DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
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No. 4

AMENDMENT OF CONTRACT: No. Ida-2672

Contract Docket No. DMEA 3190, dated May 10, 1954, between the United States of America and a partnership consisting of Richard Vopat, Avis M. Young, R.H. Spencer, Fred M. Heine, and Robert B. McKeely, dba Flattop Mining Company, is hereby amended as follows, effective as of the date of the contract:

> Referring to Amendment No. 3, dated December 29, 1954, said Amendment No. 3 is cancelled in its entirety effective as of its effective date.
>
> Referring to "Article 3. Exploration Project" of Exploration Project Contract form MF-200(A) (February 1952), as amended by Amendment No. 2 dated September 3, 1954, the date of "December 10, 1954", fixed as the date for completion of the project work, is changed to read "April 1, 1955".
>
> Referring to Annex II attached to and made a part of Amendment No. 1, item "b(2)", in the wording "for a period of ten years from the date of the contract", the words "ten years" are changed to read "eleven years".

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

Dated February 3, 1955

FLATTOP MINING COMPANY

By Richard Vopat
Richard Vopat, agent in fact
for the partnership

UNITED STATES OF

By W.M. Traver
W.M. Traver,
DMEA Field

See W.M. Trav
Clearance men

22/6/6
22/8/1

No. 3

AMENDMENT OF CONTRACT: No. Idm-2672

Contract Docket No. DMEA 3190, dated May 10, 1954, between the United States of America and a partnership consisting of Richard Vopat, Avis M. Young, R. H. Spencer, Fred M. Heine, and Robert B. McNeely, dba Flattop Mining Company, is hereby amended as follows, effective as of the date of the contract:

> Referring to Article 3. Exploration project of Exploration Project Contract Form MF-200(A) (February 1952), following the words "and shall bring the project to completion" delete "prior to December 10, 1954 and in lieu thereof substitute "prior to February 1, 1955 .
>
> Referring to Article 6. Repayment by Operator of the contract form and referring to Annex I which substituted material for that part of Article 6(a) preceeding the colon, in the substituted material the words ten years" are changed to read "eleven years .

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

Dated DEC 29 1954

FLATTOP MINING COMPANY

By Richard Vopat
Richard Vopat, agent in fact for the partnership

UNITED STATES OF AMERICA

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

See W. H. King memo 12/
Clearance memo 1/5/55

No. 2

AMENDMENT OF CONTRACT: No. Idm-8672

Contract Docket No. DMEA 3190, dated May 10, 1954, between the United States of America and a partnership consisting of Richard Vopat, Avis M. Young, R. H. Spencer, Fred M. Heine, and Robert B. McNeely, doing business as Flattop Mining Company, is hereby amended, effective May 10, 1954, as follows:

> Referring to "Article 3. Exploration project" of Exploration Project Contract Form MF-200 (A) (February 1952), following the words "The Operator", delete "within 60 (sixty) days from the date of this contract" and in lieu thereof substitute "prior to September 20, 1954"; further, following the words "and shall bring the project to completion", delete "within a period of four months from the date of this contract" and in lieu thereof substitute "prior to December 10, 1954".

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

Dated SEP 3 1954

Flattop Mining Company

By Richard Vopat
Richard Vopat, agent in fact

UNITED STATES OF AMERICA

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

See W. H. King memo 9/3/54
Clearance memo 9/9/54

Division Copy

EXPLORATION PROJECT CONTRACT
RICHARD VOPAT, AVIS M. YOUNG, R. H. SPENCER,
FRED M. HEINE, AND ROBERT B. McNEELY
DOING BUSINESS AS FLATTOP MINING COMPANY
DOCKET NO. DMEA-3190

AMENDMENT NO. 1

It is agreed this 9th day of July, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Richard Vopat, Avis M. Young, R. H. Spencer, Fred M. Heine, and Robert B. McNeely, doing business as Flattop Mining Company, hereinafter called the "Operator," that Exploration Project Contract Idm-E672 (Docket No. DMEA-3190), dated May 10, 1954, hereinafter called the "Contract," is amended effective May 10, 1954, as follows:

1. In Exhibit "A," under "Description of the Work," add a new paragraph reading as follows:

> Casing shall be set in all holes from the surface to the top of the Todilto limestone before the limestone is penetrated to insure the recovery of undiluted samples; or, as an alternative to casing, where consolidation of material can be obtained by wet drilling with the use of "Aquagel," then wet drilling shall be performed.

2. In Exhibit "A," under "Estimated Costs of the Project"—

a. Add:

(1) Under Stage 1—

2,050 feet of casing @ $0.50/ft. 1/	$1,025.00

1/ Wet drilling with "Aquagel" may be substituted for casing at the rate of $0.30 per foot.

See W. H. King memo 9/3/54

(2) Under Stage 2—

1,500 feet of casing @ $0.50/ft. 1/	$750.00

(3) Under Stage 3—

2,400 feet of casing @ $0.50/ft. 1/	1,200.00

b. The estimated total cost of the project is increased to "$11,007.50."

c. The last total is revised to read:

Government Participation @ 90%	$9,906.75

3. In Article 4 of the Contract, the estimated total cost of the project is changed to "$11,007.50," and the aggregate total amount which the Government will contribute is changed to "$9,906.75."

4. Annex I attached to the Contract is cancelled, and Annex II attached hereto and made a part hereof is substituted for Article 6 of the Contract form.

1/ Wet drilling with "Aquagel" may be substituted for casing at the rate of $0.30 per foot.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C O Mittendorf
Administrator, Defense
Minerals Exploration
Administration

FLATTOP MINING COMPANY

By Richard Vopat
(Richard Vopat)

By _____
(Avis M. Young)

By _____
(R. H. Spencer)

By _____
(Fred M. Heine)

By _____
(Robert B. McNeely)

EXPLORATION PROJECT CONTRACT
RICHARD VOPAT, AVIS M. YOUNG, R. H. SPENCER,
FRED M. HEINE, AND ROBERT B. McNEELY
DOING BUSINESS AS FLATTOP MINING COMPANY
DOCKET NO. DMEA-3190

Minerals Administration
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SEP 7 1954

ANNEX II

The following provisions are in lieu of Article 6 :

Repayment by Operator.--a. Certification.--If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered the final report and final account, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

b. Royalty on production.--The Operator, as principal, if the Operator is the producer, or as surety, if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

c. Basis for computation.--The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f.o.b. point); except, that charges of the buyer arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight paid by the buyer to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the

Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the raw ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

d. Unsold production.--If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

e. Percentages of royalty.--The percentages of the Government's royalty shall be as follows:

> One and one-half ($1\frac{1}{2}$) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half ($\frac{1}{2}$) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.
>
> (For instance: the royalty on an amount of five dollars ($5.00) per ton, would be one and one-half ($1\frac{1}{2}$) percent; on an amount of ten dollars ($10.00) per ton, three and one-half ($3\frac{1}{2}$) percent.)

f. Lien for payment.--To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

g. Notice to purchasers.--The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

h. No obligation to produce.--Nothing in this contract is 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.

i. Government not obligated to buy.--Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

MF-203
(Revised July 1, 1954)

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 _____, County of _____, described as follows:1/

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/ _____

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

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

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

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

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.

(OVER)

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

4. Changes and added provisions _____

_____

_____

_____

Dated this 30th day of August, 1954.

Hazel I. Manole [Seal]

Velatie W. Hegel [Seal]

J. O. Manole [Seal]

MF-200 (A)
(February 1952)

DOCKET [redacted] DMEA 329-[illegible]

COMMODITY Uranium

Idm-1672

Defense Minerals Exploration Administration
RECEIVED
JUN 17 1954

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this [illegible] day of May, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] a partnership consisting of Richard Wopat, 601 Court Street, Davis M. Young, 912 Church Street, L.H. Spencer, 606 Russell Street, all in Scott City, Kansas, and Fred H. Heine, Lucas, Kansas, Robert B. McNeely, 337 South Terrace Drive, Wichita, Kansas, dba Flattop Mining Company

hereinafter called the "Operator," as follows: and as set forth in Annex I attached hereto and made a part hereof.

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 New Mexico, County of McKinley, described as follows:[3] Flat Top-Vilatie Hyde Claims numbers 1, 2 and 3 located in the South 1/2 of the Southeast 1/4 Sec. 30, T. 13 N., R. 9 W., and recorded in the County Clerk's office in Book 10, Pages 237 and 238.

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:

Mrs. Vilatie Hyde	perpetual 5% royalty
Frank Manol } Hazel I. Manol }	perpetual 10% royalty

[redacted]

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 (sixty) 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 four 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 90 (ninety) 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 $7,229.25, which is 90 percent of $8,032.50, 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.

16—66329-1

See clearance memo 6/14/54

(*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: See Annex I substituted for that part of 6(a) preceding the colon.

(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.

R. N. Spencer
Richard Robert
(Operator)
Ira M. Young
By Robert H. Merrell
Fred H. Heinte

THE UNITED STATES OF AMERICA

By W. H. King
Executive Officer, RMEA
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

DMEA-3190

EXHIBIT "A"

Description of the work

The work will be divided into three stages.

Stage 1 will consist of rotary drilling 41 holes at locations as shown on Figure 2 which is attached and made a part of Exhibit "A".

Stage 2 will consist of rotary drilling not to exceed 30 holes offset from those drilled under Stage 1. The performance of any or all of Stage 2 drilling is dependent on the results of drilling under Stage 1 and is subject to the prior written approval of the DMEA Field Team, Region IV. No hole drilled under Stage 2 shall be closer than 50 feet to any other hole drilled under Stage 1 or Stage 2.

Stage 3 will consist of rotary drilling not to exceed 48 additional offset holes and the performance of any or all of the drilling is dependent on the results of Stage 1 and Stage 2 drilling and is subject to the prior written approval of the DMEA Field Team, Region IV. No hole drilled under Stage 3 shall be drilled closer than 50 feet to any other hole drilled under Stages 1, 2 or 3.

All holes in each Stage will be drilled five feet below the base of the Tedilto limestone which is the ore bearing horizon and it is estimated that all holes will average approximately 75 feet in depth to this point.

A permanent geologic record including the radiometric logging of every hole will be made by the operator and submitted to the DMEA Field Team, Region IV, at the end of each stage of drilling. This geologic record will contain an accurate log and sample results of each hole.

All holes will be rotary drilled and all sample cuttings throughout the entire thickness of the Tedilto limestone will be collected separately in two feet runs, split, sacked, and labeled, one-half to be retained and properly stored for use of the Government. A total of at least 20 samples will be checked by chemical analyses by the operator and recorded in the geologic record.

Estimated Costs of the Project

Stage 1:	41 holes, 3075 feet at $.90 per foot.....	$ 2,767.50
Stage 2:	30 holes, 2250 feet at $.90 per foot.....	2,025.00
Stage 3:	48 holes, 3600 feet at $.90 per foot.....	3,240.00
	Total estimated cost.....	$ 8,032.50
	Government participation at 90%.....	$ 7,229.25

The above costs include radiometric logging, sampling, assaying, supervision, and any and all other costs incurred in the completion of the work.

Minerals Administration
RECEIVED
1954

ANNEX I

The following provisions are in lieu of all of paragraph (a) of Article 6 which precedes the colon:

If the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after a sufficient, complete, final report and final account referred to in the contract has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development. The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2, as follows: (1) Regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production (including any bonuses), in whatever form disposed of, including ore, concentrates, or metal, as follows:

45106

MF-203
(Revised July 1, 1953)

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 New Mexico, County of McKinley, described as follows:1/ Three lode mining claims recorded in the County Recorder's Office as follows:

Claim	Book	Page
Plat Top-Vilotio Lode #1	10	287
Plat Top-Vilotio Lode #2	10	288
Plat Top-Vilotio Lode #3	10	289

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and a partnership consisting of Richard Vogel, Scott City, Kansas
2/ Fred V. Kelly, Eureka, Kansas
Avis H. Young, Scott City, Kansas
Dr. R. H. Spaney, Scott City, Kansas
Robert B. McCoy, Wichita, Kansas

hereinafter called the "Operator"; and

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

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

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

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof, there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom, until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

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

4. Changes and added provisions The undersigned are neither owners, nor co-owners, nor lessors, but are sellers retaining a royalty interest in these said claims.

Dated this 17 day of April, 1954.

Hazel J. Manel [Seal]
Ulatie W Hyde [Seal]
J S Manel [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.
2/ Insert the name of the Operator as it will appear in the exploration project contract.
3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

Repayment by Operator.--a. Certification.--If at any time the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the final report and final account, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

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

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

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

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

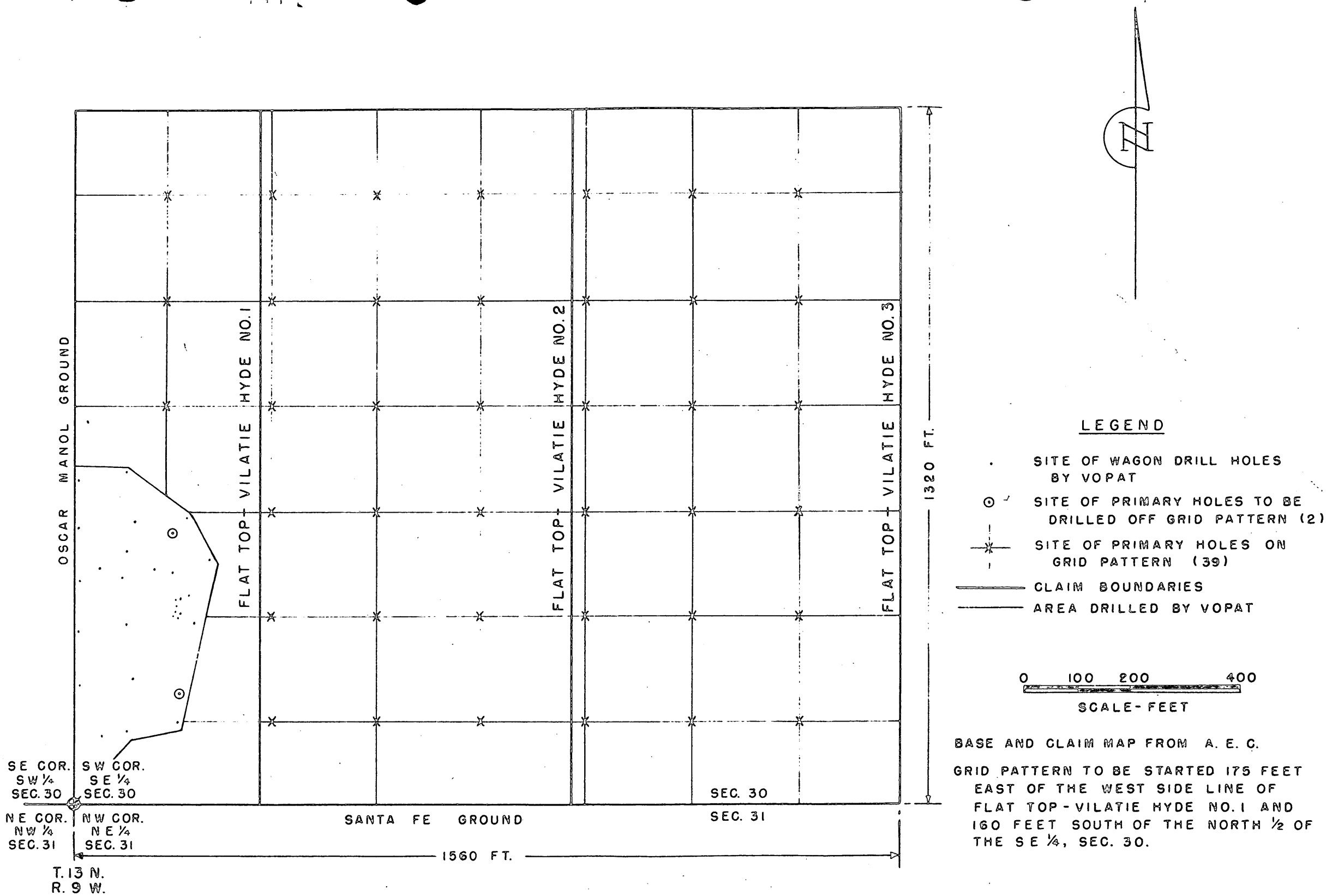
c. Definitions.--As here used, "net smelter returns", "net concentrator returns", and "other net amounts realized from the sale or other disposition", mean gross revenue from sales; or if not sold, the market value of the material after it is mined in the form in which and the place where it is held.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

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

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

f. No Obligation to Produce.--This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Interior--Duplicating Section, Washington, D. C. 47318



DMEA 3190 (URANIUM)

FIGURE 2. - PROPOSED DRILLING ON FLAT TOP - VILATIE HYDE CLAIMS
McKINLEY COUNTY, NEW MEXICO

POWER OF ATTORNEY

We, the undersigned, members of a partnership consisting of Richard Vopat, Avis M. Young, R. H. Spencer, Fred W. Heine, and Robert B. McNeely, do hereby appoint Richard Vopat, to act as the agent of said partnership in all matters connected with the United States Department of the Interior, Defense Minerals Exploration Administration, DMEA Docket 3190, Contract Idm-E672, and in behalf of said partnership to submit to the Government all necessary reports and information required under said contract, and said agent is authorized to receive individually, and receipt for, any monies that are now or may hereafter become due to said partnership by reason of said contract Idm-E672.

DATED this 18th day of May, 1954.

Avis M. Young
Avis M. Young

R. H. Spencer
R. H. Spencer

Fred W. Heine
Fred W. Heine

Robert B. McNeely
Robert B. McNeely

STATE OF KANSAS, COUNTY OF SCOTT, ss:

BE IT REMEMBERED, that on this 26th day of May, 1954, before me, the undersigned, a notary public in and for the county and state aforesaid, came AVIS M. YOUNG who is personally known to me to be the same person who executed the foregoing instrument of writing, and such person duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal, the day and year last above written.

G O Corker
Notary Public

(SEAL)

My com. exp.,

STATE OF KANSAS, COUNTY OF SCOTT, ss:

BE IT REMEMBERED, That on this 26th day of May, 1954, before me, the undersigned, a notary public in and for the County and State aforesaid, came R. H, SPENCER, who is personally known to me to be the same person who executed the foregoing instrument of writing, and such person duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal, the day and year last above written.

E O Coker
Notary Public

(SEAL)

My commission expires, 1-31-55

STATE OF KANSAS, COUNTY OF RUSSELL, ss:

BE IT REMEMBERED, That on this 21st day of May, 1954, before me, the undersigned, a notary public in and for the county and state aforesaid, came FRED W. HEINE, who is personally known to me to be the same person who executed the foregoing instrument of writing, and such person duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal, the day and year last above written.

Charley A. Heinze
Notary Public

(SEAL)

My commission expires, 3/13/57

STATE OF KANSAS, COUNTY OF SEDGWICK, ss:

BE IT REMEMBERED, That on this 25 day of May, 1954, before me, the undersigned, a notary public in and for the county and state aforesaid, came ROBERT B. McNEELY, who is personally known to me to be the same person who executed the foregoing instrument of writing, and such person duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal, the day and year last above written.

Nadine Bullerfield
Notary Public

(SEAL)

My commission expires,
Feb. 26, 1955

☐ Audited

☐ Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 3-21-56
Incl. Voucher for Feb. 1955

☐ Actual Cost

☒ Agreed Unit Costs

Name Richard Vopat, et al
Flat Top Mining Co.

State New Mexico

Commodity Uranium

Docket No. 3190

Idm-E No. 672

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting					
Raising					
Shafts					
Winzes					
Drilling (Specify) Rotary	8925	$ 11,007.50	8666	$ 10,371.60	$ 10,371.60
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify)					
Totals		$ 11,007.50		$ 10,371.60	$ 10,371.60

Prepared by Michael Ching

71626

Code 700's Copy

Project Summary Report

By: Michael Ching

Date: March 26, 1956

1. Docket No. DMEA-3190 (Uranium)
   Contract No. Idm-E672

   Operator - Richard Vepat, et al., a partnership
   d/b/a Flat Top Mining Company
   601 Court Street
   Scott City, Kansas

   Property - Flat Top - Vilatie Hyde claims Nos. 1, 2 and 3, located in S½ SE¼, sec. 30, T. 13 N., R. 9 W.

   Operator's Property Rights - Operator is the owner. Property subject to perpetual 5% royalty claim of Mrs. Vilatie Hyde and perpetual 10% royalty claim of Frank Manel and Hazel I. Manel. Consent to Liens, dated April 17, 1954, executed by last three parties.

2. Contract - dated May 10, 1944 (Short Form)

   Work Authorized (as amended)

   Test the Todilto limestone by rotary drilling as follows:

Stage I	- 41 holes, 3,075 ft. @ $.90/ft.	$2,767.50
Stage II	- 30 holes, 2,250 ft. @ $.90/ft.	2,025.00
Stage III	- 48 holes, 3,600 ft. @ $.90/ft.	3,240.00
*5,950 ft. casing @ $.50/ft.		2,975.00

   Estimated Total Cost of Project $11,007.50
   Government Participation @ 90% 9,906.75

   *Wet drilling with "Aquagel" may be substituted for casing at the rate of $0.30/ft.

   Amendments:

   No. 1 - dated July 9, 1954. Permits the use of casing at rate of $0.50/ft. or Aquagel at $0.30/ft. in addition to cost of drilling. Substitutes Annex II for Article 6 of contract.

   No. 2 - dated September 3, 1954. Extends final starting date to September 20, 1954 and completion date to December 10, 1954.

   No. 3 - dated December 29, 1954. Extends completion date to February 1, 1955 and increases repayment period from 10 years to 11 years.

   No. 4 - dated February 3, 1955. Cancels Amendment No. 3. Extends completion date to April 1, 1955 and increases repayment period from 10 years to 11 years.

Work Completed:

Stage I - 33 holes:

2,816 ft. rotary drilling @ $.90/ft.	$2,534.40	
2,074 ft. drilling with Bentonite @ $.30/ft.	$ 622.20	
		$3,156.60

Stage II - 30 holes:

2,250 ft. rotary drilling @ $.90/ft.	$2,025.00	
1,500 ft. casing @ $.50/ft.	$ 750.00	
		$2,775.00

Stage III - 48 holes:

3,600 ft. rotary drilling @ $.90/ft.	$3,240.00	
2,400 ft. casing @ $.50/ft.	$1,200.00	
		$4,440.00

Total Cost $10,371.60
Government Participation @ 90% ..... $ 9,334.44

The work was started August 31, 1954 and completed in late February, 1955. A total of 111 holes were drilled.

3. Auditor's Report of Review - dated February 20, 1956:

Total cost as billed by Contractor	$10,684.20	
Exceptions	312.60	
Total Accepted Cost		$10,371.60
Government Participation @ 90%		$ 9,334.44

4. Certification of Discovery - None.

5. Comments and Results:

All work was done satisfactorily by a sub-contractor, the Four Corners Exploration Company. The property is overlain by about 50 feet of unconsolidated material. In the first stage even the use of bentonitic mud as a circulating medium failed to prevent caving of the holes, and casing was necessary in the last two stages.

11 holes in Stage I showed 0.02% eU_3O_8 or over, 8 holes in Stage II showed 0.02% to 0.09% eU_3O_8, and 4 holes in Stage III showed 0.02% eU_3O_8 or over, but no ore-grade material was found. 20 chemical analyses were made of which only 2 showed as much as 0.02% U_3O_8. The results were very disappointing in view of the large deposit found along the northeast boundary of the claims, on the adjoining property (Docket No. 3151).

The Todilto limestone is the ore-bearing formation explored. It ranges from 8 feet to 28 feet in thickness on the property and dips about 9 degrees northeast. In the southwest corner of the claims as much as 8 feet of the Todilto has been removed by erosion. In the northeast part of the claims the full thickness of the Todilto is present, being overlain by the Summerville formation.

The subject property must be considered a potential ore-bearing area but any ore bodies present would be small since the property was fairly well covered with a grid pattern of holes. The best possibility appears to be along the eastern border where the drilling was stopped nearly 200 feet from the boundary.

The results of the project do not warrant further work by the Government or a Certification of Discovery.

Michael Ching, Mining Engineer
Rare and Miscellaneous Metals Division

MChing/izm 3-26-56
cc to: Docket (original)
Code 700
Mr. Ching
Mr. Johnson
Mr. Mittendorf

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

MAR 2 0 1956

Flat Top Mining Company
c/o Mr. Richard Vopat
601 Court Street
Scott City, Kansas

Re: Docket No. DMEA-3190 (Uranium)
Contract No. Idm-E672
Flat Top-Vilatia Hyde Claims
Nos. 1, 2, and 3
McKinley County, New Mexico

Gentlemen:

Reference is made to your exploration contract with the Government.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this project. Your attention, however, is called to the provisions of the contract which require the operator to keep and preserve certain records for the period indicated.

Your interest in the DMEA exploration program and participation therein are fully appreciated.

Sincerely yours,

[illegible]

Administrator

Copies to:
Avis M. Young, 911 Church Street, Scott City, Kansas
R. M. Spencer, 606 Russell Street, Scott City, Kansas
Fred M. Heins, Lucas, Kansas
Robert B. McNeely, 337 South Terrace Drive, Wichita, Kansas
Frank and Hazel I. Manel, Aztec, San Juan County, New Mexico
Mrs. Vilatia W. Hyde, Rinewater, Valencia County, New Mexico
Holly Uranium Corporation, 310 Third Street, N. W. Albuquerque, N. M.

