house which can be seen from the claim. This is the residence on the Ryden ranch. The Bureau of Mines engineer found this measurement and bearing reasonably accurate and further established that the bearing of the sideline of the claim is about N. 16° W.

By reference to a map at the Ryden ranch which the Bureau engineer examined, the Ryden ranch residence is in section 11 not far south of a line marking the boundary between the north and south halves of sections 10 and 11. The highway and transportation map of Garfield County issued by the Colorado State Highway department places the residence north of the same boundary. However, the highway office states that the accuracy of this map is questionable. In either case the tie from the ranch residence to the claim places part of the applicant's claim, at least, in the north half of section 10 in conflict with the oil and gas lease. A survey would be necessary to establish the location of the claim accurately.

While the location date of End of the Trail Number 2 claim, June 6, 1942, clearly antedates the oil and gas lease dated November 1, 1946, it would probably be necessary to have the Bureau of Land Management take steps to validate the location unless the applicant can show that the claim is entirely in the south half of section 10, which is open. The relationships described above are shown in detail on figure 2.

DESCRIPTION OF THE DEPOSITS

The ore consists of carnotite and radioactive carbonaceous material in a light gray, limy sandstone of the Morrison formation which outcrops about 300 feet above the valley floor. The mineralization is low-grade and "spotty" in character and appears to be 2 to 6 feet wide with two seams 1/8-to 1/4-inches thick of carbonaceous material showing on the north wall of a short tunnel (fig. 2, insert) following the ore, and running slightly down grade on the dip of the bedding which strikes N. 40° to 45° W. and dips about 12° to the southwest. The carbonaceous seams near the face dip as much as 35° to the west and strike N. 18° W.

The mineralization is similar to that in the same bed on the End of the Trail Number 1 claim which adjoins on the south and which has produced some vanadium and uranium from shallow workings along the outcrop.

ORE RESERVES

There are no developed ore reserves.