Contract Adm. & Audit Division
DMEA Field Team, Region III (2)
Code 700
Mr. F. E. Johnson
Mr. Ching

MChing/gla 3-26-56
cc to: Adm.'s Reading File
Docket
Messrs. JHCrawford, Rm. 3611
THHilsgard, Rm. 5024
JWestad, Rm. 3210, GSA

700

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

MAR 28 1956

Mr. Paul E. Malamson
Molly Uranium Corporation
320 Third Street, N. W.
Albuquerque, New Mexico

Re: Docket No. DMEA-1190 (Uranium)
Contract No. Idm-2672
Flat Top Mining Company
Flat Top-Whistle Spur Claims
Nos. 1, 2, and 3
McKinley County, New Mexico

Dear Mr. Malamson:

Reference is made to your letter of February 20, 1956, to Mr. W. M. Travar, our Region III Executive Officer, requesting information on the status of the subject project.

In accordance with a request made in a letter, dated March 5, 1956, to Mr. Travar from the Flat Top Mining Company, we are enclosing a copy of our closing letter of even date to the latter. You will note that the Government is closing its books and records on this project and retains no claim or lien against the property subject to the contract or any future production therefrom.

We trust that this information satisfies your requirements.

Sincerely yours,

M. G. Ming

Administrator

Enclosure

Copy to Flat Top Mining Company
c/o Richard Vopat, Agent

MChing/gla
3-26-56
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

3/22/56

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

RECEIVED
MAR 22 1956

March 21, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Final Joint Engineering Report, DMEA Docket 3190, Flat Top Mining Company, McKinley County, New Mexico

I have reviewed the final joint engineering report, DMEA Docket 3190, Flat Top Mining Company, dated March 8 and received in this office March 19. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The operator completed 111 authorized holes totaling 8,666 feet of drilling at a total cost of $10,371.60, in which the Government participated to the extent of 90 percent, at an amount of $9,334.44.

The final report indicates that in the opinion of the Field Team the subject property must be considered to be a potential ore-bearing area, due to its proximity to large ore bodies. Exploration work on the property did not result in a discovery or development of uranium ore; therefore, the Field Team recommends that no certification of discovery be issued.

We concur in the recommendation.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E. Crawford

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

RECEIVED
MAR 22 1956

March 21, 1956

Memorandum

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The final report indicates that in the opinion of the Field Team the subject property must be considered to be a potential ore-bearing area, due to its proximity to large ore bodies. Exploration work on the property did not result in a discovery or development of uranium ore; therefore, the Field Team recommends that no certification of discovery be issued.

We concur in the recommendation.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E. Crawford

3/15/56 gla

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

RECEIVED
MAR 14 1956

224 New Customhouse
Denver 2, Colorado

March 12, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Flat Top Mining Company, McKinley County, New Mexico.

In conjunction with the Field Team final report forwarded to the Secretary to the Operating Committee March 8, 1956, we are enclosing the following material:

1. Two copies of a memorandum to T. A. Christensen, dated March 7, 1956, recommending and establishing the basis for final settlement of the account.

2. Original and one copy of a letter, dated February 20, 1956, from Paul E. Melancon, of the Holly Uranium Corporation, wherein he requests to be advised as to the status of the DMEA loan under the subject contract.

3. Two copies of a letter from this office, dated March 7, 1956, to Paul E. Melancon, advising him that the matter was forwarded to the Washington Office, DMEA, for advice to him in reply to his letter of February 20.

4. Two copies of a letter, dated March 5, 1956, from Richard Vogat, Flat Top Mining Company, requesting that Flat Top Mining Company be released from the royalty payment provisions of the contract inasmuch as the work did not result in a discovery and requesting that Holly Uranium Corporation be provided with a copy of the release.

The entire matter is forwarded for your consideration and appropriate action after you have reviewed the Field Team final report and the joint engineering and geological report forwarded to you therewith.

W. M. Traver

W. M. Traver

Enclosures

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

RECEIVED
MAR 14 1956

Bldg. New Customhouse
Denver 2, Colorado

March 7, 1956

Memorandum

To: F. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Contract DMEA 5190 (Uranium), Contract 14n-8872, Flat Top Mining Company, McKinley County, New Mexico

Enclosed is the Operator's check in the amount of $75.41 as a refund of overpayment of Government participation under the subject contract.

In lieu of making payment to the Operator in the amount of $100.00, which we instructed you to withhold by our memorandum of June 15, 1955, the amount of Government participation to date will be credited with the Operator's refund of overpayment in the amount of $75.41, as per the following basis of final settlement which is in conformance with the Report of Review of expenditures under the contract by the Contract Administration and Audit Division, dated February 20, 1956:

Basis for Final Settlement

Total accepted costs	$10,571.60
Government participation at 90%.....	9,334.44
Total payments to date.....	9,409.85
Overpayment.....	75.41
Refund of overpayment by Operator....	75.41.

W. M. Trevor

Enclosure
JWT:prl
cc: Subject 104 File Reg. III
Secretary, Oper. Comm. (2)
Shaw
Townsend
Corres. file
Chron.

Total Government Participation as shown by General Ledger, after posting C/D No. 14-23-040-100 $75.41, $9334.44
3/8/56 Naomi E. Stokes

HOLLY URANIUM CORPORATION

340 THIRD ST., NW
ALBUQUERQUE, N. M.
PHONE 2-1828

122 EAST 42nd STREET
NEW YORK 17, N. Y.
MURRAY HILL 7-5354

February 20, 1956

DMEA
Date Rec'd.
FEB 24 1956
BUREAU OF MIN.
Denver, Colorado

Mr. W. M. Traver, Executive Officer
DMEA Field Team, Region III
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA 3190
(Uranium)Contract Idm-E672

Dear Mr. Traver:

The Holly Uranium Corporation is interested in acquiring mining rights to the Flat Top-Vilatie Hyde No. 3 claims from the Flattop Mining Company, a partnership made up of Messers. Richard Vopat, Avis M. Young, R. H. Spencer, Fred M. Heine, and Robert B. McNeely. Before negotiations can be completed it is necessary to know the status of the above DMEA loan.

Holly has been advised by the partners that no discovery of commercial significance was made by the drilling done with the DMEA's assistance.

Any information which you can supply concerning the status of this loan will be greatly appreciated. Thanking you for your consideration in this matter, I am

Yours truly,

Holly Uranium Corp.

Paul E. Melancon

Paul E. Melancon

pem/ms
cc: R. H. Vopat

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

224 New Customhouse
Denver 2, Colorado

March 7, 1956

Mr. Paul E. Melancon
Holly Uranium Corporation
340 Third Street, N. W.
Albuquerque, N. M.

Re: Docket DMEA 3190 (Uranium)
Contract Idm-E672

Dear Mr. Melancon:

In reference to your letter of February 20, 1956, regarding the status of the DMEA loan under Contract Idm-E672, your letter has been forwarded to the Washington Office, DMEA, for reply to you as to the status of the matter, on which you will undoubtedly hear in the near future.

Very truly yours,

W. M. TRAVER

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

JWT:prl
cc:Chairman, Oper. Comm. (2)
Townsend
Corres. file
Chron.

Scott City, Kansas
March 5, 1956

DMEA
Date Rec'd.
MAR 7 1956
BUREAU OF MINES
Denver, Colorado

Mr. W. M. Traver, Executive Officer
DMEA Field Team, Region III
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA 3190 (Uranium)
Contract Idm-E672

Dear Mr. Traver:

In answer to your letter of February 21, 1956, I am enclosing herewith our check in the amount of $75.41. This check represents total overpayment on our DMEA Contract.

In view of the highly negative results obtained in our drilling program with DMEA assistance we respectfully request a release from our contract.

Will you please mail a copy of this release to Holly Uranium Corporation, 340 Third Street N.W., Albuquerque, New Mexico.

Thanking you, I am

Very truly yours,

FLAT TOP MINING CO.,
By Richard Vopat
Richard Vopat
601 Court St.
Scott City, Kansas

3/20/56

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

RECEIVED
MAR 14 1956

224 New Customhouse
Denver 2, Colorado

March 8, 1956

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Flat Top Mining Company, McKinley County, New Mexico

Enclosed are the original and three copies of the final joint engineering and geologic report by members of the Bureau of Mines and Geological Survey pertaining to work completed under the subject contract.

The Operator's final report attached to form MF-104, Operator's Monthly Report and Voucher, for the month of February, 1955, has been accepted as his final report, as you were advised by our memorandum of February 10, 1956.

Final settlement of the account was effected by this office March 7, 1956, upon receipt from the Operator of his check in the amount of $75.41 as a refund of overpayment to him, which is in conformance with the Report of Review of expenditures under the contract by the Contract Administration and Audit Division, dated February 20, 1956.

The exploration work consisted of 8,666 feet of rotary drilling incident to which was 3,900 feet of casing and 2,074 feet of mud drilling, all at a total accepted cost of $10,371.60, in which the Government participated to the extent of 90%, or an amount of $9,334.44.

The exploration work did not result in a discovery or development of uranium ore. Therefore no certification of such is or will be recommended.

Reviewed by
DMEA OPERATING COMMITTEE
3-19-56
(date)

W. M. Traver

E. N. Harshman

Enclosures

Final Field Team report

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
February 1, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
John F. Shaw

Subject: Final engineering and geologic report, Docket DMEA 3190, Contract Idm R-672, Flat Top Mining Co., McKinley County, New Mexico

Enclosed are the original and 9 copies of a final Joint Engineering and Geologic Report by Glen Walker, Engineer and D. D. Haynes, Geologist covering the work performed under Contract Idm R-672.

The applicant drilled an approved total of 111 dry rotary holes through the limestone ore horizon. Cuttings were collected at 2 foot intervals and tested radiometrically. The holes were probed and 20 samples of cuttings were analyzed chemically. Ore-grade material was not found and the best chemical results indicated only 0.02 percent U_3O_8 in two widely separated holes. The drilling totaled 8,762 feet at a cost of $10,566.50 or $1.205 per foot. These cost figures are subject to audit by the Government.

Further exploration of this property with Government assistance is not warranted.

It is not recommended that a certification of discovery be made.

E. N. Harshman
Member Field Team

Reviewed by
DMEA OPERATING COMMITTEE
3-19-56
(date)

John F. Shaw
Supervising Mining Engineer

JFS/ch
cc 9
ENHarshman
DMEA 3190
Chron.

MINERAL DEPOSITS
DMEA
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JAN 6 1956

U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. BOX 360
GRAND JUNCTION, COLORADO

December 30, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: J. William Hasler

Through: E. N. Harshman
J. F. Shaw

Subject: DMEA 3190 (Uranium), contract Idm-E 672, Flat Top Mining Company, Flat Top-Vilatie Hyde claims 1, 2, and 3, McKinley County, N. Mex.

Enclosed are the original and eleven copies of a joint final engineering and geologic report by Glen Walker and D. D. Haynes, covering all exploration completed under the subject contract.

Although no ore-grade material was disclosed by drilling under the project, the subject property must be considered to be a potential ore-bearing area due to its proximity to large ore bodies in the area. Further exploration in the northeast part of Flat Top claim No. 3 and in the center Flat Top claim No. 2 is recommended by Haynes and Walker, but without Government assistance.

No certification of discovery is recommended by Haynes and Walker. I concur with their recommendations.

J. William Hasler
J. William Hasler,
Geologist

DDH/mlr
Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
3-19-56
(date)

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MAR 14 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

FINAL ENGINEERING AND GEOLOGIC REPORT

DMEA 3040, Exploration Project Contract 16n-472

Richard Yount, Contractor

Flat Top Mining Company

McKinley County, New Mexico

Premium

Glen Walker
Mining Engineer
Bureau of Mines

D. D. Haynes
Geologist
U. S. Geological Survey

January 26, 1956

Reviewed by
DMEA OPERATING COMMITTEE
3-19-56
(date)

DMEA 1190
Contract Ldm-26072

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MAR 14

FLAT TOP MINING COMPANY
McKINLEY COUNTY, NEW MEXICO

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Final engineering and geologic report

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ILLUSTRATIONS

Figure — Follows Page

1. Index Map of New Mexico showing Flat Top 1, 2 and 3 claims, McKinley County, New Mexico 1
2. Map showing structure contours on Todilto Limestone Entrada sandstone contact and locations of holes drilled under DMEA Contract Ldm-26072, Flat Top 1, 2 and 3 claims, Richard Vogel et al., McKinley County, New Mexico 1

TABLES

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I. Stages I, II, III - Holes, Footage, Mineral Holes, Total Cost, Cost Per Ft. 10

DMEA 3190
Contract IAm-2672

FLAT TOP MINING COMPANY
McKINLEY COUNTY, NEW MEXICO

FINAL ENGINEERING AND GEOLOGIC REPORT

by

Glen Walker and D. B. Haynes

INTRODUCTION AND SUMMARY

In February 1953, Mr. Richard Vogel (a partnership) made application for Government assistance to explore for uranium on the Flat Top-Vilatia Hyde claims 1, 2 and 3, McKinley County, New Mexico (fig. 1).

The property was examined by R. F. Robinson, U. S. Geological Survey, M. J. Mining and J. H. Haynes of the U. S. Bureau of Mines on May 4-6, 1953, in company with Mr. Vogel and F. R. Malmsten, U. S. A.E.C., on June 2, 1953.

DMEA contract, IAm-2672 was signed May 10, 1954, work was commenced August 31, 1954, and was completed in late February 1955.

The object of the drilling was to explore for uranium ores in the Jurassic Todilto limestone which, on the subject property, is covered by about 50 feet of mostly unconsolidated overburden.

The exploratory work included drilling an approved total of 111 dry rotary holes through the limestone ore horizon. The cuttings, taken at 2 feet intervals, were tested radiometrically; the holes were probed, and 20 samples of cuttings were analyzed chemically. Ore-grade material was not found and the best chemical results showed only 0.02 percent U_3O_8 in two widely separated holes. Therefore, no certification of discovery can be recommended. In view of the discovery made by Four Corners Exploration Company on Flat Top claim No. 4 (DMEA 3151, contract IAm-2671), it seems logical to expect a portion of that large ore body to extend on to the northeast part of Flat Top claim No. 3. A few additional holes along the east side, south of J6 line, (fig. 2) would likely substantiate this assumption.

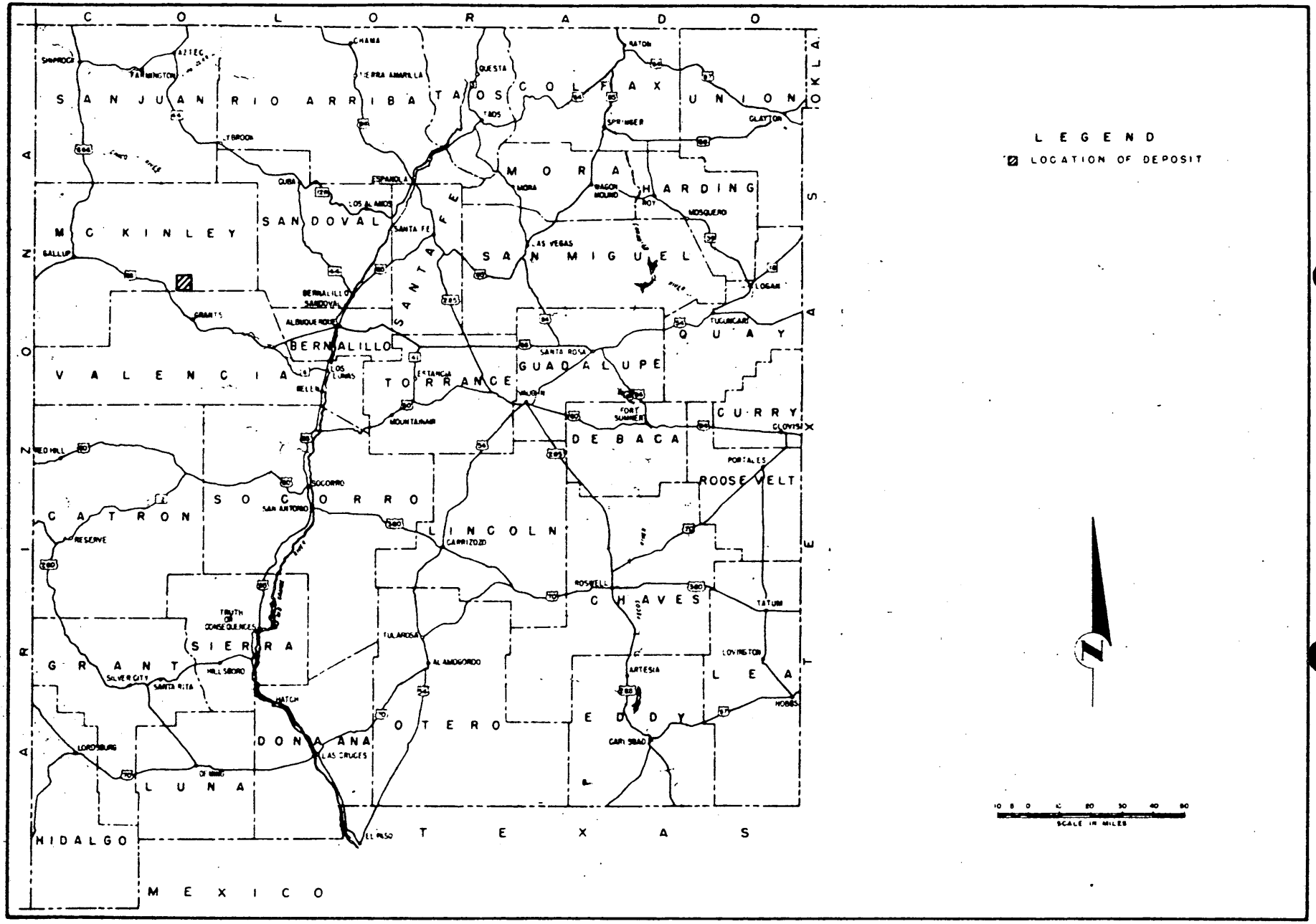
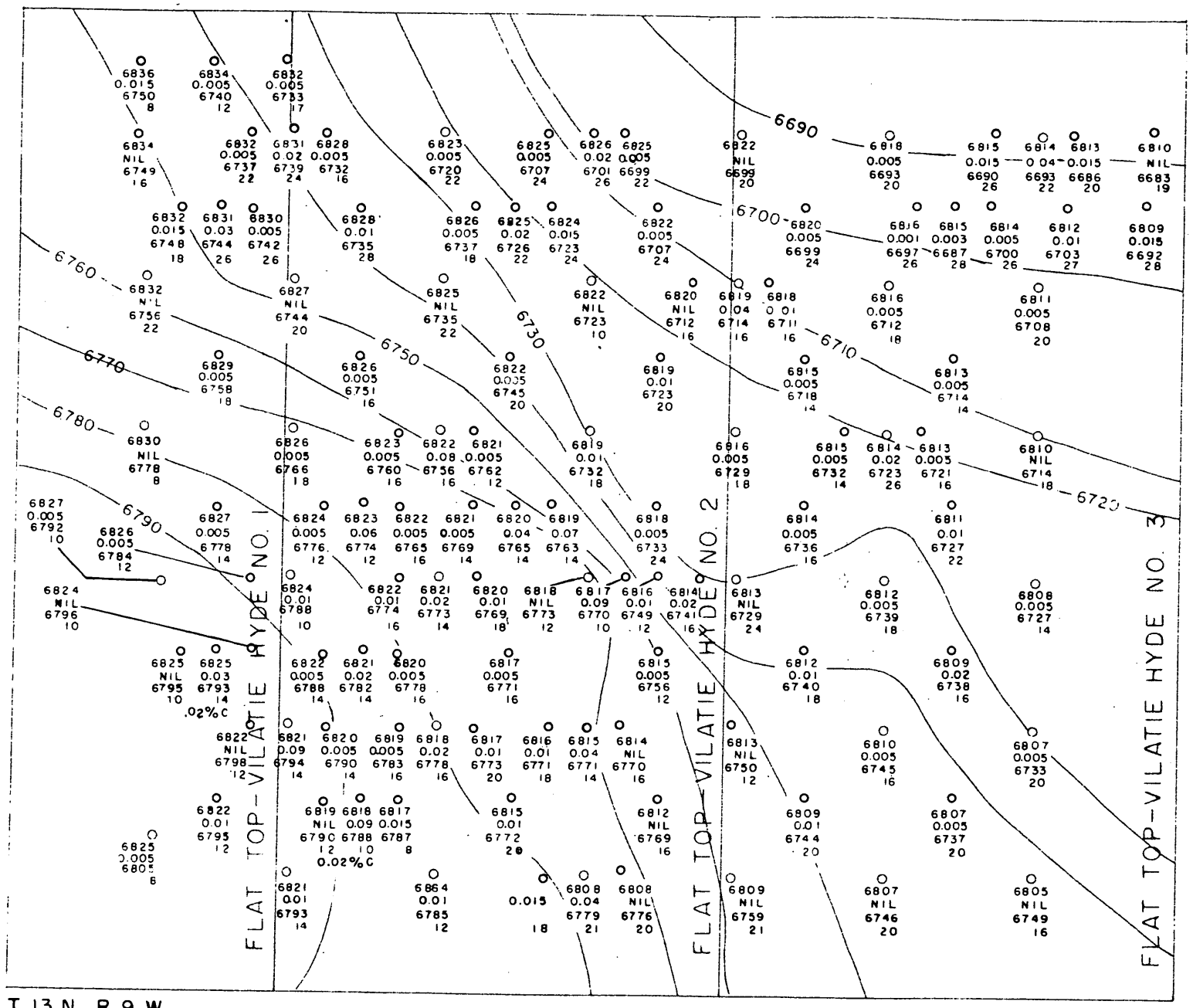


FIGURE 1 - INDEX MAP OF NEW MEXICO SHOWING FLAT TOP 1, 2 AND 3 CLAIMS, MCKINLEY COUNTY, NEW MEXICO.
DMEA 3190, CONTRACT Idm-E672



EXPLANATION

6720 — STRUCTURE CONTOUR DRAWN ON TODILTO LIMESTONE-ENTRADA SANDSTONE CONTACT

o	DRILL HOLE
6820	COLLAR ELEVATION
0.01	PERCENT eU_3O_8
6723	ELEVATION TODILTO-ENTRADA CONTACT
22	THICKNESS OF TODILTO LIMESTONE
0.02 % C	CHEMICAL ANALYSIS

N

200 0 400 FEET

STRUCTURE CONTOUR INTERVAL 10 FEET

FIGURE 2. MAP SHOWING STRUCTURE CONTOURS ON TODILTO LIMESTONE-ENTRADA SANDSTONE CONTACT AND LOCATIONS OF HOLES DRILLED UNDER DMEA CONTRACT IDM E-672, FLAT TOP 1, 2, AND 3 CLAIMS, RICHARD VOPAT ET. AL., McKINLEY COUNTY, NEW MEXICO.

RECEIVED
MAR 14 1956

Near the center of the property there is an apparent local steepening in the dip of the limestone ore horizon that perhaps warrants some closely spaced holes. It is felt that Government participation is not warranted in the additional work suggested because in the event of a discovery the resulting tonnage would probably be very small and possibly could not be mined at a profit.

LOCATION AND ACCESSIBILITY

The Flat Top claims No. 1, No. 2, and No. 3 comprise about 48 acres in the S 1/2 of the SE 1/4 sec. 30, T. 13 N., R. 9 W., New Mexico Principal Meridian, McKinley County, New Mexico. The property is readily accessible from Grants, the nearest rail point, by traveling west about 3-1/2 miles on U. S. Highway 66, thence north on State Highway 53 (San Mateo road) for about 11 miles, thence west about 1/4 mile on the Poison Canyon mine road to section 30. All roads are either paved or graveled and are considered all-weather except after summer cloud burst rains which sometimes do considerable damage.

The surface of the property is practically level and supports only a scant growth of short native grass but no sizeable timber. Water must be hauled from nearby stock reservoirs, and power is available only by use of internal combustion engines. The climate is typical of the southwest, being arid and with great extremes in both precipitation and temperature in winter and summer.

PROPERTY

The contract was concerned with the Flat Top-Vilatis Hyde unpatented claims No. 1, No. 2, and No. 3 in the S 1/2, SE 1/4 section 30, T. 13 N., R. 9 W., New Mexico Principal Meridian. Claim No. 1 is

only a fraction of the normal sized mining claim; none of the claims are 1,500 feet long. They form a rectangular piece of ground containing approximately 48 acres. The contractor was a partnership composed of Richard Vogat, Avis M. Young, R. H. Spencer, Fred M. Heine, and Robert B. McNeely, dba Flattop Mining Co. They received a quit claim deed to the property from F. O. Hamel and wife who retained a 10 percent royalty on all mineral production. Hamel had obtained title through a warranty deed from Arthur and Viletie Hyde, the original locators, who retained a 5 percent royalty on production.

HISTORY

The property has no background of mining history as no production has been made to date.

GEOLOGY

Regional geology

The Grants uranium mining district lies on the north flank of the Zuni Uplift which is believed to be of early Tertiary age. The Zuni Uplift is a broad, elongated, asymmetrical dome about 65 miles long and 40 miles wide, trending in a northwest direction. It appears that this uplift has been particularly instrumental in the structural deformation of the Grants area and produced conditions which led to the localization of uranium ore bodies.1/

1/ Rapaport, Irving, Hadfield, J. P., Olson, Richard H., Jurassic Rocks of the Zuni Uplift, New Mexico; U. S. Atomic Energy Commission, RMO-642, March, 1952.