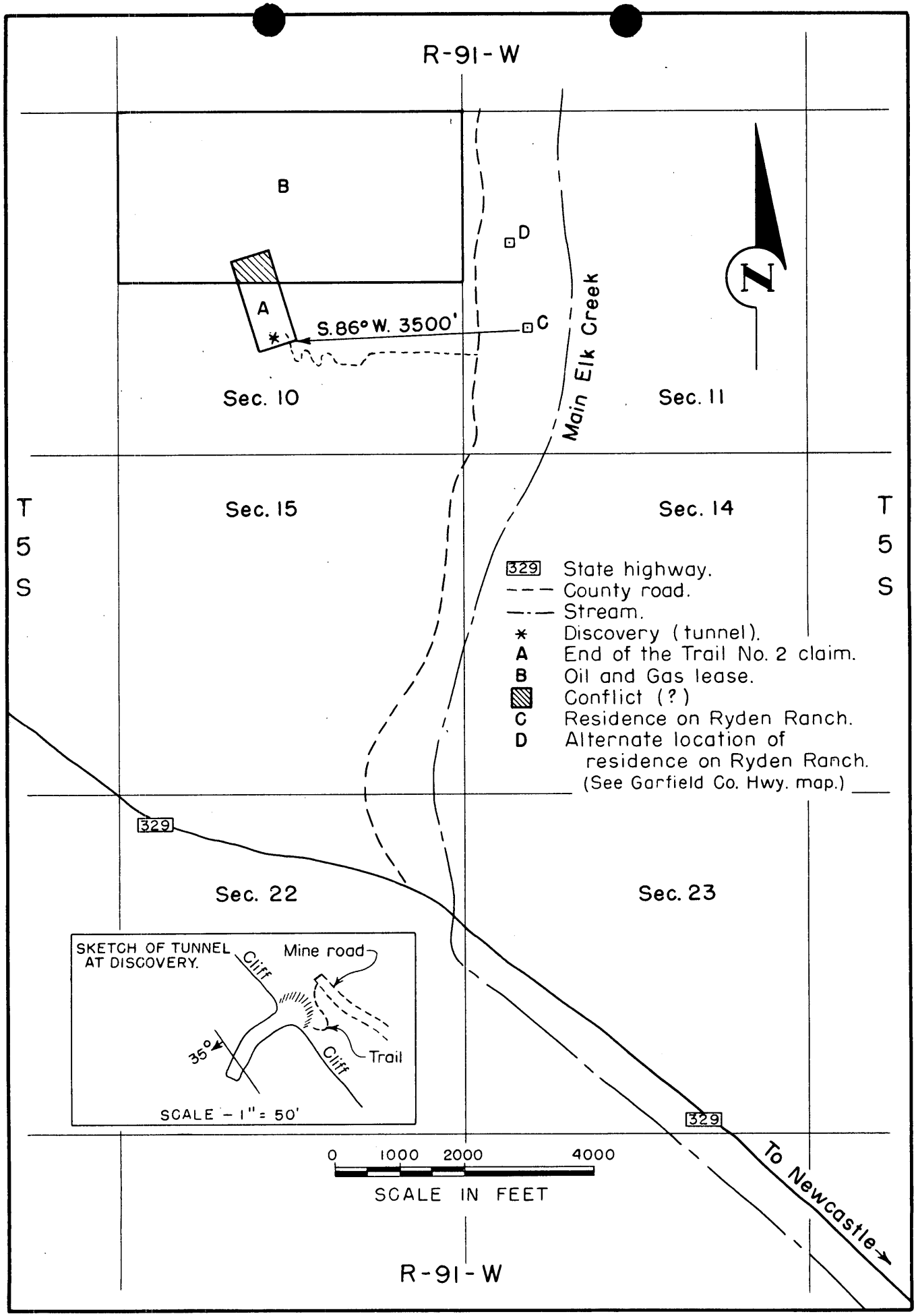


FIGURE 2-END OF THE TRAIL NO 2 W.L. WEAVER ELK CREEK DIST GARFIELD CO. COLO. DMEA 2661

PRESENT STATUS

Exploration and Development

The applicant has completed a verysteep road to a point fifty feet down the hill from the tunnel portal and states that this will suffice for the proposed exploration. The tunnel is reached by a steep trail over which Weaver has carried in all supplies.

The tunnel has been driven southwest 38 feet on a slight down grade following the mineralization. Muck is handled with a wheelbarrow.

Mining and Milling Equipment

The operation is equipped with a converted gasoline engine used as a compressor, a light unmounted jack hammer, small tools, drill rods, and detachable bits. The compressor is not efficient but is adequate for drilling the soft rock encountered.

There are no milling facilities and any ore produced will be shipped to the U. S. Vanadium plant at Rifle, Colo.

PROJECT PROPOSALS

The applicant's revised proposal consists of driving 100 feet of prospect drift at an estimated cost of $20.00 per foot to explore the mineralization showing in the face of the tunnel. No additional equipment is needed and the applicant proposes to furnish all equipment and labor, possibly employing one man in addition to himself.

PRODUCTION PLAN

The applicant estimated that he could complete the exploration under the original proposal in nine months. Barring delays from bad weather, he should complete the revised proposal in four months.

PROPOSED FINANCING

The applicant proposes to furnish his share of the cost in labor and equipment.

CONCLUSIONS

The mineralisation showing in the tunnel is fairly strong and is worth further prospecting.

By analogy with the deposits mined in the End of the Trail Number 1 claim to the south, there is an excellent possibility of opening up worthwhile amounts of uranium ore. The material now exposed would make only low-grade ore if mined and sorted carefully, but there is a good possibility of opening up larger and richer lenses by further work.

The applicant's plan of drifting along the mineralisation is the only method economically feasible in this instance.

The pitchsof the ore appears to be at an angle to and flatter than the dip of the radioactive seams so that it should be possible to continue exploration using a wheelbarrow for haulage. The applicant states, however, that he can furnish a hoist, track, and car, if necessary.

The applicant is competent to carry on the proposed exploration and, so far as inquiry in the vicinity disclosed, is reliable.

RECOMMENDATIONS

It is recommended, if the location of the claim is established and/or the conflict with the oil and gas lease on the north half of section 10 can be adjusted, that an exploration loan in the amount of $2,000.00, Government participation 90 percent, or $1800.00, be approved to drive 100 feet of drift following the mineralization now showing in the face of the tunnel. This work would not necessarily follow a straight line and might consist of several branching headings as conditions require.

A rate of payment of $20.00 per foot incorporated in a short form contract would be a fair and reasonable figure under the conditions prevailing.

cb

1-1027
(April 1946)

UNITED STATES
DEPARTMENT OF THE INTERIOR

AGENCY Bureau of Mines, Reg. IV

Originator:

TELETYPE

Ext.: ..... Room: .....

Appro.:
Date: 2/12/53
Time:
No.:
To: C O MITTENDORF DMEA WASH.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Received
FEB 12 1953

Subject:

PLEASE ASSIGN A NUMBER TO CONTRACT COVERING DOCKET NUMBER DMEA 2661, W. L. WEAVER, BOX 114, SILT, COLORADO. PROPERTY IN GARFIELD COUNTY, COLORADO. COMMODITY URANIUM. DATE OF CONTRACT FEBRUARY 12, 1953. TOTAL COST OF CONTRACT $2,000.00, GOVERNMENT PARTICIPATION $1,800.00.

W. H. King BW.
W. H. KING

CONFIRMATION

Authorized:

Sign original message and transmit to Room ..... in duplicate

U. S. GOVERNMENT PRINTING OFFICE 16—50915-1

2/17/53 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

February 13, 1953

Memorandum

Department of the Interior
Defense Minerals Administration
FEB 1 0 1953

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Contract No. Idm-E487, Docket No. DMEA 2661-W. L. Weaver (Uranium)

Enclosed are four copies of final report covering Docket No. DMEA 2661. A contract has been prepared and is in force.

W. H. King
W. H. King

Enclosures

Adams

Defense Minerals Exploration Administration
Robert L. Adams
2017 4070

14K3923.970, Working Fund, Interior, DMEA
February 13, 1953
10:45 a.m.

Y.S. in R.v.R.

W. H. King, Executive Officer, Region IV, 224 New Customhouse Bldg., Denver 2, Colo.

Assignment of Contract Number

INURTIL 2-12-53 W. L. MOYER, SILT, COLORADO DMA 2661, COMMODITY URANIUM.

CONTRACT NUMBER DMEA 487 ASSIGNED THIS CONTRACT

BW.

C. O. Mittendorf (for)

ADMINISTRATOR

READAMS/cac
CC to: Adm. Reading file
Mails & files Br.
Audits Division
Miss Curtin

SENT
FEB 13 1953
Clerical Service Section

SPECIAL

CPO

Mr. C.O. Mittendorf
Feb. 13, 1953
8:00 AM.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 13 1953

DN 235 BUREU MINES 2-12-53 2-40 PM

C O MITTENDORF

PLEASE ASSIGN A NUMEXXXX NUMBER TO CONTRACT COVERING DOCKET NUMBER DMEA 2661, W. L. WEAVER, BOX 114, SILT, COLORADO. PROPERTY IN GARFIELD COUNTY COLORADO. COMMODITY URANIUM. DATE OF CONTRACT FEBRUARY 12,1953. TOTAL COST OF CONTRACT $2,000.00, GOVERNMENT PARTICIPATION $1,800.00.

W H KING

90070
IDME487

Denver, Colo.

FEB 13 8 22 AM '53
BUREAU OF MI
MAIL ROOM
WASHINGTON, D. C.

2661

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DEC 5 1952

224 New Customhouse
Denver 2, Colorado

December 2, 1952

Memorandum

To: Administrator, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2661, (Uranium) W. L. Weaver, End of Trail No. 2, Garfield County, Colorado

The application for Government assistance in exploration work estimated to cost $2,000 has been approved by us and a contract is being prepared.

Government participation will be 90 percent, or $1800.

Four copies of the Final Report will be forwarded when the contract is processed.