Local geology

Stratigraphy

The stratigraphic column[2] for the area is given below:

Age	Group	Formation	Type	Thickness
Upper Jurassic	San Rafael	Bluff	ss	220-250
		Summerville	ss, st, sh, ls	0-190
		Todilto	ls	8-30
		Entrada	ss	130-260
		Carmel	st, ss	55-260

On the subject claims the Todilto limestone is the principal uranium-bearing horizon. Erosion has removed most of the Summerville formation, of Jurassic age, and the Todilto limestone is overlain with from 12 to 90 feet of unconsolidated overburden.

Drill hole data show the Todilto that the ranges from 8 to 28 feet in thickness on the subject claims and dips about 9 degrees northeast. In the southwest corner of the claims as much as 8 feet of the Todilto has been removed by erosion. On the northeast part of the claims the full thickness of the Todilto is present as the overlying Summerville formation was cut in many of the drill holes.

The Todilto formation may be subdivided into two sections on a lithologic basis. The upper part is a dark-gray, dense, thinly bedded limestone. The beds are well marked and show small folds or crinkles. The upper part appears to have been recrystallized in the vicinity of the uranium deposits. The lower part is a dark-gray, dense, thick-bedded, limestone containing lenses of calcareous silty sandstone.[3]

2/ Same as footnote 1/. (p. 3)

3/ Rapaport, Irving, Interim report on the ore deposits of the Grants District, New Mexico, U. S. Atomic Energy Commission, RMO-1031, November 1952.

The Entrada sandstone, of Jurassic age, underlies the Todilto formation. It is predominantly a pale reddish-brown to grayish-orange-pink fine- to very fine-grained, crossbedded, cross-laminated sandstone.

The Summerville formation of Jurassic age, which normally overlies the Todilto formation, has been completely removed by erosion from the southwest part of the claims but in the northeast part attains a thickness of about 40 feet. It is composed of reddish-brown siltstone and white, very fine- to fine-grained sandstone. The Summerville formation commonly interfingers with the Todilto limestone and the contact is difficult to determine.

Structure

There are no faults on the subject property but minor jointing, which may be seen in the exposed Entrada sandstone on the north half of section 31, may be present.

A structure contour map (fig. 2) on the Todilto-Entrada contact indicates an apparent local steepening of the dip or a small fold in the center of Flat Top No. 2 claim.

Ore deposits

The Todilto ore deposits in the immediate vicinity of the Flat Top Nos. 1, 2, and 3 claims range in size from a few hundred tons to 40 or 50,000 tons. The majority of the deposits are elongate mineralized masses which have a trend slightly west of north but a few have a random orientation.

The ore deposits occur as long sinuous deposits or as blanket type deposits. The long sinuous deposits may be as much as 4,000 feet

in length and from 25- to- 100-feet in width. The blanket type deposits may be 500 feet long and 300 feet wide. The larger type ore deposits are an exception and the majority are in the 5,000- to- 10,000-ton range.

The majority of the ore bodies occur in small anticlinal folds or flexures. Usually these folds are very small and occur in a very large syncline or basin. In places where the folds are very small the ore may also occur in synclines between the folds and some have misinterpreted the ore control to be the larger synclines or basins.

As stated previously the ore may occur in small anticlines and synclines but in the larger structures the ore occurs only in the anticlines.

At present there are no known guides to ore for deposits in the Todilto limestone. Usually the structure containing the ore deposit is no larger than the deposit itself and therefore the presence of a nearby ore deposit is not indicated in drill holes even in the immediate vicinity of a deposit.

Because of the nature of occurrence of the Todilto ore deposits it is necessary to explore the Todilto on a very close spaced grid. Therefore, exploration to date has been confined to areas where drilling depths have been comparatively shallow.

Ore reserves

Although no ore grade material (0.10 percent U_3O_8 or greater 1 foot or more thick) was disclosed by drilling under Contract Idm-2672 the subject property must be considered a potential ore bearing area.

Keeping in mind the very large discovery made by Four Corners Exploration Co. on Flat Top claim No. 4 (DMEA 3151, Contract Idm-2671) it seems logical to assume a portion of that ore body or smaller adjacent ore bodies would extend onto the NE part of Flat Top Claim No. 3. Also, about 200 feet east of the center of Flat Top Claim No. 2 a small structural fold or local steepening of the dip occurs and a few additional holes in this area may disclose a small ore body.

THE PROJECT

A reference to the geologic report of examination indicates that a favorable opinion of the property was based upon observations of deposits uncovered to the south and west. It was assumed that structural conditions similar to those observed would prevail on the subject ground.

The program originally proposed by the applicant is a bit hazy from available information; it appears the figure in the original application was $19,000 but the application was amended to include 332 holes costing $37,139.93. The DMEA examining team recommended drilling 196 dry Stage I holes totaling 13,790 feet on a 100 feet grid and 132 Stage II or "fill in" holes 10- to- 25-feet from Stage I mineralized holes. It was estimated this project would cost $19,141. The DMEA field team recommended a project including 42 Stage I holes on a 200 feet grid; 30 or less Stage II holes at locations acceptable to DMEA; 48 Stage III offset holes at intervals of 40 feet. No hole was to be closer than 200 feet from the outer boundaries. The estimated cost of this proposal was $7,560. The contract finally written stipulates that 119 dry rotary holes totaling 8,925 feet were to be drilled at an estimated cost of $8,032.52. The program outlined

in the contract set up the project in three stages; Stage I consisted of 41 holes on a 200-foot grid pattern; Stage II consisted of 30 holes drilled no closer than 50 feet to previous holes; and Stage III consisted of 48 holes drilled as in Stage II.

Amendment No. 1 to the contract authorized the use of 5,950 feet of casing at $0.50 per foot, thereby increasing the total cost of the project from $8,032.52 to $11,007.50. The reason for this modification to the contract was to provide an expenditure for the prevention of caving in the unconsolidated overburden. Amendments No. 2, 3, and 4 made changes in the life of the contract.

Work under the DMEA contract started August 31, 1954, and was finished in the latter part of February 1955. During this time 111 holes totaling 5,762 feet were approved and drilled through the Jurassic Todilto limestone. The Operator drilled 8 holes, at locations proposed for Stage I holes, prior to signing the DMEA contract; therefore, only 33 Stage I holes, totaling 2,816 feet, were drilled under the contract. Considerable difficulty was experienced, during this early stage, with caving of the holes when bentonitic mud was used as a circulating medium. It was necessary to adapt the use of casing in drilling the balance of the holes. During Stage I eleven holes encountered material that radiometrically showed 0.02 percent eU_3O_8 or over; however, no ore-grade material was found.

Stage II, consisting of 30 holes, totaling 2,250 feet, was completed during October 1954. Eight of the holes were mineralized and showed eU_3O_8 content from 0.02 percent to 0.09 percent.

Under Stage III 48 holes were drilled totaling 3,696 feet. Four of the holes cut mineralized material containing over 0.02 percent eU_3O_8 but no ore was discovered. This fact appears rather remarkable in view of the large Todilto deposit found on the adjoining property along the northeast border of the subject land. Ore holes on the east side of the property line were offset 65 feet to the west by two holes that were barren, indicating an apparent sharp lateral cutoff of Todilto deposits.

All of the holes drilled under this contract were radiometrically probed by the USGS whose results closely correspond with the operator's. There were also 20 samples from 19 holes submitted for chemical analysis, none of which showed ore grade material, in fact only 2 samples assayed as much as 0.02 percent U_3O_8.

EXPLOITATION POSSIBILITIES

Recoverable reserves of ore were not found hence there are no exploitation possibilities.

SUMMARY OF FACTUAL DATA

Work under the contract consisted of drilling 111 dry rotary holes totaling 8,762 feet at an approved cost of $10,566.50 or $1.205 per foot. The cost figures are subject to audit by the government. The government's share of the total cost is 90 percent or $9,509.85.

The principal factor affecting the cost per foot was the excessive caving of the blow-sand overburden. Bentonitic slurry was used on the adjoining property with some success but on these claims, in most places, immediately above the limestone a coarse loose sand was encountered that could not be supported by bentonite. It was, therefore, necessary to use casing while sampling the limestone ore horizon. This

procedure hindered the progress of the work to the extent of the time consumed in setting and recovering the casing. Normally, weather permitting, the drill was operated 10 hours per day but it is felt 2 eight-hour shifts would have proved more efficient. Some drilling time was lost in December and January due to inclement weather.

The equipment used on the project was furnished by a sub-contractor.

CONCLUSIONS

All the work under the government contract was performed by a sub-contractor who did everything; even to writing the monthly narrative reports. Therefore, an opinion as to the abilities of the operator was difficult to obtain. The project in general was handled in a satisfactory manner.

Although no ore-grade material was disclosed by drilling under Contract Idm-2672, the subject property must be considered to be a potential ore bearing area. Further exploration in the NE part of Flat Top Claim No. 3 and in the center of Flat Top Claim No. 2 is desirable, but without Government assistance.

Annex

Table I

Stage	Holes	Footage	Mineral Holes	Total Cost	Cost per ft.
I	33	2816	11	$ 3,156.60	$ 1.12
II	30	2250	8	2,775.00	1.23
III	48	3696	4	4,634.90	1.25
Totals	111	8762	23	$10,566.50	$ 1.205

2-28-56 [illegible]

[illegible] MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

RECEIVED
FEB 23 1955

I have reviewed the Monthly Reports of:

A Partnership consisting of Richard Vogel, 601 Court Street, Avis M. Young, 911 Church Street, R. M. Spencer, 606 Russell Street, (all in Scott City, Kansas) and Fred M. Hinge, Lenora, Kansas, and Robert B. McNally, 337 South Terrace Drive, Wichita, Kansas - d/b/a Flat Top Mining Company,

pertaining to Exploration Project Contract No. IdM-2672, Docket No. DMEA-3190, including Amendments, Nos. 1 to 4, for the months of September to October, 1954, December, 1954, and February, 1955, covering a project for the exploration of Uranium on property known as Flat Top-Vilatis Hyde Claims 1, 2 and 3, located in McKinley County, New Mexico.

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

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

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

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

Total cost as billed by Contractor		$20,684.20
Exceptions: (schedule attached)		
By DMEA Finance Officer	$117.70	
Herewith	194.90	312.60
Total Accepted Cost		$20,371.60

The contract calls for a 90 percent participation of exploration co[illegible] by the United States Government. Therefore, payment to the Contractor by [illegible]ment in the amount of Nine thousand, three hundred thirty-four and [illegible] Dollars

[illegible] $9,334.44 [illegible]

[illegible] valid and proper, provided that the Regional Executive Officer, [illegible]tor, or other competent official has accepted or will accept the [illegible]ing otherwise not the terms of the contract.

T. H. Bending, Auditor

Audit Report
of Review

SCHEDULE OF EXCEPTIONS

FLAT TOP MINING COMPANY

DOCKET NO. DMSA-3190, CONTRACT IDM-8672

RECEIVED
FEB 23 1956

STAGE I:

Claimed by Operator:	
2,833 feet of Rotary Drilling @ 90¢ per foot	$2,549.70
Reported by Driller - Approved by Examining Engineer:	
2,816 feet of Rotary Drilling @ 90¢ per foot	2,534.40
17 " " " " " " " " (Disallowed)	$ 15.30
Claimed by Operator:	
2,090 feet of Drilling with Bentonite Mud @ 30¢ per foot	$ 627.00
Reported by Driller - Approved by Engineer:	
2,074 feet of Drilling with Bentonite Mud @ 30¢ per foot	622.20
16 feet " " " " " " " " " (Disallowed)	$ 4.80
TOTAL DISALLOWANCE, STAGE I	$ 20.10

STAGE II:

Claimed by Operator:	
2,304 feet of Rotary Drilling @ 90¢ per foot	$2,073.60
Allowed by Contract:	
2,250 feet of Rotary Drilling @ 90¢ per foot	2,025.00
54 feet of Rotary Drilling @ 90¢ per foot (Disallowed)	$ 48.60
Claimed by Operator:	
1,598 feet of Casing @ 50¢ per foot	$ 799.00
Allowed by Contract:	
1,500 feet of Casing @ 50¢ per foot	750.00
98 feet of Casing @ 50¢ per foot (Disallowed)	$ 49.00
TOTAL DISALLOWANCE, STAGE II	$ 97.60

STAGE III:

Claimed by Operator:	
3,696 feet of Rotary Drilling @ 90¢ per foot	$3,326.40
Allowed by Contract:	
3,600 feet of Rotary Drilling @ 90¢ per foot	3,240.00
96 feet of Rotary Drilling @ 90¢ per foot (Disallowed)	$ 86.40
Claimed by Operator:	
2,617 feet of Casing @ 50¢ per foot	$1,308.50
Allowed by Contract:	
2,400 feet of Casing @ 50¢ per foot	1,200.00
217 feet of Casing @ 50¢ per foot (Disallowed)	$ 108.50
TOTAL DISALLOWANCE, STAGE III	$ 194.90

SUMMARY OF DISALLOWANCES

Stage I	$20.10
Stage II	97.60
Stage III	194.90
TOTAL DISALLOWED	$312.60

2-24-56

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

RECEIVED
FEB 23 1956

224 New Customhouse
Denver 2, Colorado

CERTIFIED MAIL

February 21, 1956

Mr. Richard Vopat
601 Court Street
Scott City, Kansas

Re: Docket DMEA 3190 (Uranium)
Contract Idm-R672

Dear Mr Vopat:

On review of contract expenditures we find on processing your form MP-104 report for the month of February, 1955, that you were reimbursed for 90% of the costs of 96 feet of rotary drilling and 217 feet of casing in excess of that approved in the contract for Stage III work.

There follows an analysis of Stage III charges as provided by the Contract Administration and Audit Division in their review of expenditures under the contract:

Stage III

Claimed by Operator:		
3696 feet of Rotary drilling at 90¢ per foot	$3,326.40	
Allowed by contract:		
3600 feet of rotary drilling at 90¢ per foot	3,240.00	
Excess charged		$ 86.40
Claimed by Operator:		
2617 feet of casing at 50¢ per foot	1,308.50	
Allowed by contract:		
2400 feet of casing at 50¢ per foot	1,200.00	
Excess charged		108.50
Total excess charged		$ 194.90
Government participation at 90%		175.41
Amount withheld from February voucher		100.00
Total overpayment		$ 75.41

We will appreciate receiving your check in refund of the overpayment in the amount of $75.41, receipt of which will then enable us to close our files on this account.

Very truly yours,

W. M. TRAVER

W. M. Traver
Executive Officer, DRMA
Field Team, Region III

JWT:prl
cc: Chairman, Oper. Comm. (2)
Finance Office, Region III
Harahman
Shaw (2)
Hasler
Townsend
Corres. file
Chron.

2-13-56

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

RECEIVED
FEB 13 1956

February 10, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3190 (Uranium) Contract Idm-E672, Flattop Mining Company, McKinley County, New Mexico

In reference to "The Special Notice" instructions contained in the "Minutes, Operating Committee" No. 622 dated January 27, 1956, the operator's narrative report attached to "Form MF-104, Operator's Monthly Report and Voucher" for the month of February, 1955 has been accepted as his final report.

A Report of Review of contract expenditures by the Contract Administration and Audit Division is in process and final payment to the Operator has not been made.

W. M. TRAVER

W. M. Traver

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

224 New Customhouse
Denver 2, Colorado

August 24, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Gamma-ray log interpretations
Docket 2771, Contract Idm-E577, Gramlich Exploration Company, Utah
Docket 3094, Contract Idm-E649, Cameose Uranium Mines of America, Inc., Colorado
Docket 3151, Contract Idm-E671, Four Corners Exploration Company, New Mexico
Docket 3190, Contract Idm-E672, Flattop Mining Company, New Mexico
Docket 3266, Contract Idm-E733, Big Indian Uranium Corporation, Utah
Docket 3297, Contract Idm-E800, Centenental Uranium, Inc., Utah
Docket 3360, Contract Idm-E723, Mid-Continent Uranium Corporation, Utah
Docket 3449, Contract Idm-E745, United States Uranium Company, Colorado
Docket 3475, Contract Idm-E760, Amuranium Corporation, Utah
Docket 3550, Contract Idm-E782, Radium Hill Uranium, Inc., Colorado
Docket 3565, Contract Idm-E778, The Golden Cycle Corporation, Colorado
Docket 3579, Contract Idm-794, Eula Belle Uranium, Inc., Colorado
Docket 3582, Contract Idm-796, Walter Duncan Mining Company, Utah
Docket 3620, Contract Idm-808, Uranium Prospectors Company, Ltd., Colorado

3 sets Remain
1 set to USGS

Enclosed are four copies of gamma-ray log interpretations for holes drilled on the subject properties, and transmittal by E. N. Harshman, Region III DMEA Field Team member.

Enclosures
JDC:jy

W. M. Traver
W. M. Traver

cc:
Correspondence File E-577; 649; 671; 672; 733; 800; 723; 745; 760; 782; 778; 794; 796; 808

Shaw (2)
Hasler
Harshman Chron.

Townsend

IN REPLY REFER TO:
DMEA
Date Rec'd
AUG 19 1955
BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

August 19, 1955

Memorandum

RECEIVED
AUG 29 1955

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman

Subject: Gamma-ray log interpretations

Enclosed are 9 copies of gamma-ray log interpretations on the following DMEA exploration projects:

Docket	Company
2771	Gremlich Exploration Company
3094	Cameone Uranium Company, Peanut Group
3151	Four Corners Exploration Company, Flat Top claims Nos. 4 and 5
3190	Richard Vopat, et al, Flat Top Nos. 1, 2, and 3
3266	Big Indian Uranium Corporation
3475	Amuranium Corporation
3579	Jerome Craig
3565	Golden Cycle Corporation
3550	Radium Hill Uranium Company
3582	Walter Dunman Mining Company
3360	Mid-Continent Uranium Company
3449	U. S. Uranium Company
3620	Uranium Prospectors
3297	Continental Uranium Company

I have discussed with Hasler the need for more frequent transmittal of these data, and in the future log interpretations will be transmitted about once each month.

Four copies each of the enclosures should be transmitted to the Chairman of the Operating Committee for information purposes.

E. N. Harshman

E. N. Harshman
Member, Field Team

Enclosures

E. N. Harshman:arh

Vopat

Flat Top No. 1, 2, 3.

GAMMA-RAY LOG INTERPRETATION McKinley Co., N. Mexico -- DMEA 3190

Hole No.	Depth Drilled	Depth Cased	Depth Logged From* To	Anomaly Detected From* To	Anomaly Thickness	Counts per minute	CPM Corrected for Casing	CPM Corrected for G-M Tube	Grade $\%_e U_3O_8$	Remarks
										Claim No.
A.6-7.25	35.0	0	5.7-33.6	22.6- 23.7	1.1	320			<0.010	2
A.6-8.75	37.0	0	3.4-35.4	6.3- 7.2	0.9	820			0.028	2
B.6-4.25	34.0	0	6.8-32.8	Barren						1
B.6-5.25	35.0	0	7.7-33.6	18.4- 19.2 23.9- 25.2	0.8 1.3	240 280			<0.010 <0.010	2
E.6-5.25	53.0	0	4.6-47.1	34.2- 35.5	1.3	260			<0.005	1
E.6-6.25	56.0	0	4.5-50.0	Barren						1
E.6-8.25	52.0	0	10.3-50.2	25.1- 25.7 43.2- 44.0	0.6 0.8	260 1600			<0.010 0.045	2
E.6-8.75	72.0	0	9.2-63.1	55.4- 56.6	1.2	240			<0.005	2
E.6-9.25	78.0	0	9.2-69.1	58.7- 60.6 68.4- 69.1	1.9 ?	280 640			<0.005 >0.013	2
F.1-8.25	58.0	0	9.7-49.8	40.0- 42.8 49.3- 49.8	2.8 ?	240 400			<0.005 <0.014	2
F.6-[illegible].25	53.0	0	7.5-47.4	34.3- 35.0	0.7	260			<0.010	1
F.6-5.25	62.0	0	8.7-60.4	Barren						?
F.6-6.25	57.0	0	11.0-47.0	36.6- 37.7	1.1	260			<0.010	2
F.6-7.25	61.0	0	10.4-60.3	42.4- 44.0 51.7- 52.4	1.6 0.7	220 840			<0.005 0.035	?

* From top to bottom depths

Flat Top No. 1, 2, 3.
McKinley Co., N. Mexico -- DMEA

GAMMA-RAY LOG INTERPRETATION

Hole No.	Depth Drilled	Depth Cased	Depth Logged From*	Depth Logged To	Anomaly Detected From*	Anomaly Detected To	Anomaly Thickness	Counts per minute	CPM Corrected for Casing	CPM Corrected for G-M Tube	Grade $\%_e U_3O_8$	Remarks
												Claim No.
G.6-5.25	68.0	0	6.6-	66.4	32.4-	33.2	0.8	240			<0.010	2
G.6-6.25	64.0	0	4.4-	62.3	Barren							2
G.6-11.25	88.0	0	22.1-	84.0	71.0-	71.9	0.9	300			<0.010	3
G.6-[illegible].25	97.0	0	44.5-	86.4	74.7-	75.6	0.9	260			<0.010	3
~~I.6-2.25~~	~~88.0~~	~~0~~	~~6.2-~~	~~86.8~~	~~77.6-~~	~~78.4~~	~~0.8~~	~~240~~			~~0.010~~	~~3~~
I.6-9.25	113.0	0	50.3-	106.1	98.5-	99.4	0.9	240			<0.010	2
I.6-10.25	112.0	0	49.6-	105.4	92.1- 98.6-	93.0 100.4	0.9 1.8	920 240			0.032 <0.005	3
J.6-2.25	88.0	0	6.2-	86.8	77.6-	78.4	0.8	240			<0.010	3
J.6-6.25	?	0	4.5-	91.8	86.0-	87.0	1.0	400			0.010	3
J.6-7.25	?	0	5.1-	104.5	Barren							
J.6-12.25	124.0	69.NX	4.3-	121.5	92.2-	93.0	0.8	260			<0.010	3
J.6-[illegible].25	91.0	0	4.3-	89.7	Barren							
J.6-13.25	119.0	0	3.7-	110.5	Barren							
J.6-14.25	114.0	0	4.4-	113.5	97.4-	98.5	1.1	240			<0.005	3
J.6-15.25	122.0	0	52.1-	121.8	88.5- 103.1-	90.9 104.2	2.4 1.1	320 420			<0.010 0.010	3

* From top to bottom depths

Flat Top No. 1, 2, 3.
McKinley Co., N. Mexico -- DMEA

GAMMA-RAY LOG INTERPRETATION

Hole No.	Depth Drilled	Depth Cased	Depth Logged From*	Depth Logged To	Anomaly Detected From*	Anomaly Detected To	Anomaly Thickness	Counts per minute	CPM Corrected for Casing	CPM Corrected for G-M Tube	Grade $\%_e U_3O_8$	Remarks
												Claim No.
K.6- 3.25	100.0	0	25.6-	95.5	86.5-	87.8	1.3	300			<0.010	1
K.6- 4.25	101.0	0	25.4-	99.3	Barren							1
K.6- 7.25	123.0	0	49.6-	121.4	98.0-	99.5	1.5	240			<0.005	2
K.6- 8.25	131.0	0	49.5-	129.3	Barren							2
K.6-13.25	130.0	0	49.0-	126.7	104.7-	105.8	1.1	260			<0.010	3
K.6-14.25	132.0	0	50.1-	125.8	108.7- 113.5-	109.9 114.2	1.2 0.7	260 360			<0.005 0.010	3
K.6-15.25	132.0	0	52.5-	124.2	114.0-	115.0	1.0	300			<0.010	3
L.6- 1.75	?	0	5.1-	90.3	84.0-	84.6	0.6	380			0.012	1
L.6- 2.75	100.0	0	3.2-	98.5	Barren							1
L.6- 3.75	106.0	0	3.2-	104.2	92.6-	93.2	0.6	240			<0.010	3

* From top to bottom depths

vopat

Flat Top No. 1, 2, 3.

GAMMA-RAY LOG INTERPRETATION McKinley Co., N. Mexico -- DMEA 3190

Hole No.	Depth Drilled	Depth Cased	Depth Logged From* To	Anomaly Detected From* To	Anomaly Thickness	Counts per minute	CPM Corrected for Casing	CPM Corrected for G-M Tube	Grade $\%_eU_3O_8$	Remarks
										Claim No.
A.6-7.25	35.0	0	5.7-33.6	22.6- 23.7	1.1	320			<0.010	2
A.6-8.75	37.0	0	3.4-35.4	6.3- 7.2	0.9	820			0.028	2
B.6-4.25	34.0	0	6.8-32.8	Barren						1
B.6-5.25	35.0	0	7.7-33.6	18.4- 19.2 23.9- 25.2	0.8 1.3	240 280			<0.010 <0.010	2
E.6-5.25	53.0	0	4.6-47.1	34.2- 35.5	1.3	260			<0.005	1
E.6-6.25	56.0	0	4.5-50.0	Barren						1
E.6-8.25	52.0	0	10.3-50.2	25.1- 25.7 43.2- 44.0	0.6 0.8	260 1600			<0.010 0.045	2
E.6-8.75	72.0	0	9.2-63.1	55.4- 56.6	1.2	240			<0.005	2
E.6-9.25	78.0	0	9.2-69.1	58.7- 60.6 68.4- 69.1	1.9 ?	280 640			<0.005 >0.013	2
F.1-8.25	58.0	0	9.7-49.8	40.0- 42.8 49.3- 49.8	2.8 ?	240 400			<0.005 <0.014	2
F.6-[illegible].25	53.0	0	7.5-47.4	34.3- 35.0	0.7	260			<0.010	1
F.6-5.25	62.0	0	8.7-60.4	Barren						?
F.6-6.25	57.0	0	11.0-47.0	36.6- 37.7	1.1	260			<0.010	2
F.6-7.25	61.0	0	10.4-60.3	42.4- 44.0 51.7- 52.4	1.6 0.7	220 840			<0.005 0.035	?