The original and one copy of Form 3b is attached.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

Department of the Interior
Defense Minerals Administration
DEC 5 1952

December 2, 1952

Memorandum

To: Administrator, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2661, (Uranium) W. L. Weaver, End of Trail No. 2, Garfield County, Colorado

The application for Government assistance in exploration work estimated to cost $2,000 has been approved by us and a contract is being prepared.

Government participation will be 90 percent, or $1800.

Four copies of the Final Report will be forwarded when the contract is processed.

The original and one copy of Form 3b is attached.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

DMEA Form 3b
(Revised)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

CONTROLLED DOCUMENT
Revised Abstract

DMEA Docket No. 2661

Name of Applicant W. L. Weaver

Change:	From		To		
	III 1	☐	III 1	☒	12-2-52
	III 2	☐	III 2	☐	
	III 3	☐	III 3	☐	
	III 4	☒	III 4	☐	
	III 5	☐	III 5	☐	

Add:

II 7 $ 2,232

II 8 $ 2,000

II 8a % 90

Remarks:

Initials of person preparing sheet H.M.C.

Date sheet prepared 12-2-52

17367

DMEA Form 3b
(Revised)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

CONTROLLED DOCUMENT
Revised Abstract

DMEA Docket No. 2661

Name of Applicant W L Weaver

Change:	From		To	
	III 1	☐	III 1	☒ 12-2-52
	III 2	☐	III 2	☐
	III 3	☐	III 3	☐
	III 4	☒	III 4	☐
	III 5	☐	III 5	☐

Add:

II 7 $ 2,232

II 8 $ 2,000

II 8a % 90

Remarks:

Initials of person preparing sheet H.M.C.

Date sheet prepared 12-2-52

17367

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-2661
Metal or Mineral
Date Received 8-18-52
Estimated Cost
Participation (Government %)

AUG 18 '52

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: W. L. Weaver
Box 114,
Silt, Colo.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

Included is the Location Certificate

(*b*) State any mine name by which the property is known. END OF THE TRAIL NO.2

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Book L R 2 A at page 210, on June 6,1942

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) [redacted]e the mineral or minerals for which you wi[redacted] explore Uranium

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

[x] Money or [x] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated August 13, 1952

W L Weaver
(Applicant)

By .....

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.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

4. Physical description:
A. One half mile of road build, 50 ft. prospect hole, 2 ft. of milling ore, worthy of examination.

(b) 020 and better in cormetite Uranium.

(c) Sketch included

(d) Twenty one miles from U.S.V. Mill, three quarters of mile to County road, seven miles to State Highway. Total of 21 and 3/4 miles from mine to the U.S.V. Mill in Rifle.

(e) Man power to be hired. Equipment to be rented. Haul water 3/4 mile.

5. The exploration Project:

(a) Uranium

(b) Sketch included

(c) Within ten days after approval of exploration ~~xx~~ project, completing in nine months.
(d) Mining 25 years. Mining in and around mines.

6. Estimated Costs:

(a) None

(b) Applicant will run mine.