* From top to bottom depths

Flat Top No. 1, 2, 3.
McKinley Co., N. Mexico -- DMEA

GAMMA-RAY LOG INTERPRETATION

Hole No.	Depth Drilled	Depth Cased	Depth Logged From*	Depth Logged To	Anomaly Detected From*	Anomaly Detected To	Anomaly Thickness	Counts per minute	CPM Corrected for Casing	CPM Corrected for G-M Tube	Grade $\%_e U_3O_8$	Remarks
												Claim No.
G.6-5.25	68.0	0	6.6-	66.4	32.4-	33.2	0.8	240			<0.010	2
G.6-6.25	64.0	0	4.4-	62.3	Barren							2
G.6-11.25	88.0	0	22.1-	84.0	71.0-	71.9	0.9	300			<0.010	3
G.6-12.25	97.0	0	44.5-	86.4	74.7-	75.6	0.9	260			<0.010	3
~~XXXXXXX~~	~~XXXX~~	~~X~~	~~XXXX~~	~~XXXX~~	~~XXXX~~	~~XXXX~~	~~XXX~~	~~XXX~~			~~XXXXX~~	~~X~~
I.6-9.25	113.0	0	50.3-	106.1	98.5-	99.4	0.9	240			<0.010	2
I.6-10.25	112.0	0	49.6-	105.4	92.1- 98.6-	93.0 100.4	0.9 1.8	920 240			0.032 <0.005	3
J.6-2.25	88.0	0	6.2-	86.8	77.6-	78.4	0.8	240			<0.010	3
J.6-6.25	?	0	4.5-	91.8	86.0-	87.0	1.0	400			0.010	3
J.6-7.25	?	0	5.1-	104.5	Barren							
J.6-12.25	124.0	69.NX	4.3-	121.5	92.2-	93.0	0.8	260			<0.010	3
J.6-[illegible].25	91.0	0	4.3-	89.7	Barren							
J.6-13.25	119.0	0	3.7-	110.5	Barren							
J.6-14.25	114.0	0	4.4-	113.5	97.4-	98.5	1.1	240			<0.005	3
J.6-15.25	122.0	0	52.1-	121.8	88.5- 103.1-	90.9 104.2	2.4 1.1	320 420			<0.010 0.010	3

* From top to bottom depths

Flat Top No. 1, 2, 3.

GAMMA-RAY LOG INTERPRETATION McKinley Co., N. Mexico -- DMEA

Hole No.	Depth Drilled	Depth Cased	Depth Logged From*	Depth Logged To	Anomaly Detected From*	Anomaly Detected To	Anomaly Thickness	Counts per minute	CPM Corrected for Casing	CPM Corrected for G-M Tube	Grade $\%_e U_3O_8$	Remarks
												Claim No.
K.6- 3.25	100.0	0	25.6-	95.5	86.5-	87.8	1.3	300			<0.010	1
K.6- 4.25	101.0	0	25.4-	99.3	Barren							1
K.6- 7.25	123.0	0	49.6-	121.4	98.0-	99.5	1.5	240			<0.005	2
K.6- 8.25	131.0	0	49.5-	129.3	Barren							2
K.6-13.25	130.0	0	49.0-	126.7	104.7-	105.8	1.1	260			<0.010	3
K.6-14.25	132.0	0	50.1-	125.8	108.7- 113.5-	109.9 114.2	1.2 0.7	260 360			<0.005 0.010	3
K.6-15.25	132.0	0	52.5-	124.2	114.0-	115.0	1.0	300			<0.010	3
L.6- 1.75	?	0	5.1-	90.3	84.0-	84.6	0.6	380			0.012	1
L.6- 2.75	100.0	0	3.2-	98.5	Barren							1
L.6- 3.75	106.0	0	3.2-	104.2	92.6-	93.2	0.6	240			<0.010	3

* From top to bottom depths

Vobat

Flat Top No. 1, 2, 3.

GAMMA-RAY LOG INTERPRETATION McKinley Co., N. Mexico -- DMEA 3190

Hole No.	Depth Drilled	Depth Cased	Depth Logged From* To	Anomaly Detected From* To	Anomaly Thickness	Counts per minute	CPM Corrected for Casing	CPM Corrected for G-M Tube	Grade $\%_e U_3O_8$	Remarks
										Claim No.
A.6-7.25	35.0	0	5.7-33.6	22.6- 23.7	1.1	320			<0.010	2
A.6-8.75	37.0	0	3.4-35.4	6.3- 7.2	0.9	820			0.028	2
B.6-4.25	34.0	0	6.8-32.8	Barren						1
B.6-5.25	35.0	0	7.7-33.6	18.4- 19.2 23.9- 25.2	0.8 1.3	240 280			<0.010 <0.010	2
E.6-5.25	53.0	0	4.6-47.1	34.2- 35.5	1.3	260			<0.005	1
E.6-6.25	56.0	0	4.5-50.0	Barren						1
E.6-8.25	52.0	0	10.3-50.2	25.1- 25.7 43.2- 44.0	0.6 0.8	260 1600			<0.010 0.045	2
E.6-8.75	72.0	0	9.2-63.1	55.4- 56.6	1.2	240			<0.005	2
E.6-9.25	78.0	0	9.2-69.1	58.7- 60.6 68.4- 69.1	1.9 ?	280 640			<0.005 >0.013	2
F.1-8.25	58.0	0	9.7-49.8	40.0- 42.8 49.3- 49.8	2.8 ?	240 400			<0.005 <0.014	2
F.[illegible].25	53.0	0	7.5-47.4	34.3- 35.0	0.7	260			<0.010	1
F.6-5.25	62.0	0	8.7-60.4	Barren						?
F.6-6.25	57.0	0	11.0-47.0	36.6- 37.7	1.1	260			<0.010	2
F.6-7.25	61.0	0	10.4-60.3	42.4- 44.0 51.7- 52.4	1.6 0.7	220 840			<0.005 0.035	?

* From top to bottom depths

Flat Top No. 1, 2, 3.
McKinley Co., N. Mexico -- DMEA

GAMMA-RAY LOG INTERPRETATION

Hole No.	Depth Drilled	Depth Cased	Depth Logged From*	Depth Logged To	Anomaly Detected From*	Anomaly Detected To	Anomaly Thickness	Counts per minute	CPM Corrected for Casing	CPM Corrected for G-M Tube	Grade $\%_e U_3O_8$	Remarks
												Claim No.
G.6-5.25	68.0	0	6.6-	66.4	32.4-	33.2	0.8	240			<0.010	2
G.6-6.25	64.0	0	4.4-	62.3	Barren							2
G.6-11.25	88.0	0	22.1-	84.0	71.0-	71.9	0.9	300			<0.010	3
G.6-12.25	97.0	0	44.5-	86.4	74.7-	75.6	0.9	260			<0.010	3
~~XXXXXXX~~	~~XXX~~	~~X~~	~~XXXXXXX~~		~~XXXXXXX~~		~~XXX~~	~~XXX~~			~~XXXXX~~	~~X~~
I.6-9.25	113.0	0	50.3-	106.1	98.5-	99.4	0.9	240			<0.010	2
I.6-10.25	112.0	0	49.6-	105.4	92.1- 98.6-	93.0 100.4	0.9 1.8	920 240			0.032 <0.005	3
J.6-2.25	88.0	0	6.2-	86.8	77.6-	78.4	0.8	240			<0.010	3
J.6-6.25	?	0	4.5-	91.8	86.0-	87.0	1.0	400			0.010	3
J.6-7.25	?	0	5.1-	104.5	Barren							
J.6-12.25	124.0	69.NX	4.3-	121.5	92.2-	93.0	0.8	260			<0.010	3
J.6-[illegible].25	91.0	0	4.3-	89.7	Barren							
J.6-13.25	119.0	0	3.7-	110.5	Barren							
J.6-14.25	114.0	0	4.4-	113.5	97.4-	98.5	1.1	240			<0.005	3
J.6-15.25	122.0	0	52.1-	121.8	88.5- 103.1-	90.9 104.2	2.4 1.1	320 420			<0.010 0.010	3

* From top to bottom depths

Flat Top No. 1, 2, 3.
McKinley Co., N. Mexico -- DMEA

GAMMA-RAY LOG INTERPRETATION

Hole No.	Depth Drilled	Depth Cased	Depth Logged From*	Depth Logged To	Anomaly Detected From*	Anomaly Detected To	Anomaly Thickness	Counts per minute	CPM Corrected for Casing	CPM Corrected for G-M Tube	Grade $\%_e U_3O_8$	Remarks
												Claim No.
K.6- 3.25	100.0	0	25.6-	95.5	86.5-	87.8	1.3	300			<0.010	1
K.6- 4.25	101.0	0	25.4-	99.3	Barren							1
K.6- 7.25	123.0	0	49.6-	121.4	98.0-	99.5	1.5	240			<0.005	2
K.6- 8.25	131.0	0	49.5-	129.3	Barren							2
K.6-13.25	130.0	0	49.0-	126.7	104.7-	105.8	1.1	260			<0.010	3
K.6-14.25	132.0	0	50.1-	125.8	108.7- 113.5-	109.9 114.2	1.2 0.7	260 360			<0.005 0.010	3
K.6-15.25	132.0	0	52.5-	124.2	114.0-	115.0	1.0	300			<0.010	3
L.6- 1.75	?	0	5.1-	90.3	84.0-	84.6	0.6	380			0.012	1
L.6- 2.75	100.0	0	3.2-	98.5	Barren							1
L.6- 3.75	106.0	0	3.2-	104.2	92.6-	93.2	0.6	240			<0.010	3

* From top to bottom depths

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

RECEIVED
JUN 23 1955

224 New Customhouse
Denver 2, Colorado

June 20, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3190 (Uranium), Contract Idm-E672, Flattop Mining Company, McKinley County, New Mexico

Enclosed are two copies of the Operator's Monthly Progress Report, form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data pertaining to work under the subject contract for the month of February, 1955.

W. M. Traver

Enclosures

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

224 New Customhouse
Denver 2, Colorado

June 15, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3190 (Uranium), Contract Idm-E672, Flattop Mining Company, McKinley County, New Mexico - Operator's Monthly Progress Report for the month of February, 1955

Enclosed are the original and four copies of form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on form MF-200A, therefore we recommend that payment be made for 90 percent of the amount reported by the Operator on form MF-104, contingent on your verification of arithmetical accuracy within the report.

The amount of ~~$200.00~~ $250.00 Berk which was withheld from payment to the Operator on the October, 1954 report is to be reinstated and $100.00 to be withheld from this report pending release of the final Report of Review by the Contract Administration and Audit Division.

Remarks:

Date of Report.....April 4, 1955
Date Received in Field Office.....April 6, 1955
Date Received in Region Office.....June 13, 1955

Delay in Field Office was due to not receiving enough information to enable the report to be processed.

W. M. Traver

Enclosures

RDB:sr

cc Subject
Sec. Op. Comm. (2)
Townsend w/copy Engr. Report
Shaw
Chron

DMEA
Date Rec'd
JUN 13 1955

RECEIVED
JUN 13 1955
BUREAU OF MINES
Denver, Colorado

Region III

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
June 10, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: W. H. King, for
John F. Shaw

WHK for JFS

From: Glen Walker

Subject: DMEA 3190, Contract Idm-E672 (Uranium) Flattop Mining Company McKinley County, New Mexico - Progress report for February 1955

The property was visited on May 17, 1955, in company with F. O. Manol, drilling contractor, who did the work on the Flattop Mining Company property. Mr. Manol pointed out the holes drilled in the third stage of the DMEA contract.

During the third stage a total of 50 holes were drilled and payment has previously been approved for 26 holes totaling 2,147 feet. Of the remaining 24 holes 22 or 1,549 feet are claimed on the February 104's. Participation in this footage is approved; although it exceeds by 96 feet that estimated for Stage III, it does not make the total for the project greater than that allowed by the contract.

The work finished in February 1955 completes the DMEA contract. The results of the project are almost entirely negative as indicated by the 20 chemical analyses, none of which exceed 0.02 percent U_3O_8.

It is recommended that payment to the operator be made in the amount of $1,718.19 which is 90 percent of his claim.

The monthly report forms were not complete when received. The inspection could not be completed until May 17, 1955, when the operator supplied the missing information.

It is recommended that the operator's narrative report be accepted as the final report.

Glen Walker
Glen Walker
Mining Engineer

enclosures

cc 6

E672

DMEA Chron.

GW/mh

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

RECEIVED
JUN 23 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 195 Docket No. DMEA 3190 Contract No. Idm-E672
Operator's Name Richard Vopat et al Minerals Uranium
Address 601 Court St., Scott City, Kansas
Contract Amount, $11,007.50 Government Participation 90 % Amount, $9,906.75

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	$1,909.10	$8,775.10	$10,684.20			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1,909.10	$8,775.10	$10,684.20	1909.10	8775.10	10684.20
				117.70		117.70

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 4-4-55 *Payee Richard Vopat et al
Per Richard Vopat Title Operator

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
1909.10 8657.40 10 566.50
$1,868.19
Signature Randell R. Cooper
(Authorized Certifying Officer)
Date 6-17-55 Vou. No. DMA-55-98
(See other side)

$250.00 Withheld in C1 report reinstated
100.00 Withheld + Previous disallowance

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 672 in accordance with the terms of the contract.

Signature G Walker $1609 7% 1718 19 Title Manager Date 5/20/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Berk.

Signature [illegible] Title Executive Officer Date JUN 15 1955

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 23 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1955 Docket No. DMEA 3190 Contract No. Ida-2672
Operator's Name Richard Vopat et al Minerals Uranium
Address 601 Court St., Scott City, Kansas

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling Rotary	.90'	$1,394.10	1,549	$ 7,949.70	8,833	.90'	3,600	$3,240.00
Casing	.50'	$ 515.00	1,072	$ 2,107.50	4,257	.50'	2,400	$1,200.00
Mud Wall	.30	-0-	-0-	$ 627.00	2,090	.30'	2,050	$1,025.00
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1,909.10		$10,684.20				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1,909.10		$10,684.20				$11,007.50

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

Date 4-21-55 Operator Richard Vopat et al

Per Richard Vopat Title Operator

REMARKS: This report covers the remaining 22 holes of the 48 hole allowed under Stage #3 of the project.
Also this reports covers the final costs of the project which we have completed.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

Gebalkin

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

FINAL NARRATIVE REPORT
DMEA Docket No. 3190
Contract Idm-2672

RECEIVED
JUN 23 1955

The D.M.E.A. Program on the Flat Top Claims, Nos. 1, 2 and 3 in Section 30; Township 13 North, Range 9 West; McKinley County, New Mexico has been completed.

Including a minor amount of drilling done in excess of the allowance under D.M.E.A., 118 holes, a total of 8,393 feet, have been drilled on this property.

All holes employed methods prescribed by contract. Stage 1 was drilled with mud to limestone, the limestone being subsequently drilled with compressed air after the holes had dried. Stage 2 and 3 were drilled to limestone employing casing to further reduce dilution. All samples were checked in the field and all holes were logged radiometrically.

It is remarkable that despite intensive drilling, no hole even approaching ore grade was encountered. Section 30 is one of the most prolific producers and contains some of the largest ore reserves in the Grants District. Ore bodies are known to extend almost to the boundaries of these claims on all sides. It is still possible that one of the known ore bodies adjacent to these claims will extend on to this property for a short distance. It is also possible that small pods of ore may be found between drill holes. However, considering the amount of drilling, results have been highly negative.

One possible explanation for the absence of ore is the lack of pronounced structure in Todilto limestone upon these claims. Sharply defined folds both east and west of this property are locci of large ore bodies.

Twenty of the best samples were checked by chemical analyses as required by the contract. Results of these analyses are made a part of the Geologic report.

This narrative report is prepared by Mr. F. D. Mamol of the Four Corners Exploration Company at the request of the writer.

Very truly yours,

Richard Vopat

Richard Vopat
601 Court St.
Scott City, Kansas

Operator's
final report

GEOLOGIC REPORT
COVERING REMAINING 22 HOLES OF THE 48 HOLES UNDER STAGE #3

Hole No.	Depth to Limestone	Out of Limestone	Maximum Probe Count
C.6-3.25	12'	24'	Nil
C.6-4.25	16'	30'	.005
C.6-5.25	20'	36'	.005
C.6-6.25	24'	44'	.01
C.6-7.25	27'	45'	.01
C.6-8.25	28'	44'	Nil
D.6-5.25	26'	42'	.005
D.6-4.25	20'	34'	.005
D.6-3.25	18'	28'	Nil
D.6-2.25	20'	30'	Nil
E.6-2.25	25'	35'	.005
E.6-3.25	30'	42'	.005
J.6-14.25	97'	109'	.01
J.6-13.25	88'	114'	.005
J.6-12.25	93'	119'	.01
J.6-7.25	77'	101'	.015
J.6-6.25	71'	89'	.02
J.6-3.25	62'	88'	.005
J.6-2.25	66'	84'	.015
L.6-3.75	82'	99'	.005
L.6-2.75	82'	94'	.005
L.6-1.75	78'	86'	.015
E.6-6.25	33'	51'	.01
E.6-5.25	32'	48'	.01

RECEIVED
JUN 3 3 1955

CERTIFICATE OF ANALYSIS is attached hereto and made a part of this report.

THE BROWN LABORATORY

2263 Broadway
GRAND JUNCTION, COLORADO

RECEIVED
JUN 23 1955

ANALYTICAL DEPARTMENT

PHONE 1543-W

CERTIFICATE OF ANALYSIS

TO

- [illegible] Mining Co.
- [illegible]ity, [illegible]
-

Date 3-23-55
Order No. 2569-[illegible]

Material: [illegible]
Received: [illegible]-21-[illegible]
For: [illegible]

Lab. No.	Your No.	Description	%U_3O_8	%V_2O_5	%$CaCO_3$
2569-1	[illegible]-6-7.75	22-24	[illegible].01		
2569-2	[illegible]-6-4.75	26-28	[illegible].02		
2569-3	[illegible]-6-3.75	15-17	[illegible].01		
2569-4	[illegible]-6-3.75	17-19	[illegible]		
2569-5	[illegible]-6-2.75	28-3[illegible]	[illegible].02		
2569-6	[illegible]-6-4.75	35-37	-[illegible].01		
2569-7	[illegible]-6-3.25	43-45	[illegible].01		
2569-8	[illegible]-6-5.75	44-46	Trace		
2569-9	[illegible]-6-4.75	47-49	Trace		
2569-10	[illegible]-6-7.25	52-54	-[illegible].01		
2569-11	[illegible]-6-6.75	53-55	-[illegible].01		
2569-12	[illegible]-6-5.75	62-64	-[illegible].01		
2569-13	[illegible]-6-11.75	87-89	[illegible].01		
2569-14	[illegible]-6-9.75	99-1[illegible]1	[illegible].01		
2569-15	[illegible]-6-2.75	79-81	[illegible].01		
2569-16	[illegible]-6-12.75	94-96	[illegible].01		
2569-17	[illegible]-6-15.25	103-105	-[illegible].01		
2569-18	[illegible]-6-13.75	107-1[illegible]9	[illegible].01		
2569-19	[illegible]-6-7.75	1[illegible]7-1[illegible]9	Trace		
2569-2[illegible]	[illegible]-6-14.25	109-11[illegible]	-[illegible].01		

Analyst.

DRILLER'S LOG

UTAH | COLORADO
ARIZONA | NEW MEXICO

Four Corners Exploration Company

P. O. BOX 116
GRANTS, NEW MEXICO

RECEIVED
JUN 23 1955

Weather:

Date: 2-17-55

Customer: Voport

Location: Grants N. M.

Flat Top 1-3

Sec 30 / 13 / 9

HOLE NO.	DEPTH FROM	DEPTH TO	ROCK COLOR	ROCK HARDNESS	ROCK TYPE	TIME STARTED	TIME ENDED	DELAYS, DIFFICULTIES, REPAIRS, ETC.
J.6-12.25	0	68	S	SD-GL	Cg			Yerrel Rig No 13443
	68	93	M	SE-ME				
	93	119	H	LIME	93			
	119	124	M	SE				
J.6-7.25	0	70	S	SD-GL				
	70	77	M	SE-ME				
	77	101	H	LIME	77			
	101	106	M	SE				
J.6-6.25	0	71	S	SD-GL				
	71	89	H	LIME	71			2 Water (M)
	89	94	M	SE				
								F.B.R. 11 1/2 hrs
								Chaves 10 1/2 hrs
								Salazar 10 1/2 hrs

Driller: F.B.R.

224 New Customhouse
Denver 2, Colorado

February 11, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket-3190 (Uranium), Contract Idm-E672, Flattop Mining Company, (Flattop-Vilatie Hyde claims Nos. 1, 2, and 3), McKinley County, New Mexico -

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month December, 1954.

W. M. TRAVER

Enclosures

W. M. Traver

224 New Customhouse
Denver 2, Colorado

February 7, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket-3190 (Uranium), Contract Idm-E672, Flattop Mining Company, (Flattop-Vilatie Hyde claims Nos. 1, 2, and 3), McKinley County, New Mexico - Operator's Monthly Progress Report for the period December, 1954

Enclosed are the original and four copies of Form-MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

NOTE:

Drill logs which accompanied the original report are to be filed in this office.

Remarks:

Date of Report.....January 12, 1955
Date Received in Field Office.....January 17, 1955
Date Received in Region Office.....February 7, 1955

W. M. TRAVER

Enclosures

W. M. Traver

RDB:pw

cc: Subject
Chron
Sec.Op.Comm. (2)
Shaw

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DMEA
FEB 7 1955

Region III

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
February 4, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: John F. Shaw

FEB 14 1955

From: Hugh M. Connors

Subject: DMEA 3190, Contract Idm-E672 (Uranium), Flattop Mining Company (Flattop-Vilatie Hyde claims Nos. 1, 2, and 3) McKinley County, New Mexico - Progress Report for December 1954, (partial work on Stage III of contract).

The subject project was visited on January 26, 1955, to inspect the progress being made under Stage III of the contract.

A total of 26 holes of the 48 holes allowed by Stage III of the contract have been drilled. F. O. Manol, operator's representative, stated that the 26 holes were completed on December 20. No drilling was in progress on this property on the date of the inspection.

A total of 2,147 feet of drilling in Stage III is claimed by the operator. The driller's logs show 2,147 feet and the contract allows 3,600 feet total in Stage III.

The operator claims 1,587 feet of casing which agrees with the driller's logs. The contract allows 2,400 feet of casing for the 48 holes in Stage III.

Drilling is allowed for 2,147 feet of hole at $0.90 per foot, or a total of $1,932.30.

Casing is allowed for 1,587 feet of hole at $0.50 per foot, or a total of $793.50.

The approved costs for the first 26 holes in Stage III totals $2,725.80, making an approved grand total to date of $8,657.40.

DMEA 3190
Idm-B672
2/4/55

All work appears to have been done in a workmanlike manner and according to the terms of the contract. It is recommended that the Government's share of the approved costs, 90 percent of $2,725.80, or $2,453.22, be paid to the operator.

Hugh M. Conners
Mining Engineer

HMC/cm

cc 6
DMEA 3190
Chron

2

GEOLOGIC REPORT

OMEA
FEB 2 1955

Hole No.	Depth to Limestone	Out of Limestone	Maximum Probe Count
G.6-5.25	47'	63'	.005%
G.6-6.25	47'	59'	.005%
F.6-5.25	41'	57'	.005%
F.6-4.25	36'	48'	.005%
F.6-6.25	38'	52'	.005%
F.6-7.25	42'	56'	.07%
E.6-9.25	57'	73'	.02%
E.6-8.75	55'	67'	.01%
E.6-8.25	37'	47'	.09%
F.1-8.25	41'	53'	.01.5%
B.6-4.25	17'	29'	Nil
B.6-5.25	22'	30'	.01.5%
A.6-7.25	12'	30'	.01.5%
A.6-8.25	12'	32'	Nil
G.6-12.25	76'	92'	.02%
G.6-11.25	69'	83'	.005%
I.6-9.25	92'	108'	Nil
I.6-10.25	91'	107'	.01%
J.6-15.25	89'	117'	.01.5%
K.6-15.25	109'	127'	Nil
K.6-13.25	99'	125'	.01.5%
K.6-14.25	107'	127'	.01.5%
K.6-8.25	104'	126'	.005%
K.6-7.25	94'	118'	.005%
K.6-4.25	80'	96'	.005%
K.6-3.25	73'	95'	.005%

NARRATIVE REPORT

This report covers 26 of the 48 holes under Stage 3 of our contract. We are allowed to drill 48 holes under stage three of our Contract.

Of the 26 holes drilled only 4 were completely negative. The remaining 22 holes are to be drilled as offset holes to holes showing probe anomaly and also to offset known ore holes to the north of these claims.

To date of the holes drilled none have been in ore however there is ample room between the holes drilled for normal sized ore bodies. All holes to date have been drilled on a pattern and most of the drilling in this area is drilled on 100 foot centers by operators in the area.

No chemical assays seem necessary at this time on the basis of showings to date. We prefer to reserve budgeted assays for confirmation of actual discovery.