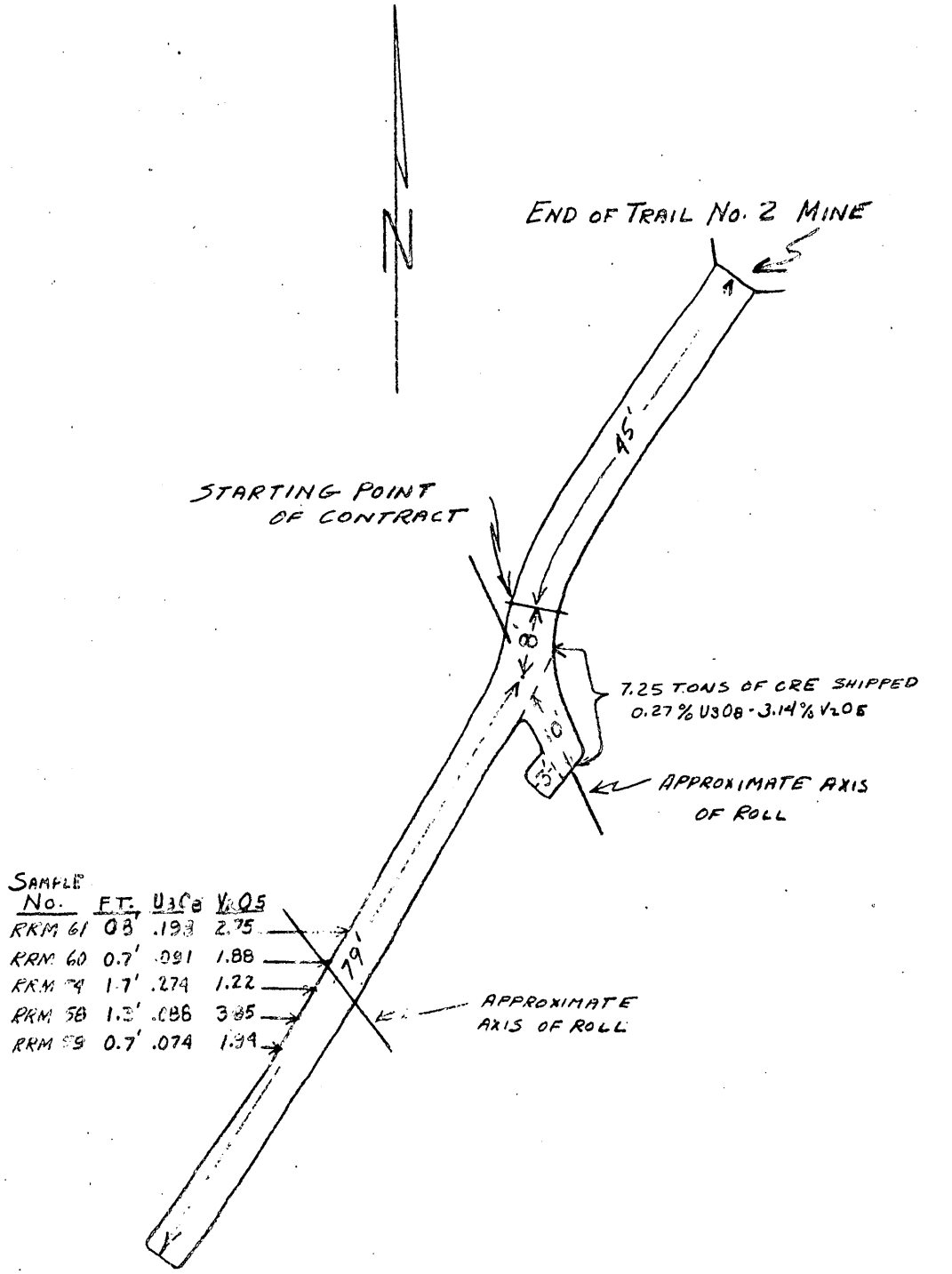
(c) 650 ft. of road partly dirt, part ledge bulldozed 40 hrs. @ 10.00 dollars an hour-$400.00, compressor 20 hrs. @ $3.00 and hr.-$60.00, $50.00 for powder and fuses. Total: $510.00.
60 ft. shoot and storage ben and 30 ft. rampt, 1,800 ft. of 2 inch lumber, 1,800 ft. of 6x6 inch timbers- lumber @ $100.00 a thousand equals $360.00. Also 100 lbs of nails@ $12.00 and 100 hrs. labor @ $1.50 and hr.- $150.00, and 60 ft. of tunnel with timbers and cross headers where needed @ $20.00 a foot.
All items included amount to $2,232.00.

(d) Air compressor, jack hammer and equipment rent @ $10.00 a day.

7.
(a) Yes.

(b) By rental of machinery or by adding 10%.