Very truly yours,

Richard Vopat

Richard Vopat
601 Court St.
Scott City, Kansas

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Denver Minerals Administration
RECEIVED
FEB 14 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1954 Docket No. DMEA 3190 Contract No. Ion-2672
Operator's Name Richard Vopat et al Minerals Uranium
Address 601 Court St., Scott City, Kansas
Contract Amount, $ 11,007.50 Government Participation: 90 % Amount, $ 9,906.75

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	$2,725.80	$6,049.30	$8,775.10			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$2,725.80	$6,049.30	$8,775.10	2725.80	6049.30	8775.10
				1. 117.70	1. 117.70	

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 1-12-55 *Payee Richard Vopat et al
Per Richard Vopat Title Operator

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

1. Previous Disallowance
* $250.00 Withheld

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of: 3937.60 * 8657.40
$ 2,453.22
Signature Russell R. Cooper (Authorized Certifying Officer)
Date 2/8/55 Vou. No. DMA-55-61
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Tim-E672 in accordance with the terms of the contract.

Signature Hugh M. Connors #2,453,224 Title Mining Engineer Date Feb. 3, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Berk.

Signature W. M. Crawer Title Executive Officer Date FEB 7 1955

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 3190 Contract No. Idm-0672
Operator's Name Richard Vopat et al Minerals Uranium
Address 601 Court St., Scott City, Kansas

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Rotary	.90'	$1,932.30	2,147	$6,555.60	7284	.90'	3,600	$3,240.00
Drill Casing	.50'	$ 793.50	1.587	$1,592.50	3185	.50'	2,400	$1,200.00
Mud Wall	.30'	--0--	--0--	$ 627.00	2090	.30'	2,050	$1,025.00
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		$2,725.80		$8,775.10				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$2,725.80		$8,775.10				$11,007.50

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

Date 1-12-55 Operator Richard Vopat et al

Per Richard Vopat Title Operator

Remarks: This report covers 26 of the 48 holes allowed under Stage #3 of the project.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

February 9, 1955

Memorandum

To: Hazel Berry, Operating Committee

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

Subject: Docket No. DMEA-3190 (Uranium)
Richard Vopat, et al
Contract No. Idm-E672

Mr. Ching has reviewed and approved Amendment No. 4, dated February 3, 1955, to the above contract.

/s/ Grace L. Ault

Grace L. Ault

Date February 9, 1955

To: Mr. Ching

Docket No. DMEA-3190 Richard Vopat, et al. (Uranium)
Contract No. Idm-E672

Attached is Amendment No. 4, dated February 3, 1955

to be reviewed.

Approved M. Ching

Other action —

Please return this slip to me for my records.

Mrs. Ault

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

Department of the Interior
Defense Minerals Administration
RECEIVED
FEB - 7 1955

224 New Customhouse
Denver 2, Colorado

February 3, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Richard Vopat et al., dba Flattop Mining Co., McKinley County, New Mexico

Enclosed are the original and two copies of Amendment No. 4 to Contract Idm-E672 which cancels Amendment No. 3, extends the period for completion of the project work from December 10, 1954 to April 1, 1955, and extends the period for repayment to the Government from 10 years to 11 years. The latter correction was made to conform with information contained in your letter of January 24, 1955, to which was attached a memorandum from the Acting Assistant Solicitor, DMEA. Also enclosed are three copies of the operator's letter requesting an extension of the completion period.

Copies of the amendment have been given to the operator, the Finance Office, Region III, and a copy has been retained for our files.

W. M. Traver

W. M. Traver

Enclosures

Scott City, Kansas
January 15, 1955

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse
Denver 2, Colorado

Re: Docket No. 3190 (Uranium)
Contract Idm-2682

Dear Mr. King:

I have been advised by Mr. F. O. Manol of the Four Corners Exploration Company of Grants, New Mexico, that they will be unable to complete Stage 3 of our drilling program this month.

We have completed the first half of our Stage 3 drilling and stopped work to consider asking for a Stage 4. However we have decided to go ahead and complete Stage 3 as originally planned.

The weather has been very unfavorable for wet drilling and Mr. Manol thinks that weather conditions will be much better after February 1st. Also Mr. Manol is busy getting out year end reports etc. and is unable to give our drilling program the attention he feels he should.

We would like therefore to have at least another thirty (30) days extension on the completion date of our contract.

Very truly yours,

Richard Vopat

Richard Vopat
601 Court St.
Scott City, Kansas

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

224 New Customhouse
Denver 2, Colorado

January 26, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Richard Vopat, et al, Flat-Top-Vilatie Hyde Claims Nos. 1, 2 and 3, McKinley County, New Mexico

Reference is made to your letter of January 24, 1955, forwarding copies of Mr. Hofflund's memorandum of January 19 regarding a deficiency in the purpose of Amendment No. 3 executed by this office.

Amendment No. 4 will be executed by this office to correct the deficiency in Amendment No. 3.

W. M. Traver

W. M. Traver

JAN 2 4 1955

Mr. W. M. Turner
Executive Officer
IRTA Field Team, Reg. on III
[illegible] Denver Contractors Building
Denver 2, Colorado

Re: Contract No. [illegible] (Terminal)
Contract No. [illegible]
Richard Vogel, et al.
Flat Top-Hilltop Ryan Claims
Nos. 1, 2 and 3
[illegible] County, New Mexico

Dear Mr. Turner:

For your information and in connection with Amendment No. 3, dated December [illegible], 1954, executed in Region IV and transmitted to Washington with Wehling's memorandum of December 29, 1954, we are forwarding copies of Mr. Hoffhant's memorandum of January 19, 1955, which is self-explanatory.

Sincerely yours,

George C. Selfridge

Chairman, Quantking Committee

Enclosures

APPROVED:

J. H. Hedges

Director, Bureau of Mines

Thor H. Kiilsgaard

Director, Geological Survey

Wehling/gbm
1-20-55
cc to: Admr.'s Pending File
Quantking Committee
Docket
Messrs. J. E. Crawford, Reg. [illegible]
T. H. Kiilsgaard, Reg. [illegible]
J. C. Hartzel, Reg. [illegible], GSA
Code 700
Mr. Ching

1/20/55-gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

JAN 19 1955

Memorandum

To: The Administrator, DMEA
Attention: E. W. Ellis

From: Acting Assistant Solicitor, Defense Minerals

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Flattop Mining Co., McKinley County, New Mexico

We have reviewed Amendment No. 3 to the subject contract, executed by Mr. King.

The purposes of the amendment are to extend the time for completion of the work and to extend the period for the payment of royalty. However, it has not accomplished the latter purpose. Amendment No. 1 cancelled Annex I attached to the contract and substituted an Annex II (in lieu of the royalty article) attached to said Amendment. Therefore, the reference in Amendment No. 3 to the Amendment of Annex I, which was previously cancelled, is a nullity.

Accordingly, at the first opportunity to amend the contract, the extension of the period for the payment of royalty should be properly done.

J. L. Hofflund

J. L. Hofflund
Acting Assistant Solicitor,
Defense Minerals

HCRubin:gjb 1/18/55

Copy to: DMEA Docket
Solicitor's Docket
E. W. Ellis
H. C. Rubin
J. L. Hofflund
Chron. File

January 5, 1955

Memorandum

To: Hazel Berry, Operating Committee

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

Subject: Approval of amendment

Amendment No. 3, dated December 29, 1954, to Contract No. Idm-8672, Docket No. DMA-3190, Richard Vopat, et al (Flattop Mining Co.) has been reviewed and approved by Mr. Ching.

Grace L. Ault

Grace L. Ault

Date January 4, 1955

To: Mr. Ching

Docket No. DMEA-3190, Richard Vopat, et al - Flattop Mining Co.
Contract No. Idm-E672

Attached is Amendment No. 3, dated December 29, 1954

to be reviewed.

Approved Michael Ching

Other action —

Please return this slip to me for my records.

Mrs. Ault

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

224 New Customhouse
Denver 2, Colorado

December 29, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Flattop Mining Co., McKinley County, New Mexico

Enclosed are the original and two copies of Amendment No. 3 to Contract Idm-E672 which has been executed to extend the period for completion of the project work to prior to February 1, 1955 and extends the period for repayment of the amount of Government participation from 10 years to 11 years. Also enclosed are three copies of the operator's letter requesting the amendment for extension of the completion period.

Copies of the amendment have been given to the operator, the Finance Office, Region IV, and a copy has been retained for our files.

W. H. King

W. H. King

Encls.

Scott City, Kansas
December 7, 1954

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse
Denver 2, Colorado

Re: Docket No. 3190
Contract Idm-8672

Dear Mr. King:

We would like to request a forty five (45) day extension on the completion date of our contract which is December 10, 1954.

Our reasons for requesting this extension are that we received the approval to proceed with Stage 3 drilling just a few days ago. Also Four Corners Exploration Co. of Grants, New Mexico, who are doing our drilling would like to proceed with their Stage 3 drilling on their Flat Top Claims four and five. The approaching holiday season will also curtail work in the area for a week or ten days. At this time of the year there is the possibility that weather conditions will also hamper drilling operations.

Trusting that this request for extension of time can be granted, we are

Very truly yours,

THE FLAT TOP MINING CO.
By Richard Vopat
Richard Vopat
601 Court St.
Scott City, Kansas

12/10/54 gle

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

224 New Customhouse
Denver 2, Colorado

December 7, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Flattop Mining Company, McKinley County, New Mexico

Enclosed are three copies of work authorization, dated December 1, 1954, for the performance of certain work under Contract Idm-E672. Also enclosed are four sets of data relative thereto.

W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

December 1, 1954

Mr. Richard Vopat, Agent
Flattop Mining Company
601 Court Street
Scott City, Kansas

Re: Docket DMEA 3190 (Uranium)
Contract Idm-E672

Dear Mr. Vopat:

Confirming approval for the performance of Stage III drilling by telegram to Frank O. Manol, dated December 1, 1954, and consistent with the stipulations contained in EXHIBIT "A", caption "Description of the Work", subheading "Stage III" of Contract Idm-E672, you are hereby authorized to perform drilling under said Stage III of the contract.

The locations of holes to be drilled are shown on the map Figure 1, entitled "Sketch Map of the Flat Top-Vilatie Hyde Nos. 1-3 Claims, Richard Vopat, et. al., Showing Location of Stage 1 and 2 Drill Holes and Proposed Drill Holes for Stage 3, McKinley County, New Mexico" which is attached hereto and made a part of this work authorization.

The drilling under Stage III will be performed in accordance with all specifications in Contract Idm-E672 pertaining thereto.

Nothing in this work authority shall be construed to increase the total estimated cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Very truly yours,

W. H. King

W. H. King

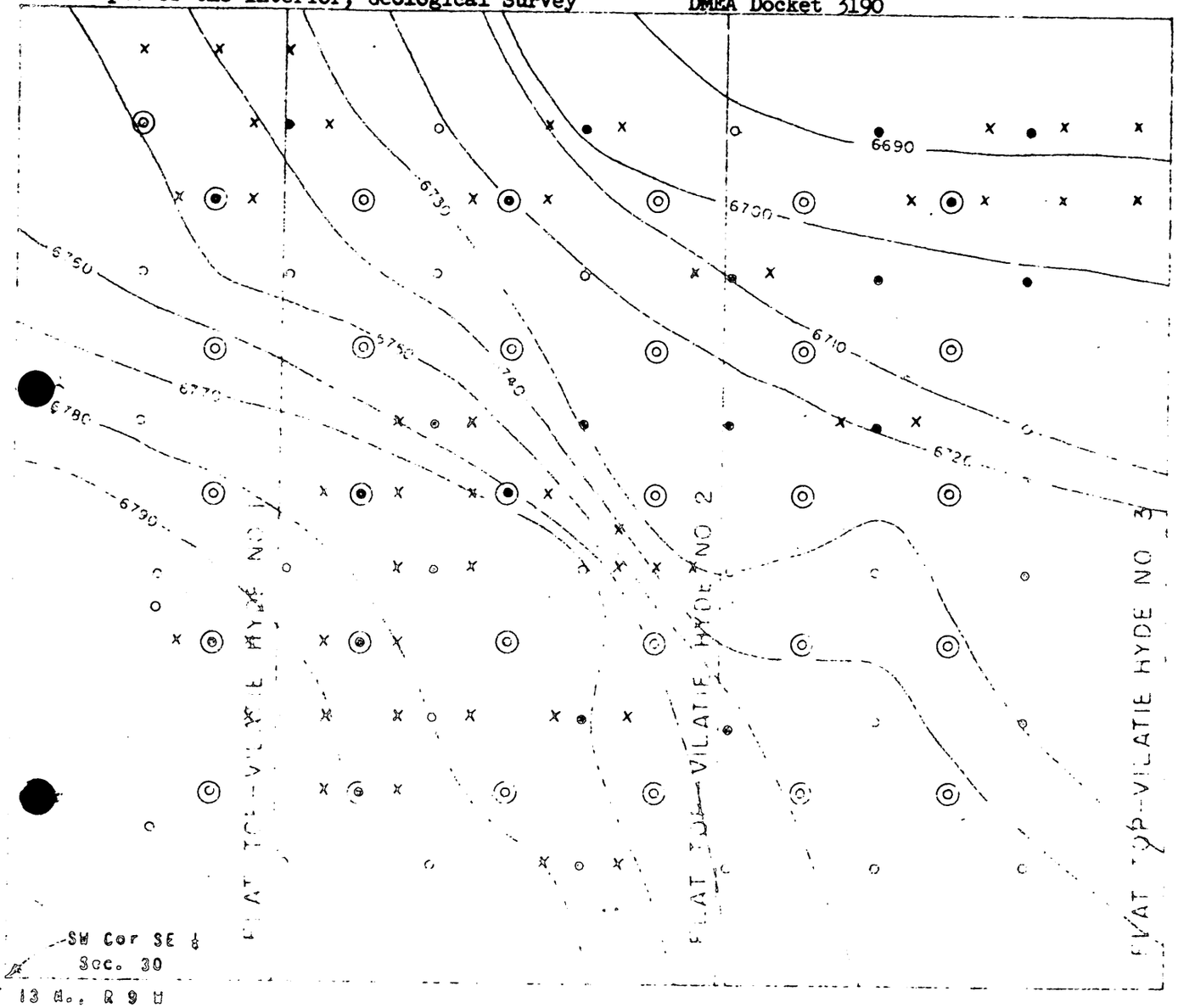
per A. H. Koschmann

A. H. Koschmann

DMEA Field Team, Region IV

JWT:jp
cc Subject w/enc
Amendment
Chron
Christensen
Chairman, Op. Comm. (3) w/enc
Koschmann w/enc
Brokaw "
Traver "
Townsend "

U.S. Dept. of the Interior, Geological Survey DMEA Docket 3190



EXPLANATION

- ● STAGE 1 DRILL HOLE COMPLETED SHOWING A SIGNIFICANT IN HOLE GAMMA-RAY ANOMALY
- ○ STAGE 1 DRILL HOLE COMPLETED
- ◉ STAGE 2 DRILL HOLE COMPLETED SHOWING A SIGNIFICANT IN HOLE GAMMA-RAY ANOMALY
- ⊙ STAGE 2 DRILL HOLE COMPLETED
- X STAGE 3 DRILL HOLE, PROPOSED LOCATION

N

200 0 400 FEET

CONTOUR INTERVAL 10 FEET

CONTOURS ON TODILTO-ENTRADA CONTACT

Figure 1. SKETCH MAP OF THE FLAT TOP-VILATIE HYDE NOS. 1-3 CLAIMS, RICHARD VOPAT, ET. AL., SHOWING LOCATION OF STAGE 1 AND 2 DRILL HOLES AND PROPOSED DRILL HOLES FOR STAGE 3, McKINLEY COUNTY, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 29, 1954

Memorandum

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

From: E. M. Connors

Subject: DMEA 3190, Contract Idm-2672 (Uranium) Flattop Mining Company (Flat Top-Vilatic Hyde claims Nos. 1, 2, and 3) McKinley County, New Mexico - Recommendation for Stage III of the contract

Stage II of the subject contract was completed during October 1954. A total of 30 holes were drilled under Stage II, totaling 2,304 feet.

From the results of the work completed under the first and second stages of the contract, it now appears that chances are less than favorable for finding ore deposits of substantial size; however, there is yet the possibility that some ore bodies are present of smaller size.

Further exploration appears to be justified and the plan for Stage III drilling as submitted by the operator is recommended. The location of these holes is shown on figure 1 of Hilpert's report dated November 13, 1954. The hole coordinates are shown on the map submitted by the operator.

It is recommended that Stage III of the contract, consisting of 48 holes and an aggregate footage of not more than 3,600 feet, be approved and the operator notified to proceed with the work.

W. H. Salsbury
For
E. M. Connors
Mining Engineer

cc 8
2672
DMEA Chron.

EMC/pah

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

November 26, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3190, Contract idm-E672, Richard Vopat, et al, results of stage 2 drilling and proposed stage 3 drilling

Transmitted herewith are 10 copies of an interim memorandum report by Lowell S. Hilpert on the above subject DMEA project.

Mr. Hilpert gives 3 reasons for recommending approval of Stage 3 drilling, two of which cannot be considered as objectives of a DMEA program of exploration. However, it appears probable that some ore may be discovered by additional drilling and thus Stage 3 exploration is warranted.

E. M. Hackman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (10)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. BOX 360
COLORADO PLATEAU DISTRICT
GRAND JUNCTION, COLORADO

November 22, 1954

Memorandum

To: A. H. Koschmann, Supervising Geologist, DMEA Field Team, Region IV

From: Arnold L. Brokaw, District Supervisor

Subject: DMEA 3190, contract Idm-E 672, Richard Vopat, et al, results of stage 2 drilling and proposed stage 3 drilling.

Transmitted herewith are 10 copies of an interim memorandum report by Lowell S. Hilpert, covering the above-referenced DMEA project.

Although this project has been unsuccessful in the first two stages in finding ore-grade material, Hilpert recommends that stage 3 drilling be completed because the spacing of the holes already completed in stages 1 and 2 are such that ore bodies can exist between the completed holes.

Locations of proposed drill holes in stage 3 are shown on the attached map.

W P Williams
For Arnold L. Brokaw

WPW/mlr

Enclosures

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COLORADO PLATEAU DISTRICT

Grants, New Mexico
November 13, 1954

Memorandum

To: A. L. Brokaw, District Supervisor

From: L. S. Hilpert

Subject: DMEA 3190, Richard Vopat, et al., results of stage 2 drilling and proposed stage 3 drilling

Stage 2 drilling has been completed on the Flat Top-Vilatie Hyde claims Nos. 1-3, DMEA docket 3190, contract No. Idm-E 672, Richard Vopat, et al.

For stage 2, 30 holes were drilled, each one located at the center of each of the 30 squares whose corners were defined by the holes drilled under stage 1 (see map). The primary purpose of this pattern was to get more detailed information on the contour of the Todilto-Entrada contact before attempting to find the ore bodies. The detailed reasoning for this plan was presented in the memorandum of October 8, 1954, from Hilpert to Brokaw.

Of the 30 holes drilled under stage 2, only one was completely negative in response to the gamma-ray probe. The other 29 showed anomalies that ranged from 0.005 to 0.09 percent eU_3O_8. These values may be about twice as great as the actual U_3O_8 values they represent, as was the case on the adjoining Flat Top claims Nos. 4 and 5 of Four Corners Exploration Company. Of the 29 holes that registered anomalies, only 8 are likely to have much significance as far as being in the proximity to ore is concerned. These 8 holes each register maximum anomalies of 0.02 percent eU_3O_8 in the lower part of the Todilto limestone, where exprerience has shown the anomalies are most significant.

Stage 2 drilling has indicated the structure of the Todilto-Entrada contact is essentially the same as found by stage 1 drilling. In only one place near the center of the claim area, the contact steepens, which may indicate a structure the operators consider favorable for ore.

From the work that has been done, it now appears that chances are less than favorable for finding ore deposits of substantial size on these claims, although there is yet the possibility that some ore bodies are present that will have tonnages within the range of about 1,500 to 3,000 tons each. Although it now seems unlikely that the Government can expect to be completely repaid for its share of the cost for the exploration from the expected discoveries, I believe it is still to the Government's interest that the stage 3 drilling be completed, for the following reasons:

1. The information obtained will assist materially in determining the size, grade, trend, habits, and distribution of the deposits in the Todilto limestone. This information will be of great value in determining the type and extent of DMEA assistance that should be given on adjoining properties, and in appraising the total resources of the district and region.

2. It will provide the opportunity for the Government to make a detailed experimental in-hole gamma-ray study.

3. It will likely result in the discovery of some ore and, perhaps, as much as several thousand tons.

Vopat, of course, is still hopeful that a substantial tonnage of ore will be discovered under stage 3 drilling. Even though it might be, more drilling will be required before any discoveries can be outlined and sampled adequately for mining. Vopat realizes this and still believes the risk is good enough on his part to desire that stage 3 drilling be done. Accordingly, the following plan of drilling for the 48 holes permitted under stage 3 has been formulated and has my approval:

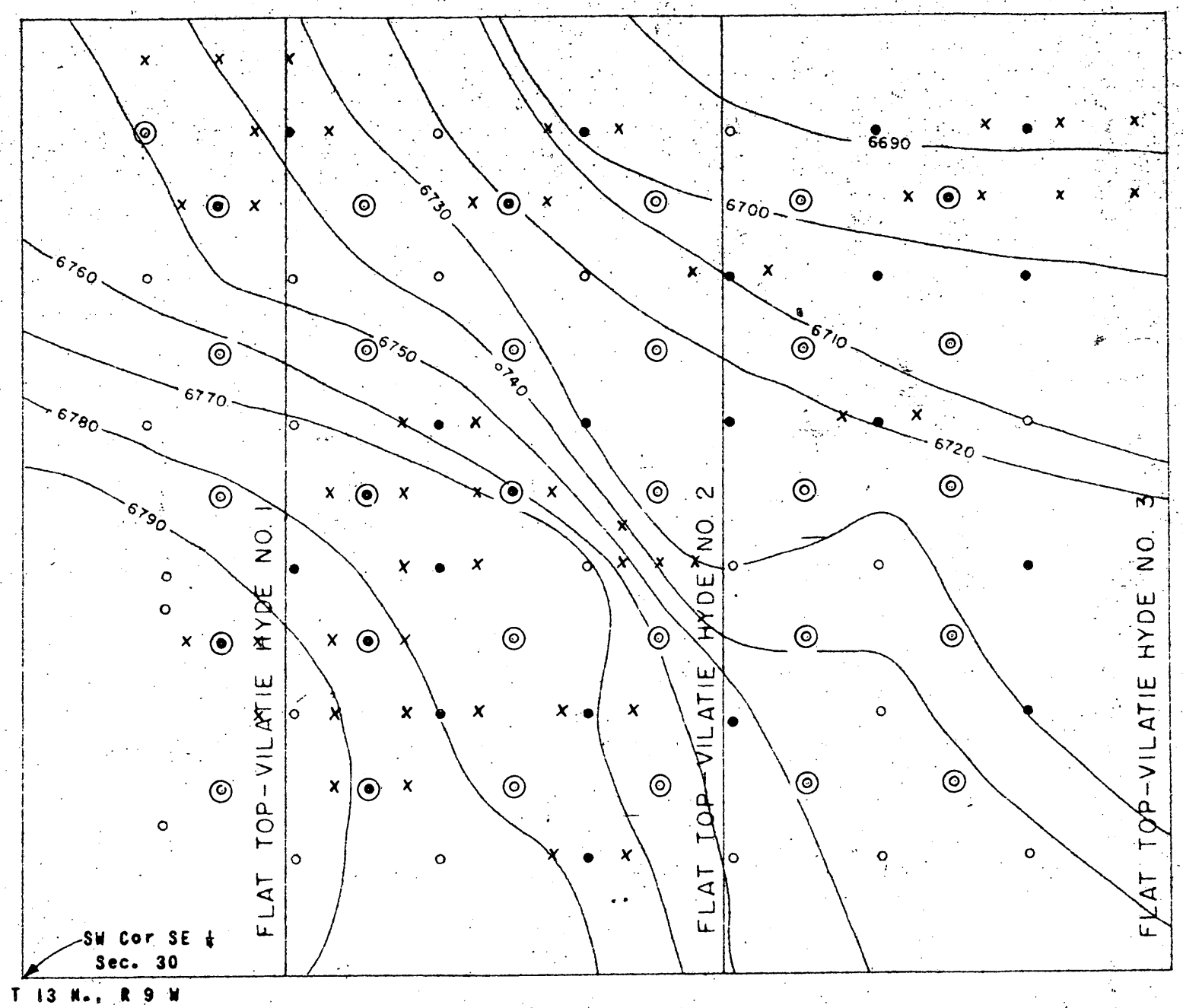
1. The 19 holes drilled under stages 1 and 2 that have the most significant in-hole anomalies be offset by holes 50 feet on either side. These 38 proposed holes are located along east-west trending lines planned to intersect the general northward trend of the known deposits in adjoining ground (see attached map).

2. Three proposed holes shown in the north end of the Flat Top-Vilatie Hyde No. 1 claim and three proposed holes shown near the northeastern corner of the Flat Top-Vilatie Hyde No. 3 claim are planned to intersect the projected extension of nearby ore bodies on adjacent properties.

3. Four proposed drill holes shown in the center of the claim group are planned to search for ore on the steep part of the Todilto-Entrada contact.

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3190



EXPLANATION

- ● STAGE 1 DRILL HOLE COMPLETED, SHOWING A SIGNIFICANT IN HOLE GAMMA-RAY ANOMALY
- ○ STAGE 1 DRILL HOLE COMPLETED
- ◉ STAGE 2 DRILL HOLE COMPLETED SHOWING A SIGNIFICANT IN HOLE GAMMA-RAY ANOMALY
- ◎ STAGE 2 DRILL HOLE COMPLETED
- × STAGE 3 DRILL HOLE, PROPOSED LOCATION

N

200 0 400 FEET

CONTOUR INTERVAL 10 FEET

CONTOURS ON TODILTO-ENTRADA CONTACT

Figure 1. SKETCH MAP OF THE FLAT TOP-VILATIE HYDE NOS. 1-3 CLAIMS, RICHARD VOPAT, ET. AL., SHOWING LOCATION OF STAGE 1 AND 2 DRILL HOLES AND PROPOSED DRILL HOLES FOR STAGE 3, McKINLEY COUNTY, NEW MEXICO

Prop[illegible]d Stage 3 Drill Holes, D[illegible]EA 3190, Contract Idm-E672

It is now proposed that in Stage 3 the better anomalys of the first two stages be offset. Also several holes are proposed to investigate structure possibilities. Also several holes are proposed to approach known ore bodies on adjoining lands to the north and east.

A map has been prepared which is attached to this file showing all drilling results to date and showing proposed Stage 3 drilling locations.

While Stages 1 and 2 have resulted in no penetration of ore grade mineralization it is not at all safe to predict that these claims are negative. All drilling so far has been done strictly on pattern and no offsets on anomalys or for structure reasons have yet been made. The only safe deduction which can be made at present is that no tremendously large ore bodies such as was found on Flat Top 4 will be found. However there most certainly is ample room for several normal sized ore bodies (1,500 to 5,000 tons) between the holes drilled to date and in our opinion Stage 3 drilling should be carried on to completion.

No chemical assays seem necessary at this time on the basis of showings to date. We prefer to reserve budgeted assays for confirmation of actual discovery.

This narrative report is prepared by Mr. F. O. Manol of the Four Corners Exploration Company at the request of the writer. Any additional information which may be required will be gladly furnished.

Very truly yours,

Richard Vopat
601 Court St.
Scott City, Kansas

PROPOSED THIRD STAGE DRILLING LOCATIONS
DMEA #3190 CONTRACT IDM[illegible]-672

No.	HOLE NO.	REASON FOR SELECTION OF SITE
1	L.6-1.75	Proximity to known ore holes on north
2	L.6-2.75	" " " " " " "
3	L.6-3.75	" " " " " " "
4-*	K.6-3.25	To offset probe anomaly
5-*	K.6-4.25	" " " "
6-*	K.6-7.25	" " " "
7-*	K.6-8.25	" " " "
8-*	K.6-13.25	" " " "
9-*	K.6-14.25	" " " "
10-*	K.6-15.25	Proximity to known adjoining ore holes on east
11	J.6-2.25	To offset probe anomaly
12	J.6-3.25	" " " "
13	J.6-6.25	" " " "
14	J.6-7.25	" " " "
15	J.6-12.25	" " " "
16	J.6-13.25	" " " "
17	J.6-14.25	" " " "
18-*	J.6-15.25	Proximity to known adjoining ore on east
19-*	I.6-9.25	To offset probe anomaly
20-*	I.6-10.25	" " " "
21-*	G.6-5.25	" " " "
22-*	G.6-6.25	" " " "
23-*	G.6-11.25	" " " "
24-*	G.6-12.25	" " " "
25-*	F.6-4.25	" " " "
26-*	F.6-5.25	" " " "
27	F.6-6.25	" " " "
28	F.6-7.25	" " " "
29-*	F.1-8.25	To investigate structurally favorable area
30-*	E.6-8.25	" " " " "
31-*	E.6-8.75	" " " " "
32-*	E.6-9.25	" " " " "
33	E.6-5.25	To offset probe anomaly
34	E.6-6.25	" " " "
35	D.6-2.25	" " " "
36	D.6-3.25	" " " "
37	D.6-4.25	" " " "
38	D.6-5.25	" " " "
39	C.6-3.25	" " " "
40	C.6-4.25	" " " "
41	C.6-5.25	" " " "
42	C.6-6.25	" " " "
43	C.6-7.25	" " " "
44	C.6-8.25	" " " "
45-*	B.6-4.25	" " " "
46-*	B.6-5.25	" " " "
47-*	A.6-7.25	" " " "
48-*	A.6-8.25	" " " "

*--Preferred drilling locations

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

224 New Customhouse
Denver 2, Colorado

December 1, 1954

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3190 (Uranium), Contract Idm-E672, Flattop Mining Company (Flattop-Vilatie Hyde Claims Nos. 1, 2, and 3) McKinley County, New Mexico. Operator's Monthly Progress Report for the period October, 1954

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of October 1954.

W. H. King

W. H. King

Enclosures

Copy to: W. M. Traver, w/copy of report

sub
chron

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U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
DEC 6 1954

Administrative Audit Difference Statement

Date: [illegible]
Payee's
Reference: [illegible]

[illegible]

Upon examination of the above Payee's reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ [illegible]

Difference $ [illegible]

Amount Approved $ [illegible]

The reason for the difference was due to:

[illegible]

[illegible]

[illegible]

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N.E.Stokes
Audit Section

R-IV-B & F Form No. 4
4-15-52 D

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

WASHINGTON 25, D. C.

November 19, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3190 (Uranium) Contract Idm-E672, Flattop Mining Company (Flattop-Vilatie Hyde claims Nos. 1, 2, and 3) McKinley County, New Mexico. Operator's Monthly Progress Report for the period October 1954.

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

A disallowance is to be made for 54 feet of drilling at $0.90 per foot or $48.60, and 98 feet of casing at $0.50 per foot or $49.00. These footages are in excess of amounts as allowed by contract. In addition an amount of $250.00 is to be withheld from the payment due the operator pending resolution of matters pertaining to Stage III work.

Remarks:

Date of Report	November 8, 1954
Date Received in Field Office	November 12, 1954
Date Received in Region Office	November 18, 1954

John F. Shaw
for W. H. King

Enclosures

RDB:dm
cc: Sec. to Oper. Comm. (2)
Subject
WMTraver
JWTownsend
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 17, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

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

Subject: DMEA 3190, Contract I4n-2672 (Uranium) Flattop Mining Company (Flattop-Vilatic Ryde claims Nos. 1, 2, and 3) McKinley County, New Mexico - Progress report for October 1954 (Stage II of the contract)

Enclosed are the original and four copies of the above progress report, the second one--forms MF-104 and MF-104A, with narrative, geologic report, sketch map, and one copy of driller's logs--and the original and six copies of H. M. Connor's memorandum covering his inspection of the surface drilling progress and checking the reporting forms. The contract is unit cost on short form MF-200(A) and documentation is not required.

On the routine monthly inspection made November 3, 1954, Connors verified the completion of Stage II under the contract, rotary drilling in 30 holes for 2,304 feet and casing 1,398 feet. The contract, however, allows only 2,250 feet of drilling and casing to the top of the Todilto limestone which according to the driller's logs in this instance amounts to 98 feet more than the contract allows. Accordingly, disallowances are made for 54 feet of drilling at 90 cents a foot or ~~$97.60~~ and 98 feet of casing at 50 cents a foot or $49.00, a total of $97.60. Otherwise, the accounts are acceptable as work was performed in accordance with the terms of the contract and amendments thereto. Corresponding corrections will, of course, be required in the cumulative totals on the forms. $48.60 Berk

The $97.60 disallowance subtracted from $2,872.60 claimed by the contractor leaves $2,775.00. Of this amount, 90 percent, or $2,497.50, is approved for payment and certified on the MF-104 forms.

W. M. Trever

W. M. Trever

enclosures

cc 6
2672
DMEA Chron.

WMT/pah

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 16, 1954

Memorandum

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

From: E. M. Cannera

Subject: MMRA 3190, Contract Idm-2672 (Uranium) Flattop Mining Company (Flattop-Vilatie Hyde claims Nos. 1, 2, and 3) McKinley County, New Mexico - Progress report for October 1954 (Stage II of the contract)

The subject project was visited on November 3, 1954, to inspect the progress made under Stage II of the contract which had been completed.

A total of 30 holes have been drilled under Stage II of the contract and are acceptable.

A total of 2,304 feet of drilling in Stage II is claimed by the operator. The driller's logs show 2,294 feet and the contract allows 2,250 feet of drilling in this stage.

Casing was used in all Stage II holes from the surface to the top of the Todilto limestone. The operator claims 1,598 feet of casing which agrees with the driller's log but is 98 feet more than the contract allows. The driller's logs are shown in tabulated form in the following table:

Table 1.
Condensed Driller's Logs

Hole No.	Feet	Alluvium and Summerville Feet	Todilto Feet	Entrada Bottom Hole
B.6-2.75	0	15	27	32
D.6-2.75	0	18	32	37
F.6-2.75	0	34	48	53
J.6-2.75	0	61	87	92
J.6-4.75	0	65	93	98
H.6-4.75	0	59	75	80
F.6-4.75	0	37	49	54
D.6-4.75	0	25	39	44
B.6-4.75	0	20	30	35
B.6-6.75	0	23	43	48
D.6-6.75	0	30	46	51

Hole No.	Feet	Alluvium and Summerville Feet	Tedilto Feet	Entrada Bottom Hole
F.6-6.75	0	41	55	60
H.6-6.75	0	57	77	82
J.6-6.75	0	75	99	104
J.6-8.75	0	91	115	120
H.6-8.75	0	76	96	101
F.6-8.75	0	61	85	90
D.6-8.75	0	47	59	64
H.6-8.75	0	53	71	76
B.6-8.75	0	27	43	48
J.6-10.75	0	97	121	126
H.6-10.75	0	83	97	102
F.6-10.75	0	68	78	83
D.6-10.75	0	54	72	77
F.6-12.75	0	68	84	89
H.6-12.75	0	85	99	104
J.6-12.75	0	90	118	123
D.6-12.75	0	55	71	76
B.6-12.75	0	50	70	75
B.6-10.75	0	45	65	70
Totals 30		1,598	2,144	2,294

Drilling is allowed for 2,850 feet of hole at $0.90 per foot or a total of $2,085.00 which is 54 feet less than the footage of 2,304 claimed by the operator and $48.60 less than the $2,073.60 submitted by the operator.

Casing is allowed for 1,500 feet of hole at $0.50 per foot or a total of $750.00. The additional 98 feet of casing and $49.00 as submitted by the operator is disallowed.

The disallowances for Stage II total $97.60. The approved costs of Stage I totals $3,136.60 and for Stage II is $2,775.00 making an approved grand total of $5,931.60 for Stage I and Stage II.

All work appears to have been done in a workmanlike manner and according to the terms of the contract. It is recommended that the Government's share of the approved costs, 90 percent of $2,775.00, or $2,497.50, be paid to the operator.

F. W. Everett, for
H. N. Connors
Mining Engineer

cc 6
B672
BMA Chron.

HNC/pah

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Budget Bureau No. 42-R1036.5

RECEIVED DEC 6 1954

Month of October, 1954 Docket No. DMEA 3190 Contract No. Idx-5072
Operator's Name Richard Vopat et al Minerals Uranium
Address 601 Court St., Scott City, Kansas
Contract Amount, $11,007.80 Government Participation: 90 % Amount, $ 9,906.75

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	$2,872.60	$3,176.70	$6,049.30			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$2,872.60	$3,176.70	$6,049.30			

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 11-3-54 *Payee Richard Vopat et al

Per Richard Vopat Title Operator

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2247.50

Signature Randall R. Cooper
(Authorized Certifying Officer)

Date 11-22-54 Vou. No. DMA-55-35

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E672 in accordance with the terms of the contract.

Signature Hugh M. Lamore #2,497.50 Title Mining Engineer Date Nov. 15, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.B.

Signature W. H. KING Title Executive Officer Date NOV 19 1954

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

Defense Minerals Administration
RECEIVED
DEC 8 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1954 Docket No. DMEA 3190 Contract No. Ida-5.672
Operator's Name Richard Voyat et al Minerals Uranium
Address 601 Court St., Scott City, Kansas

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling ~~Core~~ Rotary	.90'	2,075.00	2,304	4,623.30	5,157	.90'	2,250	2,025.00
~~Churn~~ Casing	.50'	799.00	1,598	799.00	1,598	.50'	1,500	750.00
~~Jet~~ Mud Mill Auger	.50'	—0—	—0—	627.00	2,090	.50'	2,050	1,025.00
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		2,874.00		6,049.30				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$2,874.00		$6,049.30				$11,007.60

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

Date 11-8-54 Operator Richard Voyat et al

Per Richard Voyat Title Operator

Remarks This report covers entirely Stage 1 and Stage 2 of the project

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

GEOLOGIC REPORT

Hole No.	Depth to Limestone	Out of Limestone	Maximum Probe Count	Remarks
B.6-2.75	15'	27'	.01%	Trace near top, not too impressive
D.6-2.75	18'	32'	.03%	Count in bottom of lime
F-6-2.75	34'	48'	.005%	Traces near top, not too impressive
J.6-2.75	81'	87'	.03%	Traces 61'-72½' & 79'-82½'
J.6-4.75	65'	93'	.01%	" 69½'-79½' & 86'-86½'
H.6-4.75	59'	75'	.005%	Traces top of lime, not too impressive
F.6-4.75	37'	49'	.06%	This count bottom of lime
D.6-4.75	25'	39'	.02%	Traces throughout lime
B.6-4.75	20'	30'	.09%	This count bottom of lime
B.6-6.75	23'	43'	.01%	Traces from 23' to 32½'
D.6-6.75	30'	46'	.005%	Traces 31½'-34' & 43½'-46'
F.6-6.75	41'	55'	.04%	" 41½'-45½' Count bottom lime
H.6-6.75	57'	77'	.005%	" 60' to 64½'
J.6-6.75	76'	99'	.02%	Traces 79½'-83½' & Count 94'-95½'
J.6-8.75	91'	115'	.005%	Traces from 98½' to 102½'
H.6-8.75	78'	96'	.01%	Count 83'-84'--traces 84½'-85'
F.6-8.75	61'	85'	.005%	Traces 70'-71½' appears negative
D.6-8.75	47'	59'	.005%	Traces near top, not too impressive
H.6-2.75	53'	71'	.005%	" " " " " "
B.6-8.75	27'	43'		Completely negative
J.6-10.75	97'	121'	.005%	Traces from 101' to 106'
H.6-10.75	83'	97'	.005%	Traces in top, not too impressive
F.6-10.75	62'	78'	.005%	Traces 65'-68½' & 74½'-75½'
D.6-10.75	54'	72'	.01%	Count 55½' to 60½'
F.6-12.75	62'	84'	.01%	This count 67' to 82½'
H.6-12.75	85'	99'	.005%	Trace in top, not too impressive
J.6-12.75	90'	118'	.03%	Traces from 90' to 107½'
D.6-12.75	55'	71'	.005%	Traces 57' to 61' & 66½' to 68½'
B.6-12.75	50'	70'	.005%	Traces near top, not too impressive
B.6-10.75	45'	65'	.01%	Traces from 45'-52' & 62'-64½'

NARRATIVE REPORT FOR
DMEA Docket No. 3190
Contract Ida-2672
Month of October, 1954

All 30 holes in Stage 2 of the subject contract have been drilled, logged, and sample cuttings collected and placed in storage. In Stage 2 it was decided to use casing rather than mud on these particular claims because the ground here is unusually difficult to hold open on account of sand and gravel in what appears to be an old river bed. While some of the holes would stand up with the mud drilling process their locations are not precisely predictable and therefore it was decided a uniform procedure would be best.

The following summarizes drilling results of Stage 2.

1 Hole completely nil.				
13 Holes	.005%	maximum	probe	anomaly
7 Holes	.01%	"	"	"
3 Holes	.02%	"	"	"
3 Holes	.03%	"	"	"
1 Hole	.04%	"	"	"
1 Hole	.06%	"	"	"
1 Hole	.09%	"	"	"
30				

It is now proposed that in Stage 3 the better anomalys of the first two stages be offset. Also several holes are proposed to investigate structure possibilities. Also several holes are proposed to approach known ore bodies on adjoining lands to the north and east.

A map has been prepared which is attached to this file showing all drilling results to date and showing proposed Stage 3 drilling locations.

While Stages 1 and 2 have resulted in no penetration of ore grade mineralization it is not at all safe to predict that these claims are negative. All drilling so far has been done strictly on pattern and no offsets on anomalys or for structure reasons have yet been made. The only safe deduction which can be made at present is that no tremendously large ore bodies such as was found on Flat Top 4 will be found. However there most certainly is ample room for several normal sized ore bodies (1,500 to 5,000 tons) between the holes drilled to date and in our opinion Stage 3 drilling should be carried on to completion.

No chemical assays seem necessary at this time on the basis of showings to date. We prefer to reserve budgeted assays for confirmation of actual discovery.

This narrative report is prepared by Mr. F. O. Hanel of the Four Corners Exploration Company at the request of the writer. Any additional information which may be required will be gladly furnished.

Very truly yours,

Richard Vopat

Richard Vopat
601 Court St.
Scott City, Kansas

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

224 New Customhouse
Denver 2, Colorado

October 26, 1954

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3190 (Uranium) Contract Idm-E672, Flattop Mining Company (Flattop-Vilatie Hyde claims No. 1, 2, and 3), McKinley County, New Mexico.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the months of July, August, and September 1954.

W. H. King

W. H. King

Enclosures

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

Administrative Audit Difference Statement

Date:
Payee's
Reference: August
and September, 1954

Richard Vopat
Flattop Mining Company
601 Court Street
Scott City, Kansas

Upon examination of the above Payee's reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed	$ 3176.70
Difference	$ 20.10
Amount Approved	$ 3156.60

The reason for the difference was due to:

17 feet Diamond Drilling at $0.90 per foot	15.30
16 feet Drilling with Bentonite mud at $0.30 per foot	4.80

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N.E.Stokes
Audit Section

R-IV-B & F Form No. 4
4-15-52 D

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
OCT 28 1954

October 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3190 (Uranium) Contract Idm-E672
Flattop Mining Company (Flattop-Vilatie Hyde claims No. 1, 2, and 3) McKinley County, New Mexico.
Operator's Monthly Progress Report for the period July, August, and September 1954.

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 90 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

The following amounts are to be disallowed as the reported footages are not in agreement with footages drilled as reported on driller's logs:

17 ft. Diamond Drilling at $0.90/ft.	$15.30
16 ft. Drilling with Bentonite Mud at $0.30/ft.	4.80
Total Disallowance	$20.10

Remarks:

Date of Report	September 23, 1954
Date Received in Field Office	September 27, 1954
Date Received in Region Office	October 12, 1954

W. H. King

Enclosures
RDB:dm
cc: Sec. to Oper. Comm. (2)
WMTraver
Subject
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Minerals Administration
RECEIVED
OCT 28 1954

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
October 8, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

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

Subject: DMEA 3190, contract Idm-R672 (Uranium) Flattop Mining Company (Flattop-Vilatic Hyde claims Nos. 1, 2, and 3) McKinley County, New Mexico - Progress report for July, August, and September 1954 (Stage I of the contract)

Enclosed are the original and four copies of the above progress report, the initial one--forms MF-104 and MF-104A, with narrative, sketch map, and copy of driller's logs--and the original and six copies of J. N. Soule's memorandum covering his inspection of the surface drilling progress and checking the reporting forms. The contract is unit cost on short form MF-200(A) and documentation is not required.

Soule' inspected the project on October 5, 1954, and verified the drilling progress and accepts the contractor's claim except for minor disallowance explained in his memorandum. These include 17 feet of drilling at 90 cents a foot and 16 feet of drilling with bentonite mud at 30 cents a foot, totaling $20.10. Otherwise the accounts are in order and work was performed in accordance with the contract and amendments thereto.

The $20.10 disallowance subtracted from $3,176.70 claimed by the contractor leaves $3,156.60. Of this sum 90 percent, or $2,840.76, is approved for payment and certified on the MF-104 forms.

You will note that 41 holes were actually drilled but only 33 charged to the project as 8 of the holes were reportedly drilled prior to the effective date of the contract.

W. M. Brewer

enclosures

cc 4
R672
DMEA Chron.

WMB/pam

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 28 1954

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
October 7, 1954

Memorandum

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

From: J. H. Soule'

Subject: DMMA 3190, contract Idm-2672 (Uranium) Flattop Mining Company (Flattop-Vilatie Hyde claims Nos. 1, 2, and 3) McKinley County, New Mexico - Progress report for July, August, and September 1954 (Stage I of the contract)

The subject project was visited on October 5, 1954, to inspect the progress made under Stage I of the contract. At the time of the visit, Stage I had been completed and the operators were ready to start Stage II.

A total of 41 holes were drilled of which 8 were not charged to the project. These 8 holes were started prior to July 1, 1954, and were done for assessment work and reportedly prior to the starting date of the contract. The drilling of the 33 holes charged to the project was started on August 31, 1954, which is well in advance of the September 20, 1954 starting date allowed by Amendment No. 2 to the contract. The starting date of the project is approved.

A total of 2,833 feet of drilling is reported for Stage I. The operator's geologic logs do not show the depths of the holes. However, according to the driller's logs, a summation of the hole depths totals only 2,816 feet, some 17 feet less than reported by the operator. Approval is given for 2,816 feet of drilling.

According to the geologic log, a total of 2,656 feet was drilled to the bottom of the Todilto limestone. This is at variance with the driller's logs which show 2,651 feet, a difference of 5 feet. This is important because it is stated in the contract that the holes are to be drilled 5 feet below the bottom of the Todilto limestone. The 2,651 feet reported in the driller's logs plus 5 feet for 33 holes, 165 feet, equals 2,816 feet, the total approved from the driller's logs. It may be that a more careful logging of the holes would place the bottom of the Todilto limestone at a different level than noted by the driller. It seems that the differences are due, in a large part, to errors in the geologic logs so approval is given to the driller's logs and it is deemed that the holes did not exceed the 5-foot depth below the bottom of the Todilto limestone.

Variance also is noted in the depths to the top of the Todilto limestone. This is the basis for determining the casing or drilling with

bentonite mud that will be charged to the project. The operator reports 2,090 feet of drilling with bentonite mud. According to the driller's logs, this total is only 2,074 feet and this is at variance with itself as the hole depths during the mud drilling and the starting depths of the limestone drilling are not always in agreement. However, it seems that the 2,074 feet of mud drilling can be approved. The 2,090 feet reported by the operator is not approved. The driller's logs are shown in tabulated form in the following table:

Table 1

Condensed Driller's Logs

Hole No.	Feet	Alluvium and Bumpyville Feet	Tollite Feet	Redrock Bottom of hole
06-1.75	0	44	52	57
36-1.75	0	54	76 (64)	81
56-1.75	0	69	85	90
56-3.75	0	69	92(93)	97
36-3.75	0	63	83	88
06-3.75	0	44	60	65
36-5.75	0	34	48	53
06-5.75	0	50	66	71
36-5.75	0	68	90	95
56-5.75	0	81	103	108
56-7.75	0	95 99	125	130
36-7.75	0	89	99	104
06-7.75	0	53 (69)	67 (87)	72
56-7.75	0	33	45	50
06-9.75	0	47	63 (59)	68
56-9.75	0	60	86	89
06-9.75	0	69	87	92
36-9.75	0	89	105	110
56-9.75	0	103	123	128
56-11.75	0	105	125	130
36-11.75	0	86	104	109
06-11.75	0	65	91	96
56-11.75	0	55	73	78
06-11.75	0	49	65	70
A6-11.75	0	41	61	66
A6-13.75	0	40	56	61
06-13.75	0	54	74	79
36-13.75	0	67	81	86
06-13.75	0	78	96	101
36-13.75	0	65 83	103	108
56-13.75	0	99	121	126
B-2	0	12	20	25
E-187.5	0	20	28	33
Totals - 33		3074	3651	3816

Figures in parenthesis ( ) reported by the operator.
Figures underlined are discrepancies in driller's logs.

Drilling is allowed at a rate of $0.90 per foot. For the approved 2,816 feet the approved cost of drilling is $2,534.40. Drilling with bentonite mud is allowed at a rate of $0.30 per foot and for the approved total of 2,074 feet of such drilling, costs of $622.20 are indicated. The approved costs chargeable to the project total $3,156.60. The costs as reported by the operator on forms MF-104 and MF-104A are $2,549.70 for drilling and $627.00 for the use of bentonite mud. This totals $3,176.70 which is $20.10 over the approved total.

The results obtained in the drill holes were not very encouraging although some were interesting. Radiometric logs indicated a high of 0.09 percent U_3O_8 down to mil. A few holes (5) contained 0.04 percent U_3O_8 or more, and it seems indicated that these holes be broadened with offset drilling. The 0.09 assay was noted above the Sudito limestone and was not deemed important.

All work seems to have been done in a workmanship like manner and, with minor variations, according to the terms of the contract. It is recommended that the Government's share of the approved costs, 90 percent of $3,156.00, or $2,840.94, be paid to the operator.

John H Soule

J. H. Soule'
Mining Engineer

cc 6
2672
DMEA Chron.

JHS/pam

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Budget Bureau No. 42-R1036.4
Defense Minerals Administration
Approval Expires 6-30-53.
RECEIVED
OCT 28 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1954 Docket No. DMEA 3190 Contract No. Idm-E672
Operator's Name Richard Vopat et al Minerals Uranium
Address 601 Court St., Scott City, Kansas
Contract Amount, $ 11,007.50 Government Participation: 90% Amount, $ 9,906.75

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	$3,176.70	None	$3,176.70			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$3,176.70	None	$3,176.70	3156.60		3156.60

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 9/23/54 *Payee Richard Vopat et al

Per Richard Vopat Title Operator

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2840.94

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 10/22/54 Vou. No. DMA-55-28
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E672 in accordance with the terms of the contract.