M. L. Wheaton



FROM BRUNTON AND TAPE SURVEY
BY R.R. McLELLAN

0 20 40
SCALE IN FEET

FIG 2. PLAN MAP SHOWING EXPLORATION COMPLETED, END OF TRAIL No. 2 MINE, DMEA 2661

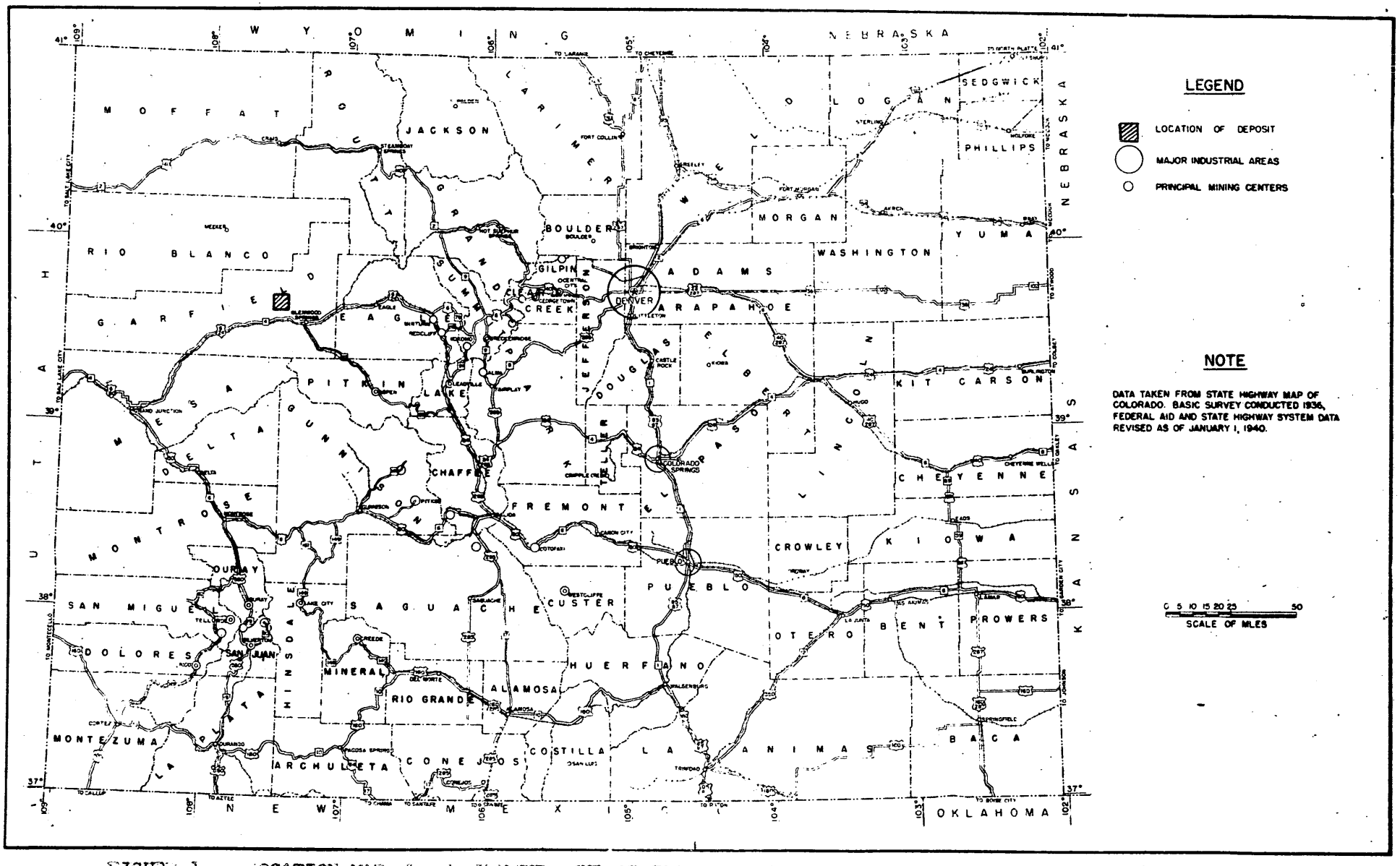


FIGURE 1. - LOCATION MAP, W. L. WEAVER, END OF TRAIL NO. 2 MINE, GARFIELD COUNTY COLO. (DMLA 2331)

DMEA
2741

Mr. George C. Selfridge, Chairman
Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

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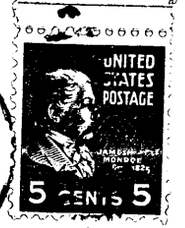