Signature John A Soule $2,840.76 Title Mining Engineer Date Sept. 28, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: L. DB.

Signature W H King Title Executive Officer Date OCT 13 1954

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1954 Docket No. DMEA 3190 Contract No. Idm-E672
Operator's Name Richard Vopat et al Minerals Uranium
Address 601 Court St., Scott City, Kansas

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: ~~Core~~ Rotary	90 ft	$2,549.70	2,833	$2,549.70	2,833	.90	3,075	$2,767.50
~~Churn~~ Rotary	30 ft	$ 672.00	2,090	$ 627.00	2,090	.30	2,050	$1,025.00
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$3,176.70		$3,176.70				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$3,176.70		$3,176.70				$11,007.50

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

Date 9-23-54 Operator Richard Vopat et al

Per Richard Vopat Title Operator

REMARKS: This report covers entirely Stage No. 1 of the project.
Only 33 of the 41 holes authorized in Stage 1 of this contract are charged herewith
8 holes were drilled prior to the effective date of contract entirely at operator's own expense

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment"; "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

NARRATIVE REPORT I
DMCA Docket No. 3190
Contract Ldm-2-672
Month of September, 1954

All 41 holes in Stage I of the subject contract have been drilled, logged, and sample cuttings collected and placed in storage. Only 33 of these 41 Stage I holes are being billed against authorized contract costs because 8 holes were drilled prior to the effective date of the contract entirely at the operator's own costs.

Of the 41 primary holes only 13 were completely negative. The other 28 holes had varying amounts of traces though in no instance was an ore body perforated. The ore bearing Todilto Limestone formation was found in all holes, varying in thickness from a minimum of 8 feet to a maximum of 26 feet.

The fact that an ore body was not perforated in Stage I drilling, which was done on 200 foot centers, was not in the least surprising. In fact as favorable as the ground is the odds are definitely against the location of an ore body on such wide spacing. All operators in this area working with their own funds on ground such as Flat Top Claims 1, 2 and 3 drill the ground on 100 foot centers and ever then locate substantial ore bodies from trace showings, without a direct hit into an ore grade hole with economic thickness. It must be kept in mind that the character of the ore bodies in this section of ground are long and narrow following fractures, making ore, pinching out and making ore again. Very seldom, so far, have the ore bodies attained a width of 50 feet with 30 feet being more nearly average.

Perhaps right now it might be well to mention that on DMCA Contract #3089 on claims adjoining on the east, which were drilled concurrently, two hits were made into high grade ore of substantial thickness on border line holes, one of them showing six feet of 1[illegible] ore (approximation pending assays). This is mentioned at this time to establish the fact that now the subject claims have known ore bodies within a very short distance in all directions, north, south, east and west, and that so far in Section 30 no explored area as large as Flat Top 1, 2, and 3 has been without an ore body.

As regards to Stage 2 drilling, while there are now some holes which warrant offsetting we believe it advisable to remain on overall broad grid drilling. That is, we suggest the next 30 holes be used in the centerpoints of the 200 foot blocks and thereby shortening basic grid distances.

Such a program will of course help to define the structure contour of the Todilto-Entrada contact. This is important in locating fracture zones and localized synclinal areas which seem to be related to the deposition of ore. With the added information we will be able to make wiser use of Stage 3 drilling which will be directed at actual discovery in the most select areas.

NARRATIVE REPORT FO
DMEA Docket No. 3190
Contract Idm-2672
Month of September, 1954
(continued)

We are enclosing a structure contour map drawn up on the information we now have. While it shows some disturbed areas we think that with a re-drawal of the same after proposed Stage 2 drilling we will be able to make much keener observation, and of course it is possible that such Stage 2 drilling might result in discovery.

Further we request authorization to continue on Stage 3 drilling immediately upon completion of Stage 2 drilling. There all ready are several favorable areas and undoubtedly there will be more upon completion of proposed Stage 2.

No chemical assays seem necessary at this time on the basis of showings to date. We prefer to reserve budgeted assays for confirmation of actual discovery.

This narrative report is prepared by Mr. F. O. Manol of the Four Corners Exploration Company at the request of the writer. Any additional information which may be required will be gladly furnished.

Very truly yours,

Richard Vopat

Richard Vopat
601 Court St.
Scott City, Kansas

GEOLOGIC REPORT

Hole No.	Depth to Limestone	Out of Limestone	Maximum Probe Count	Remarks
G.6 1.75	44'	52'		Completely Negative
I.6 1.75	54'	64'		" "
K.6 1.75	69'	85'		" "
A.6 3.75	14'	28'		" "
C.6 3.75	13'	27'	.09%	Count near top, not too impressive
E.6 3.75	26'	36'	.01%	Trace throughout lime
G.6 3.75	46'	60'	.005%	Trace top of lime, appears negativ
I.6 3.75	63'	83'		Completely negative
K.6 3.75 *	69'	93'	.02%	This trace 6' from top of lime about 1' thick
A.6 5.75	17'	29'	. 01%	We question this count, think it to be counter drift
C.6 5.75	24'	40'	.02%	We question this count, think it to be counter drift.
E.6 5.75 *	34'	48'	.02%	This trace 11' from top of lime- about 1' thick
G.6 5.75 *	50'	66'	.08%	Traces 3' thick 10' from top of lime
I.6 5.75	68'	90'		Completely negative
K.6 5.75	81'	103'	.005%	Traces in top of lime, appears negative
A.6 7.75 *	8'	29'	.04%	Scattered traces throughout lime
C.6 7.75	30'	44'	.04%	Traces throughout lime
E.6 7.75	33'	45'		Completely negative
G.6 7.75 *	69'	87'	.01%	Scattered traces 71½' to 75½'
I.6 7.75	89'	99'		Completely negative
K.6 7.75 *	99'	125'	.02%	Scattered traces 106' to 113½'
A.6 9.75	29'	50'		Completely negative
C.6 9.75 *	47'	59'	.005%	Scattered traces 49' to 58'
E.6 9.75	60'	84'		Completely negative
G.6 9.75 *	69'	87'	.005%	Continous traces, 72½' to 75½'
I.6 9.75 *	89'	105'	.04%	Scattered traces, 91' to 103½'
K.6 9.75	103'	123'		Completely negative
A.6 11.75	41'	61'		Completely negative
C.6 11.75	49'	65'	.005%	Traces on top, appears negative
E.6 11.75	55'	73'	.005%	" " " " "
G.6 11.75 *	65'	91'	.02	Scattered traces, 75' to 88'
I.6 11.75 *	86'	104'	.005%	Continous traces, 90' to 93½'
K.6 11.75 *	105'	125'	.005%	Continous traces, 107' to 110½'
A.6 13.75	40'	56'		Completely negative
C.6 13.75 *	54'	74'	.005%	Scattered traces, 58½ to 67'
E.6 13.75 *	67'	81'	.005%	Contionous traces, 75½' to 78'

GEOLOGIC RECORD (Continued)

Hole No.	Depth to Limestone	Out of Limestone	Maxium Probe Count	Remarks
G.6 13.75	78'	96'		Completelt negative
I.6 13.75*	83'	103'	.005%	Continous traces, 88½' to 93'
K.6 13.75*	99'	121'	.04%	Continous trace throughout
B-2	12'	20'	.005%	Traces top of lime, appears negative
E-187.5	20'	28'		Completely negative

* Indicates holes to be considered for offsetting.

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

RECEIVED
OCT 21 1954

224 New Customhouse
Denver 2, Colorado

October 20, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Flattop Mining Company, McKinley County, New Mexico

Enclosed are three copies of work authorization, dated October 18, 1954, for the performance of certain work under Contract Idm-E672. Also enclosed are three sets of data relevant thereto.

W. H. King

W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

October 18, 1954

Mr. Richard Vopat,
Agent of a partnership dba
Flattop Mining Company
601 Court Street
Scott City, Kansas

Re: Docket DMEA 3190 (Uranium)
Contract Idm-E672

Dear Mr. Vopat:

Consistent with the stipulations contained in Exhibit "A", caption "Description of the Work", subheading "Stage 2" of Contract Idm-E672, and confirming verbal approval of October 4, 1954, the drilling under "Stage 2" will be performed at the locations indicated by the symbol "x" on the map titled "Map Showing Drill Holes Completed in Stage 1 and Proposed Locations of Holes in Stage 2, DMEA Contract Idm-E672, Richard Vopat, et. al., Grants District, McKinley County, New Mexico" which is attached to and made a part of this approval. The drilling under "Stage 2" will be performed in conformance with all specifications in Contract Idm-E672 pertaining thereto.

Nothing in this work authority shall be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Very truly yours,

W. H. King
W. H. King

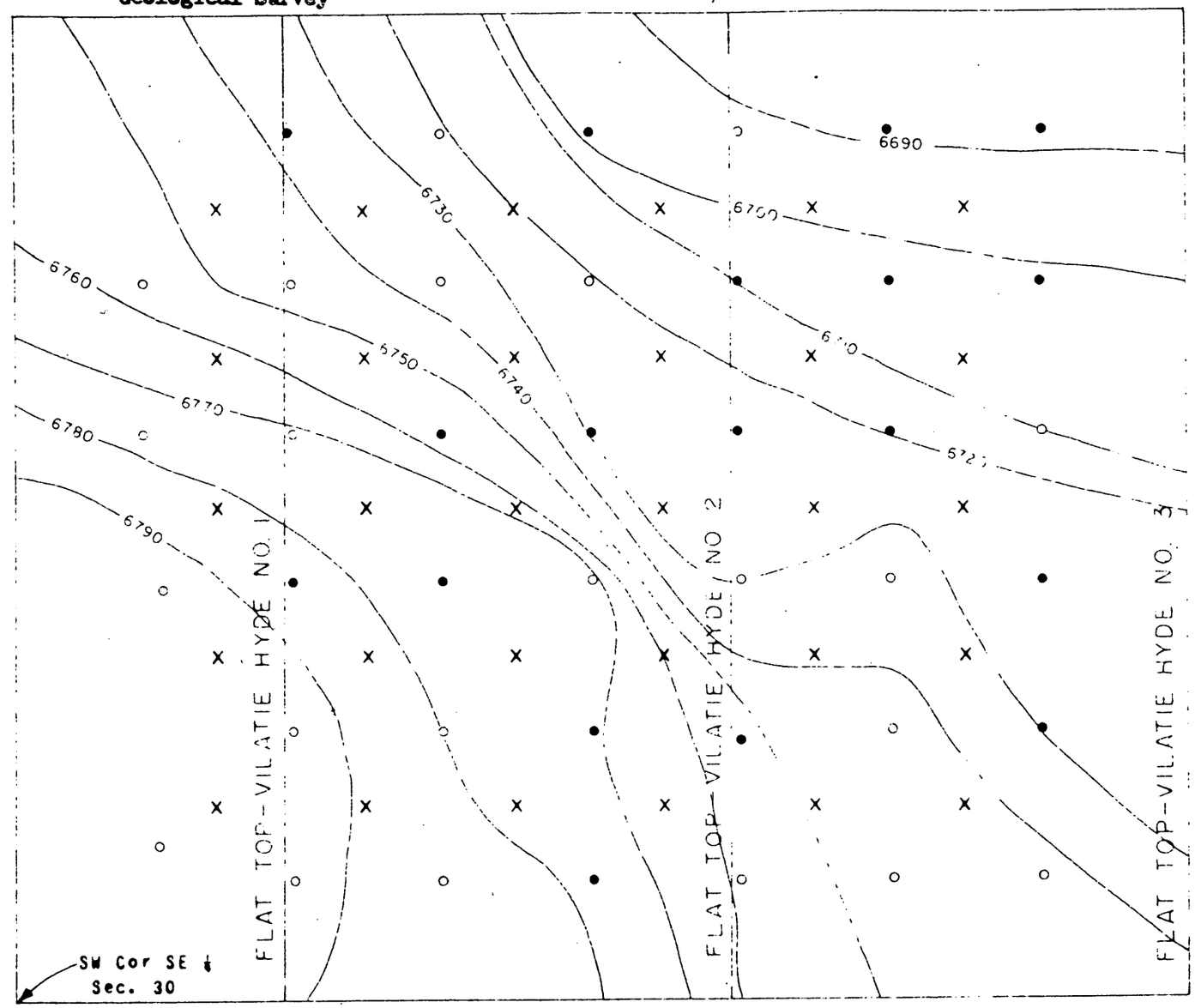
for E. M. Hardman
A. H. Koschmann

DMEA Field Team, Region IV

JWT:jp
cc Subject
Amendment
Chron
TAChristensen w/enc
AHKoschmann "
ALBrokaw "
WMTraver "
JWTownsend "
Chairman, Op. Comm. (3) w/enc
Irving Rappaport, P.O.Box 101, Grants, N.M.

U.S. Department of the Interior
Geological Survey

Defense Minerals Exploration Administration
Docket 3190



T 13 N., R 9 W

EXPLANATION

● STAGE 1 DRILL HOLE COMPLETED. SHOWING SIGNIFICANT RADIOMETRIC ANOMALY

○ STAGE 1 DRILL HOLE COMPLETED

X STAGE 2 DRILL HOLE. PROPOSED LOCATION

N

200 0 400 FEET

CONTOUR INTERVAL 10 FEET

CONTOURS ON TODILTO ENTRADA CONTACT

MAP SHOWING DRILL HOLES COMPLETED IN STAGE 1 AND PROPOSED LOCATIONS OF HOLES IN STAGE 2, DMEA CONTRACT IDM-E 672, RICHARD VOPAT, et. al.,
GRANTS DISTRICT, MCKINLEY COUNTY, NEW MEXICO

Denver Library
RECEIVED
OCT 21 1954

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COLORADO PLATEAU DISTRICT
P. O. BOX 360
GRAND JUNCTION, COLORADO

October 8, 1954

Memorandum

To: A. H. Koschmann, DMEA Field Team, Region IV E.M.H. for A.H.K.

From: Arnold L. Brokaw, District Supervisor

Subject: DMEA 3190, Richard Vopat, et al., McKinley County, New Mex.

Transmitted herewith are eleven copies of a memo report by L. S. Hilpert, USGS, covering the above-referenced DMEA project.

In his memo report Hilpert states that although first-stage drilling in the project, which has now been completed, was not successful in finding mineralized material of ore grade, the results obtained were favorable enough to warrant drilling 30 additonal holes in stage 2 of the contract. The proposed locations of drill holes for stage 2 are shown on an attached map.

WPWilliams
For Arnold L. Brokaw

WPW/mlr

Enclosures

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COLORADO PLATEAU DISTRICT
P. O. BOX 360
GRAND JUNCTION, COLORADO

October 8, 1954

Memorandum

To: A. L. Brokaw, District Supervisor

From: L. S. Hilpert

Subject: DMEA 3190, Richard Vopat, et al., results of stage 1 drilling and proposed stage 2 drilling

Stage 1 drilling has been completed on the Flat Top-Vilatie Hyde claims Nos. 1-3, DMEA docket 3190, contract No. Idm-E672, Richard Vopat, et al. All 41 holes located under the original plan have been completed, of which eight were drilled at the owners' expense prior to the start of work under contract Idm-E672. The remaining 33 holes were drilled under the contract (see attached map).

All 41 holes penetrated the Todilto limestone, which ranges from 8 to 26 feet in thickness within the area drilled. This thickness is great enough to contain substantial ore bodies and it compares favorably with the thicknesses in adjoining areas where ore has been found. Ore deposits have been discovered on all four sides of these three claims, which should make the Vopat property even more favorable for ore discovery than it was at the time of the DMEA application.

LSH/mlr

Of the 41 holes drilled, radiometric anomalies were registered in 24, of which 18 may be in the proximity of ore (see map). No chemical assays of the cuttings from any of the holes have been determined, but the equivalent U_3O_8 values seem to be fairly reliable. The highest reading obtained was 0.08 percent eU_3O_8 (hole No. G-6-5.75), which is less than the ore-grade cutoff of 0.10 percent U_3O_8. The holes that registered the 18 more significant anomalies are shown on the attached map.

For stage 2, Richard Vopat (who represents the group that holds the Flat Top-Vilatie Hyde claims Nos. 1-3) proposes drilling each of the 30 holes permitted under this stage at the center of each of the 30 squares whose corners are defined by the holes drilled under stage 1 (see map). The primary reason for this pattern is to get more detailed information on the contour of the Todilto-Entrada contact before attempting to find the ore bodies. These are the reasons why this information justifies taking this approach.

1. Within the general vicinity of the Flat Top-Vilatie Hyde claims, the general information now available suggests that most of the known ore bodies are related to fault or fold structures that are reflected along the Todilto-Entrada contact.
2. Although these structures are small--seldom having a throw or closure of more than a few feet--they are a larger target than the ore deposits themselves.

3. Although most everyone in the Grants area believes the ore deposits have haloes of low-grade material, they also agree that such haloes are not present in every instance and that low-grade anomalies are oftentimes merely anomalies and not related to, or contiguous with, values that lead to ore.
4. Known ore deposits within the vicinity of the Flat Top-Vilatie Hyde claims are small. The average size has an areal dimension of about 30 feet by 150 feet and is about 6 feet thick.
5. The trends of the long axes of the known deposits are still too few in number and erratic to be more than merely suggestive of any predominant trend.

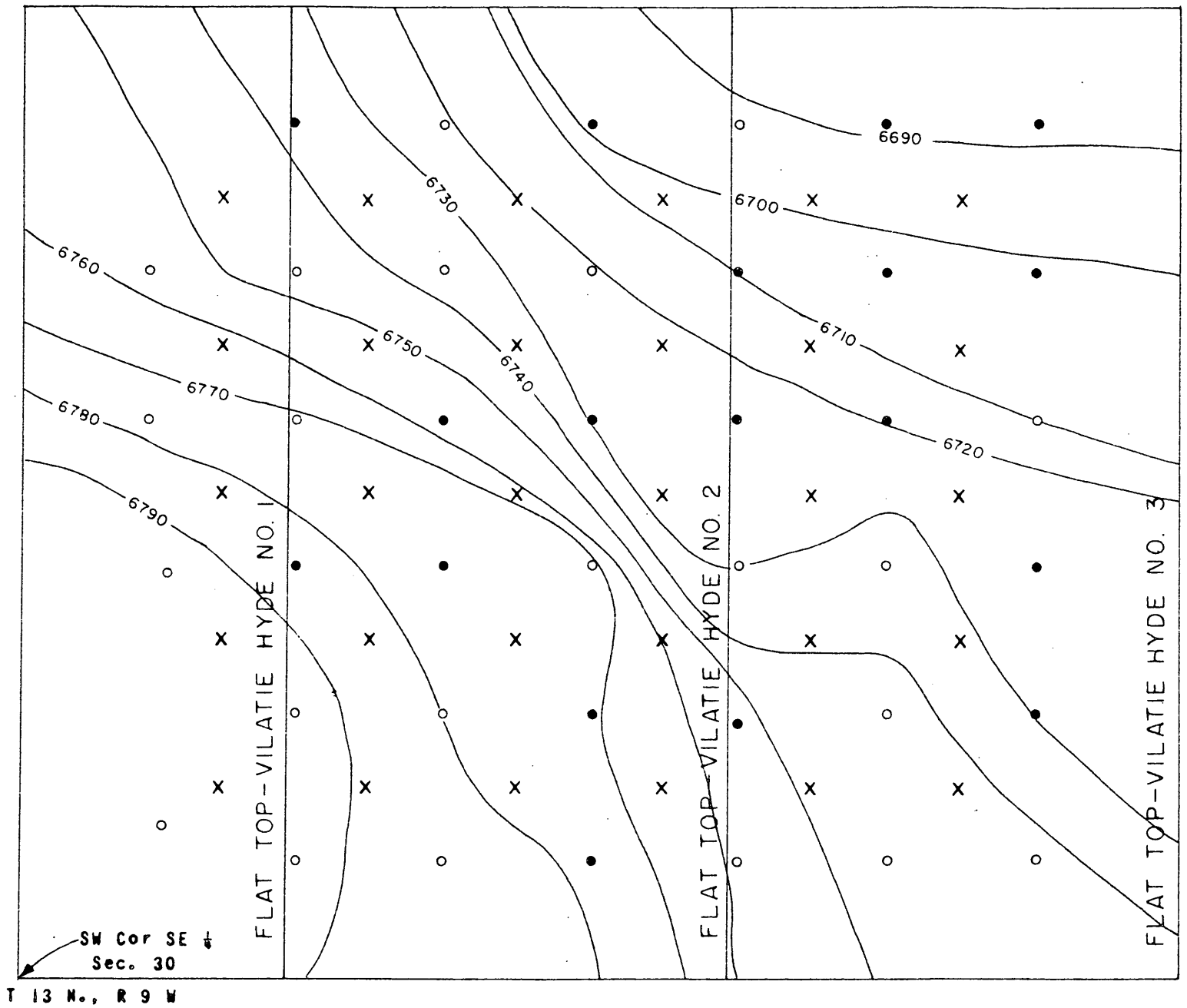
Drilling, therefore, in stage 2 to search for ore deposits by the guidance mostly of the low-grade anomalies could result in the expenditure of considerable drill-hole footage for any ore discovery made. Vopat's plan will postpone the actual search for ore bodies, but stands a reasonable chance of providing structural information that will narrow the search for the most favorable ground. This could result in making more efficient and effective use of the stage 3 drilling. It will also provide valuable geologic information for appraising the uranium resources of the district.

I, therefore, endorse Vopat's plan of drilling.

LSH/mlr

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET 3190



EXPLANATION

● STAGE 1 DRILL HOLE COMPLETED, SHOWING SIGNIFICANT RADIOMETRIC ANOMALY

○ STAGE 1 DRILL HOLE COMPLETED

X STAGE 2 DRILL HOLE, PROPOSED LOCATION

N

200 0 400 FEET

CONTOUR INTERVAL 10 FEET

CONTOURS ON TODILTO-ENTRADA CONTACT

MAP SHOWING DRILL HOLES COMPLETED IN STAGE 1 AND PROPOSED LOCATIONS OF HOLES IN STAGE 2, DMEA CONTRACT IDM-E 672, RICHARD VOPAT, et. al., GRANTS DISTRICT, MCKINLEY COUNTY, NEW MEXICO

September 9, 1954

Memorandum

To: Hazel Berry, Operating Committee

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

Subject: Approval of amendment

Amendment No. 2, dated September 3, 1954, to Contract No. Idm-E672, Docket No. DMEA-3190, Richard Vopat, et al, executed by the Operator and the Executive Officer, Region IV, has been reviewed and approved by Mr. Ching.

/s/ Grace L. Ault

Grace L. Ault

Date Sept. 9, 1954

To: Mr. Ching

Docket No. DMEA-3190 Richard Vopat, et al
Contract No. Idm-E672
Attached is Amendment No. 2, dated Sept. 3, 1954

to be reviewed.

Approved M. Ching

Other action —

Please return this slip to me for my records.

Mrs. Ault

9/9/54 gle

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

224 New Customhouse
Denver 2, Colorado

September 3, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Flattop Mining Company, Flattop-Vilatie Hyde Claims No. 1, 2 and 3, McKinley County, New Mexico

Enclosed are the original and two copies of Amendment No. 2 to Contract Idm-E672 which has been executed to extend the period for start of the project work to prior to September 20, 1954 and extend the period for completion of the project work to prior to December 10, 1954. Also enclosed are three copies of the operator's letter requesting the amendment.

Copies of the amendment have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our files.

W H King

W. H. King

Enclosures

C O P Y

Scott City, Kansas
August 2, 1954

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse
Denver 2, Colorado

Re: Docket No. 3190
Contract IDM-E-672

Dear Mr. King:

Pursuant to the long distance telephone call with you this forenoon, August 2nd., I am enclosing herewith signed copies of the Amendment to our Contract IDM-E-672.

The Four Corners Exploration Company of Grants, New Mexico, have advised me that it will be September 20th. before they can start on our drilling program. Therefore we would like to have an extension on our Starting date to September 20th. 1954. If possible we will try to secure the services of another drilling contractor in the Grants area to do the First Stage of our exploration project.

As soon as I receive the signed copies of Owner's Consent to Lien which I sent to Mr. F. O. Hamel, Grants, New Mexico for signatures I will forward them to you.

Very truly yours,

/s/ Richard Vopat
601 Court St.
Scott City, Kansas

9/9/54 gla

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

224 New Customhouse
Denver 2, Colorado

September 3, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Flattop Mining Company, Flattop-Vilatie Hyde Claims No. 1, 2 and 3, McKinley County, New Mexico

Enclosed are the Government, Division, and Docket copies of Amendment No. 1 to Contract Idm-E672 which was prepared in Washington and signed by the Administrator, DMEA, for the Government, and forwarded by your letter of July 12, 1954 for signature by the operator.

A new Royalty Annex was added and in conjunction therewith new Owner's Consent to Lien forms were forwarded from the Washington office for signature by the owners. In process of having the new Owner's Consent to Lien forms signed by the owners the forms prepared by the Washington office were lost and it was necessary to prepare a new set which was done on the form revised July 1, 1954 in lieu of the older form supplied by you.

Relative to the new Owner's Consent to Lien forms, you requested that, if alive, Arthur W. Hyde should sign the new form. In that regard, Mrs. Vilatie W. Hyde does not want her husband, Arthur W. Hyde, to sign the original Owner's Consent to Lien as he has deeded his interest in the property to her. A copy of the Quitclaim Deed is attached. Therefore, we have not attempted to obtain Arthur W. Hyde's signature on the new Owner's Consent to Lien.

Copies of the amendment have been given to the operator, the Finance Office, Region IV, and a copy has been retained for our files.