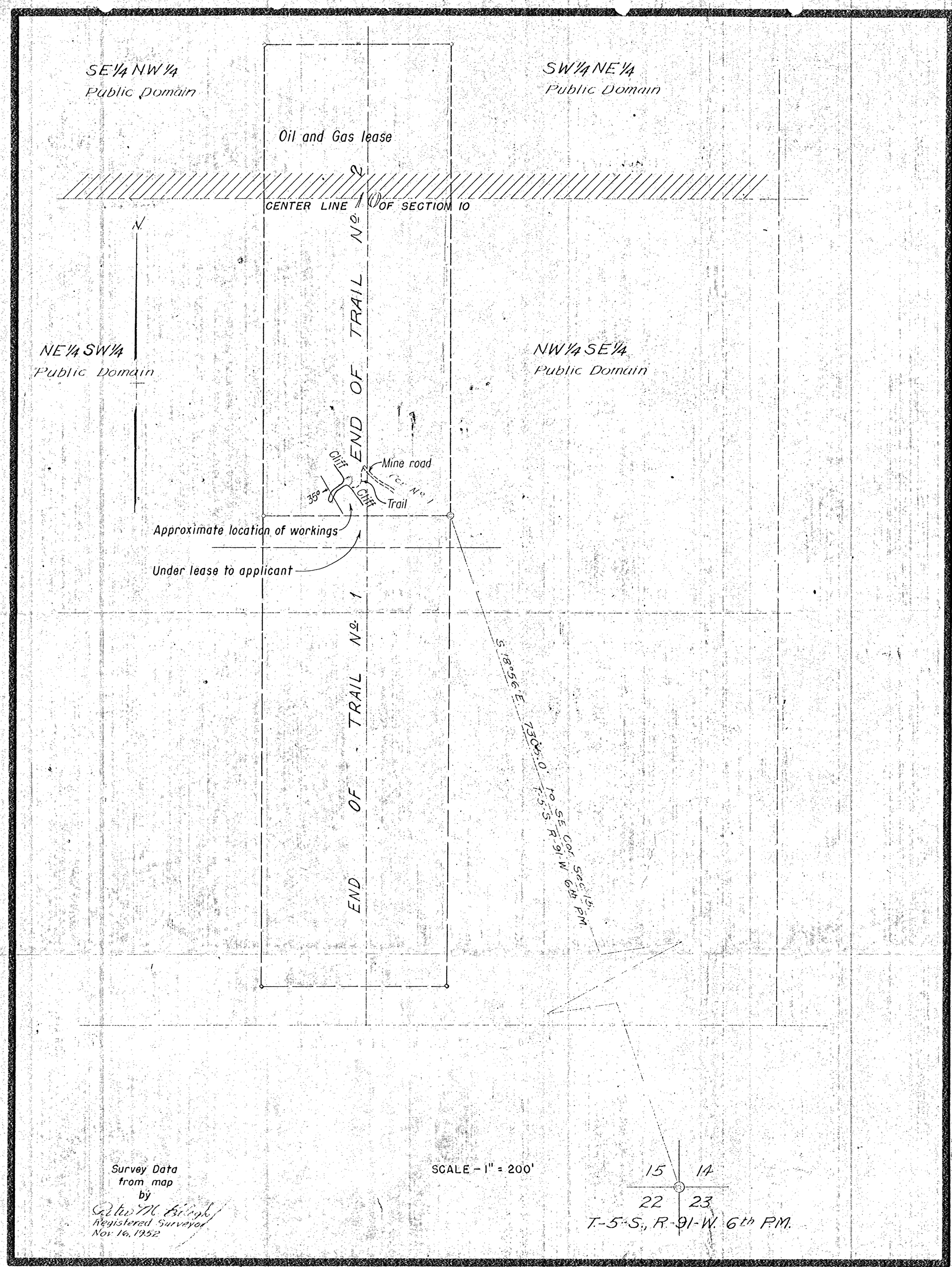

FIGURE 1 - END OF THE TRAIL NO. 2, W. L. WEAVER, ELK CREEK DIST., GARFIELD CO., COLO. DMEA 2661