W. H. King

W. H. King

Enclosures

700

JUL 2 1954

F. W. H. King
Executive Officer
GSA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. [illegible]A-3190 (Uranium)
Contract No. Idm-1672
Flat Top-Vilatie Mule Claims
Nos. 1, 2 and 3
McKinley County, New Mexico

Dear Mr. King:

In connection with your teletype of June 18 and memorandum of June 24, 1954, regarding the subject project, there are enclosed the original and five copies of a proposed Amendment No. 1 executed by the Administrator.

As a new royalty annex has been added and the agreed estimated total cost of the project has been increased, it is necessary to obtain a new Owner's Consent to Lien on the attached forms. In this connection it is noted that Arthur W. Kyle did not sign the Owner's Consent to Lien attached to the contract. If alive, he should sign the new one.

While Amendment No. 1 is made up for the signature of all five partners, in view of the Power of Attorney, dated May 15, 1954, granted Richard Tepat, latter's signature alone will be sufficient.

The amendment does not include an extension of the starting date inasmuch as the 90 days requested appeared excessive when added to the 60 days already allowed. It occurred to us that the Operator may have meant an extension from 60 days to 90 days. Therefore, will you kindly draw up an Amendment No. 2 to cover whatever extension is actually required.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures (6)

Approved:

J. H. Hedges

Member, Bureau of Mines

Philip W. Guild

Member, Geological Survey

MChing/am
7-1-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. A.P.Butler, Jr., Rm.3212, GSA
J.O.Hosted, Rm.3210, GSA
H.H.Kaiser, Rm.3641
Code 700
Mr. Ching

7-8-54

T. Eldridge:

Legal does not feel that it is up to them to explain the proposed split participation. Rubin put it in originally thinking that was the thing to do although this division had no intention of doing so to begin with. We went along thinking it was advisable from a legal standpoint. Legal says it is up to us as to what is wanted, so we have gone back to a straight 90% participation.

We understand this is the usual procedure in similar cases and is quite fitting in this case.

The new lien forms are correct as provided.

M. Ching

Cost of casing would have been allowed at 90 % per bag on original entries, if it had been found that casing was necessary. Subsequent experience has led to that it is necessary. Consequently it should be allowed @ 90 % per bag.

J.J.

June 30, 1954

Memorandum

To: The Administrator
Through: Mr. E. W. Ellis

From: Acting Assistant Solicitor

Subject: Richard Vopat, et al., doing business as Flattop Mining Company, Docket No. DMEA-3190 (Uranium) Contract Idm-E672

Attached is Amendment No. 1 to the subject contract in satisfactory legal form for execution.

The Operator is a lessee, and the Owner's Consent to Lien in this case is on the old form. Therefore, as we have added a new royalty annex and increased the agreed estimated total cost of the project, the Operator should be required to obtain a new Owner's Consent to Lien on the forms which we have attached for this purpose.

It is noted that Arthur Hyde did not sign the Owner's Consent to Lien attached to the contract. If alive, he should sign the new one.

J. L. Hofflund

For J. L. Hofflund
Acting Assistant Solicitor

Attachments 12

HCRubin:ep

Copy to: Docket
Mr. Ellis (2)
Mr. Hofflund
Mr. Rubin
Chron.

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

June 28, 1954

Memorandum

To: Acting Assistant Solicitor

From: Ernest Wm. Ellis, Chief
Rare and Miscellaneous Metals Division

Subject: Amendment of Contract
Docket No. DMEA-3190 (Uranium)
Contract No. Idm-E672
Flat Top-Vilatie Hyde Claims Nos. 1, 2 and 3
McKinley County, New Mexico

The attached memorandum, dated June 24, 1954, to the Chairman, Operating Committee from the Executive Officer, Region IV, with accompanying correspondence, is in answer to our teletype of June 23 regarding the subject project. The information submitted appears to furnish us with the necessary justification for amendment of the contract as requested. If you agree that these facts constitute a legal basis for amending the contract, it is requested that you draw up such an amendment along the lines recommended by the Executive Officer.

Please refer to Contract Idm-E671 and Amendment No. 1, dated June 25, 1954, attached herewith.

Ernest Wm. Ellis

Ernest Wm. Ellis

MChing/gla
cc to: Docket file
Mr. Ching
Code 700 contract file

6/28/54 gla

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

224 New Customhouse
Denver 2, Colorado

June 24, 1954

Airmail
Special Delivery

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Vopat, Young, Spencer, Heine and McNeely, dba Flattop Mining Company, McKinley County, New Mexico

Reference is made to matter discussed in our teletype to the Administrator, DMEA, of June 18, 1954, and your teletype reply of June 23, 1954.

Docket 3190, originally Docket 2897, on which Contract Idm-E672 was prepared, was examined in May 1953. Docket 3151, on adjoining property, on which Contract Idm-E671 was prepared, was examined in February 1954.

At the time Docket 2897, now Docket 3190, was examined, neither the applicant nor the examining team considered the necessity of casing the holes to the top of the Todilto limestone in order to obtain undiluted samples of the cuttings from the limestone.

However, in the interim between the field examination of Dockets 2897 and 3151 it was found from experience in drilling by the A.E.C., U.S.G.S., and the Anaconda and Santa Fe Companies, that casing or consolidation of the material above the limestone was necessary in order to obtain undiluted samples of the limestone. Therefore, that provision was incorporated in Contract Idm-E671 which is concerned with ground adjoining that concerned in Contract Idm-E672.

Contract Idm-E672, although a later Contract than Idm-E671, was in process in rough draft form several months before Contract Idm-E671, and the necessity for casing, as later developed, was inadvertently overlooked when Contract Idm-E671 was prepared in final form.

Idm-E672

For more complete information for you in the matter of casing or consolidating the material above the limestone, in conjunction with Contracts Idm-E671 and 672, we are enclosing the following material:

1. Original and three copies of the operator's letter of June 16, 1954 requesting the amendment to Contract Idm-E672 for inclusion of the casing or consolidation provision and a 90 day extension of the starting period.

2. One copy of Amendment No. 1 to Contract Idm-E671, and supporting data thereto, an amendment which is now in process under authority delegated to this office, to provide an alternate to casing the holes through consolidation of material above the limestone by wet drilling and use of aquagel in the drilling solution.

It appears to be in the interests of the Government, and we strongly recommend, that Contract Idm-E672 be amended to provide for casing or consolidation of the holes above the limestone and a 90 day extension of the starting period as requested by the operator. We further recommend that the amendment relative to the casing or consolidation be prepared in a manner similar to the provisions incorporated in Contract Idm-E671 as amended by Amendment No. 1. If your decision in this matter is favorable we further recommend that the amendment be prepared in Washington to eliminate as much delay in the matter as possible.

We have made no commitments to the operator in the matter. However, please teletype advice as to your decision so that we may inform the operator accordingly.

W. H. King

W. H. King

Enclosures

Received
June 18, 1954

Bureau of Mines
Denver, Colorado

Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Re: Docket No. 3190
Contract IDM-E-672

Attention: Mr. W. H. King

Gentlemen:

Pursuant to the long distance telephone call of 2 P.M. June 16th. between one of your staff members and Mr. Manol of Four Corners Exploration Company. We are herewith asking that the subject contract be amended to include the following additional costs:

Casing, or mud sealing with water and Aquagel, all drill holes from the surface to the top of ore bearing todilto limestone:

Stage #1;	41 holes, casing,	2050 feet @ .50	$1,025.00
Stage #2;	30 holes, casing,	1500 feet @ .50	750.00
Stage #3;	48 holes, casing,	2400 feet @ .50	1,200.00
	Additional Cost		$2,975.00

Where practical it is suggested that in lieu of casing, authorization be granted for the sealing of unconsolidated overburden by the use of Aquagel and mud to the top of the Todilto limestone at the increased rate of .30¢ per foot. This second method will result in a saving of .20¢ per foot as compared to the use of casing.

Also we have request that the subject contract be allowed a 90 day extension on the starting date to take care of the matters covered by this letter.

We want to call to your attention that the methods suggested herein have precedent in DMEA Contract, IDM-E-671. This contract is on adjoining property having similar drilling conditions as those on our contract.

We have found that it is becoming progressively more difficult to obtain the services of a drilling contractor in the Grants area, because so many lease holders there are now engaged in exploration, so we would like to plead for the greatest amount of haste in the procurement of approval to the amendments suggested herein.

Very truly yours,

Richard Kopat

Mining Division
Date Rec'd
JUN 18 1954
BUREAU OF MINES
Denver, Colorado

Grants, New Mexico
June 16, 1954

Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Re: Docket No. 3190
Contract IDM-E-672

Attention: Mr. W. H. King

Gentlemen:

Pursuant to the long distance telephone call of 2 P.M. June 16th. between one of your staff members and Mr. Manol of Four Corners Exploration Company. We are herewith asking that the subject contract be amended to include the following additional costs:

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Stage #1; 41 holes, casing, 2050 feet @ .50		$1,025.00
Stage #2; 30 holes, casing, 1500 feet @ .50		750.00
Stage #3; 48 holes, casing, 2400 feet @ .50		1,200.00
	Additional Cost	$2,975.00

Where practical it is suggested that in lieu of casing, authorization be granted for the sealing of unconsolidated overburden by the use of Aquagel and mud to the top of the Todilto limestone at the increased rate of .30¢ per foot. This second method will result in a saving of .20¢ per foot as compared to the use of casing.

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We have found that it is becoming progressively more difficult to obtain the services of a drilling contractor in the Grants area, because so many lease holders there are now engaged in exploration, so we would like to plead for the greatest amount of haste in the procurement of approval to the amendments suggested herein.

Very truly yours,

[signature]

Grants, New Mexico
June 16, 1958

BUREAU OF MINES
Denver, Colorado

Defense Minerals Exploration Administration
C-4 New Customhouse
Denver 2, Colorado

Re: Docket No. 3190
Contract IDM-E-672

Attention: Mr. W. H. King

Gentlemen:

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We want to call to your attention that the methods suggested herein have precedent in DMEA Contract, IDM-E-671. This contract is on adjoining property having similar drilling conditions as those on our contract.

We have found that it is becoming progressively more difficult to obtain the services of a drilling contractor in the Grants area, because so many lease holders there are now engaged in exploration, so we would like to plead for the greatest amount of haste in the procurement of approval to the amendments suggested herein.

Very truly yours,

Richard Kopsot

No. 1

AMENDMENT OF CONTRACT: No. I[illegible]

Contract Docket No. DMEA 2151, dated May 10, 1954, between the United States of America and Four Corners Exploration Company, a copartnership consisting of Frank O. Manol and Irving Rapaport, is hereby amended as follows, effective as of the date of the contract:

> Referring to EXHIBIT "A" attached to Exploration Project Contract Form M-[illegible](A) (February 1952), first page, last paragraph, after the first sentence, insert the following:
>
> "As an alternate to casing the holes to the top of the Todilto limestone, if satisfactory consolidation of material above the limestone can be accomplished by wet drilling with the use of aquagel in the drilling solution, such consolidation will be charged to the project work at the rate of $0.30 per foot in lieu of the $0.50 per foot stipulated for casing holes under all stages of the work. If consolidation cannot be effected by the foregoing alternate method and undiluted samples obtained to the satisfaction of the Government, then the holes must be cased to first specified.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the [illegible] contribution, [illegible] "allowable [illegible]".

Signed

FOUR CORNERS EXPLORATION COMPANY

By
Frank O. Manol, Partner

By
Irving Rapaport, Partner

[illegible] OF AMERICA

By

[illegible] Head, Region [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
P. O. Box [illegible]
Grand Junction, Colo.

May 2[illegible], 1954

Memorandum

To: W. E. King, Assistant [illegible], Field Branch, Region IV

From: W. P. Williams, [illegible] Plateau District

Subject: Docket [illegible] 315[illegible] ([illegible]), Contract [illegible]-E671, Four Corners Exploration Company, McKinley County, N.M. (wet versus dry drilling)

This is in answer to your memo of May 18, 1954, in which you request recommendations concerning the use of wet drilling and drilling muds in lieu of casing in [illegible] proposed drill holes in the subject contract.

The Atomic Energy Commission [illegible] wet drilling methods to hold water [illegible] in the upper parts of drill holes in order to obtain [illegible] drill bit cuttings from the Todilto Limestone in the Grants District, New Mexico. [illegible] Forster E. Farrow, Assistant [illegible] Engineer, [illegible] Engineering Department, Exploration Division, AEC, Grand Junction, [illegible] stated that the AEC had [illegible] good results in holding upper-hole sands in place by pumping just enough water in the hole to wet the sand. Farrow stated the sand did not appreciably contaminate the lower limestone cuttings; and the hole remained open long enough to be gamma-ray logged without difficulty with in-hole gamma-ray equipment. Mr. Farrow volunteered further that the AEC had some difficulty with cased holes because dry sand worked into the holes around the bottom of the casing.

All information I have been able to [illegible] from AEC and U. S. Geological Survey exploration [illegible], as a geologist and not as a drilling engineer, [illegible] information that it should be permissible to [illegible] use wet drilling methods in lieu of casing to avoid sample contamination. My recommendation is a general one and final decision should be on an engineering basis.

Low cost casing of metal or plastic is available so that the difference in cost between the aquagel method, [illegible] extra rig-moving and setting up involved, and the casing method would probably not be great. Costs would be appreciably less if merely a small amount of water were used in the hole.

[illegible] letter of [illegible] 22, 1952, [illegible] of sawdust and clay to seal [illegible] while [illegible] drilling the Todilto [illegible] the use of casing in [illegible] When considering [illegible] advantage. Also, [illegible] utilized the [illegible]

[illegible] concerning the [illegible] of the use of [illegible] sawdust and the sediment coming to a large [illegible]

[illegible] difficulty to form a firmly tough seal [illegible] vibration [illegible] company [illegible] very little possibility of excessive [illegible] of the sawdust.

It is recommended that the contract be amended to allow the use of sawdust and clay in lieu of casing to seal the over-[illegible] of the limestone.

Russell [illegible] Allen

Mining Engineer

CCB

RDD:j
cc Contract
Gibson
McHenry
Mikoschmann
Sec. to Oper. Com. (2)
JMcDonald

Enclosure

JWT:jp
cc Contrac.
Caron
AMKoch mann w/encl.
JWTomsond

140

DMEA

2917 H. C. Rubin 4027

DMEA - Department of the Interior
14X4401)01) Revolving Fund, Defense Production Act (Interior)
(Allocated Working Fund to the Office of the Secretary)

W. H. King, Executive Officer, DMEA Field Team, Region IV
224 New Customhouse Building, Denver, Colorado

Reurtt June 18 Docket 3190 Richard Vopat et al.

Agreed unit costs of drilling include all costs of work. See page 8 of Circular 21. If casing necessary to perform work properly, Operator must absorb all expense of it, unless you can furnish us with facts that constitute legal basis for amending contract, that is, was casing considered originally? Have physical conditions been encountered which require changed method of performing work?

George C. Selfridge

George C. Selfridge
Chairman, Operating Committee

HCRubin:ep 6-22-54

Copy to: Confirmation
Docket
Admr. Reading File
Operating Committee
Mr. A. P. Butler, Jr. Rm 3212, GSA
Mr. J. O. Hosted, Rm. 5210
Mr. H. D. Keiser, Rm 3641
Mr. Ellis
Mr. Ching
Mr. Hofflund
Mr. Rubin
Audits
Chron.
Pending

6/21/54 gla

C
O
P
Y

TELETYPE

DN 235 BUREAU MINES 6-18-54 3-46 PM

C O MITTENDORF

REFERENCE DOCKET DMEA 3190, CONTRACT IDM-E672, WOPAT, YOUNG, SPENCER, HEINE, AND MCNEELY, DBA FLATTOP MINING COMPANY. HAVE OPERATORS REQUEST FOR AUTHORIZATION OF ADDITIONAL FUNDS IN THE AMOUNT OF $2975.00 TO PROVIDE FOR CASING OF HOLES TO THE TOP OF THE TODILTO LIMESTONE WHICH IS DEEMED NECESSARY AND IS PROVIDED FOR UNDER CONTRACT IDM-E671 ON ADJOINING PROPERTY. PREPARATION OF AMENDMENT IS WITHIN THE AUTHORITY DELEGATED TO THIS OFFICE, HOWEVER WE ARE IN DOUBT AS TO LEGALITY OF ADDING ADDITIONAL FUNDS AT 90 PERCENT GOVERNMENT PARTICIPATION WHEN THE APPLICANTS REQUEST IS DATED JUNE 16,1954. PLEASE TELETYPE ADVIVE AS TO HOW WE SHOULD PROCEED IN THE MATTER, EXPEDITING YOUR DEICSION AS MUCH AS POSSIBLE.

W H KING

June 14, 1954

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault, Rare & Miscellaneous Metals Division

Subject: Region IV contract

Mr. Ching reviewed and approved Contract No. Idm-E672, dated March 10, 1954, Docket No. DMEA-3190, Richard Vopat, et al, which was finalized under Region IV delegation of authority.

I am attaching the original of a memorandum from Mr. King under date of June 8, 1954, with the original signed copy of a Power of Attorney, for attachment to the Docket copy of the contract which you are holding. Copies of these attachments are being forwarded to the Contract Administration and Audit Division for attachment to the Government Copy of the contract. The third copy of the Power of Attorney has been retained for the Division copy.

/s/ Grace L. Ault

Grace L. Ault

cc to: Contract Adm. and Audit Division
with attachments

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

224 New Customhouse
Denver 2, Colorado

May 12, 1954

REGISTERED

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3190 (Uranium), Contract Idm-E672, Richard Vopat, Avis M. Young, R. H. Spencer, Fred M. Heine, Robert B. McNeely, DBA Flattop Mining Company, McKinley County, New Mexico

Enclosed are the original and two copies of Contract Idm-E672. Also enclosed are three copies of Form 3b.

Four copies of the final report on Docket DMEA 2897, which was reassigned Docket DMEA 3190, were forwarded to you by our memorandum of August 27, 1953.

A copy of the contract has been given to the operator, the Fiscal Officer, Region IV, and a copy retained for our files.

John F. Shaw

John F. Shaw, for
A. H. King

Enclosures

RKAdams/la /5-11-54

DMEA - Department of the Interior

14 X 4401(01) Revolving Fund,
Defense Production Act, Interior
(Allocated Working Funds to the Office
of the Secretary).

T E L E T Y P E

MAY 11 1954

MR. W. H. KING, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION IV
BUREAU OF MINES
224 NEW CUSTOMHOUSE BUILDING
DENVER 2, COLORADO

REURTEL 5/10/54, CONTRACT NO. IDM-2671 ASSIGNED TO DOCKET NO. DMEA-3151, FOUR CORNERS EXPLORATION COMPANY, AND CONTRACT NO. IDM-2672 ASSIGNED TO DOCKET NO. DMEA-3190, RICHARD VOPAT, ET AL, dba FLAT TOP MINING COMPANY.

C. O. Mittendorf

C. O. MITTENDORF, ADMINISTRATOR

Copy to: Docket No. 3151
Docket No. 3190
Adm. Reading File
Mails & Files
Mr. Adams

SENT
MAY 11 1954
Clerical Service Section

APR 19 1965

Mr. W. H. King, Executive Officer
BLM Field Team, Region IV
Rm 700 Federal Building
Denver 2, Colorado

Re: Docket No. DMA-3151 (Wrucken)
Peter Cervenka Exploration Company
Flat Top Claims Nos. 4 and 5
Mullinsley Country, New Mexico

Dear Mr. King:

In accordance with your telotype of April 14 to Mr. C. G. Wilbanks we are forwarding herewith the one copy of the Mining Laws and the one copy of Figure 1 which accompanied the four copies of the subject application when originally received by you. This material is the only pertinent data in our files which you do not already have.

We are pleased to know that action on this application has now been made possible.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

J. H. Hedges

Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

Enclosures

MChing:fcc
4-16-65
cc to: Adm. Reading File
Operating Comm.
Docket
Messrs. H. D. Kaiser, USBM, Rm. 3641
A. P. Butler, Jr., USGS, Rm. 3212
Code 700
Mr. Ching
Field Team, Region IV

April 16, 1954

MEMORANDUM

To: Robert M. Adams, Operations Control and Statistics Division

From: Rare & Misc. Metals Division

Subject: Docket DMEA-3151 (Uranium)
Four Corners Exploration Company
Flat Top Claims Nos. 4 and 5
McKinley County, New Mexico

The Executive Officer, Region IV, has requested that the captioned docket be transferred to Region IV for contract processing inasmuch as the amount of aid contemplated is within his delegated authority to process, and the exploration work should conform to similar work on an adjoining property.

We are in accord with this transfer and request that you alter your records accordingly.

SIGNED

Ernest Wm. Ellis

MChing:foc
4-16-54
cc to: Adm. Reading File
Code 700
Mr. Ching
Docket

1-1027
(April 1946)

UNITED STATES
DEPARTMENT OF THE INTERIOR

AGENCY

TELETYPE

Originator:
Ext.: Room:

Appro.:
Date: April 14, 1954.
Time:
No.:
To: C. O. MITTENDORF

Subject:

EXPLORATION AID WITHIN OUR DELEGATED AUTHORITY HAS BEEN APPROVED ON DMEA-3151, URANIUM, FOUR CORNERS EXPLORATION COMPANY, MCKINLEY COUNTY, NEW MEXICO. WE ARE PROCESSING THE VOPAT CONTRACT ON ADJOINING PROPERTY AND REQUEST THAT WE PROCESS CONTRACT ON DMEA-3151 TO CONFORM. PLEASE FORWARD THE COPY OF LEASE AND ANY OTHER PERTINENT DATA IN YOUR FILE FOR USE IN PREPARING THIS CONTRACT.

W. H. KING

Authorized:

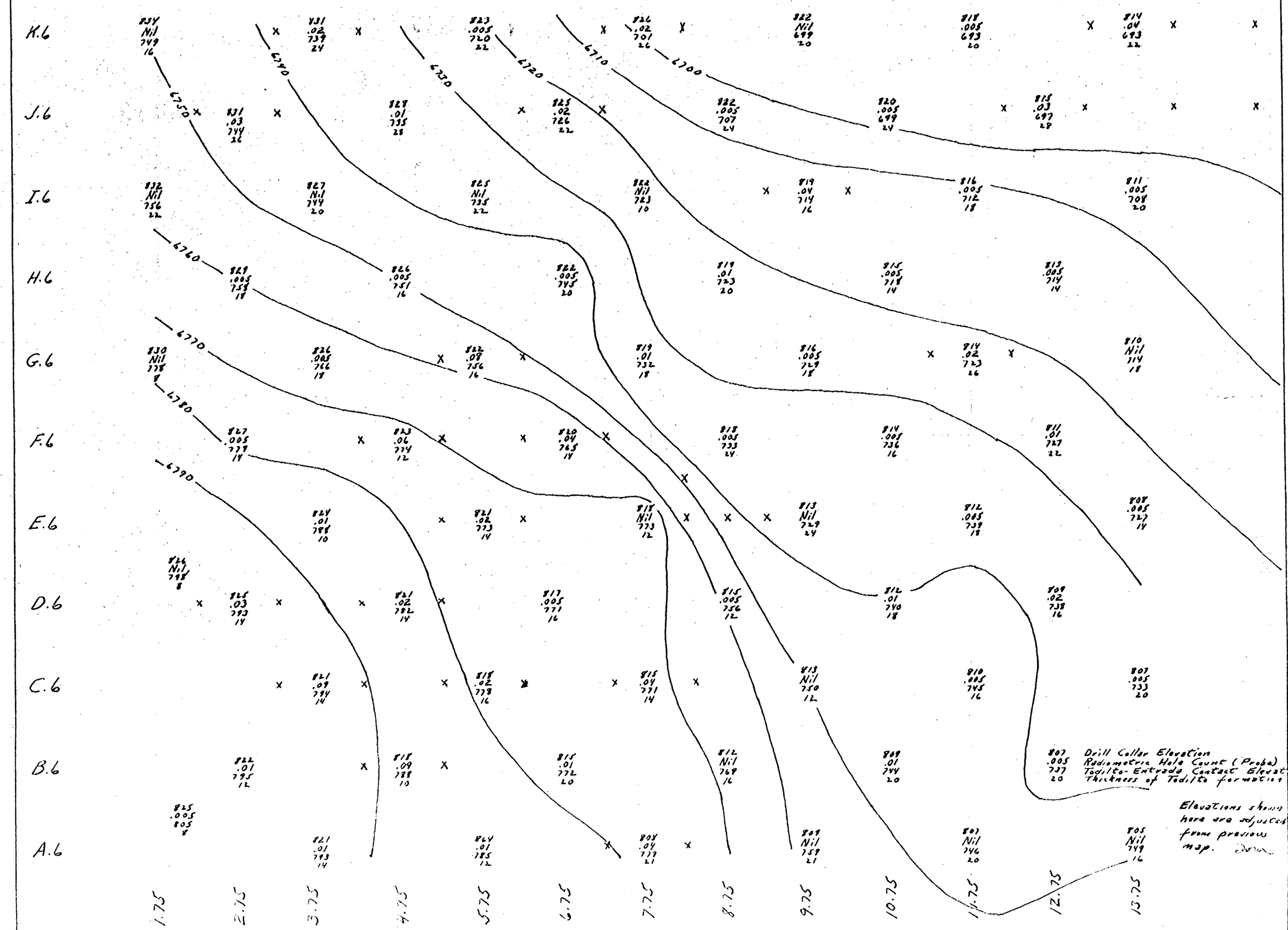
Conformation

Sign original message and transmit to Room in duplicate

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

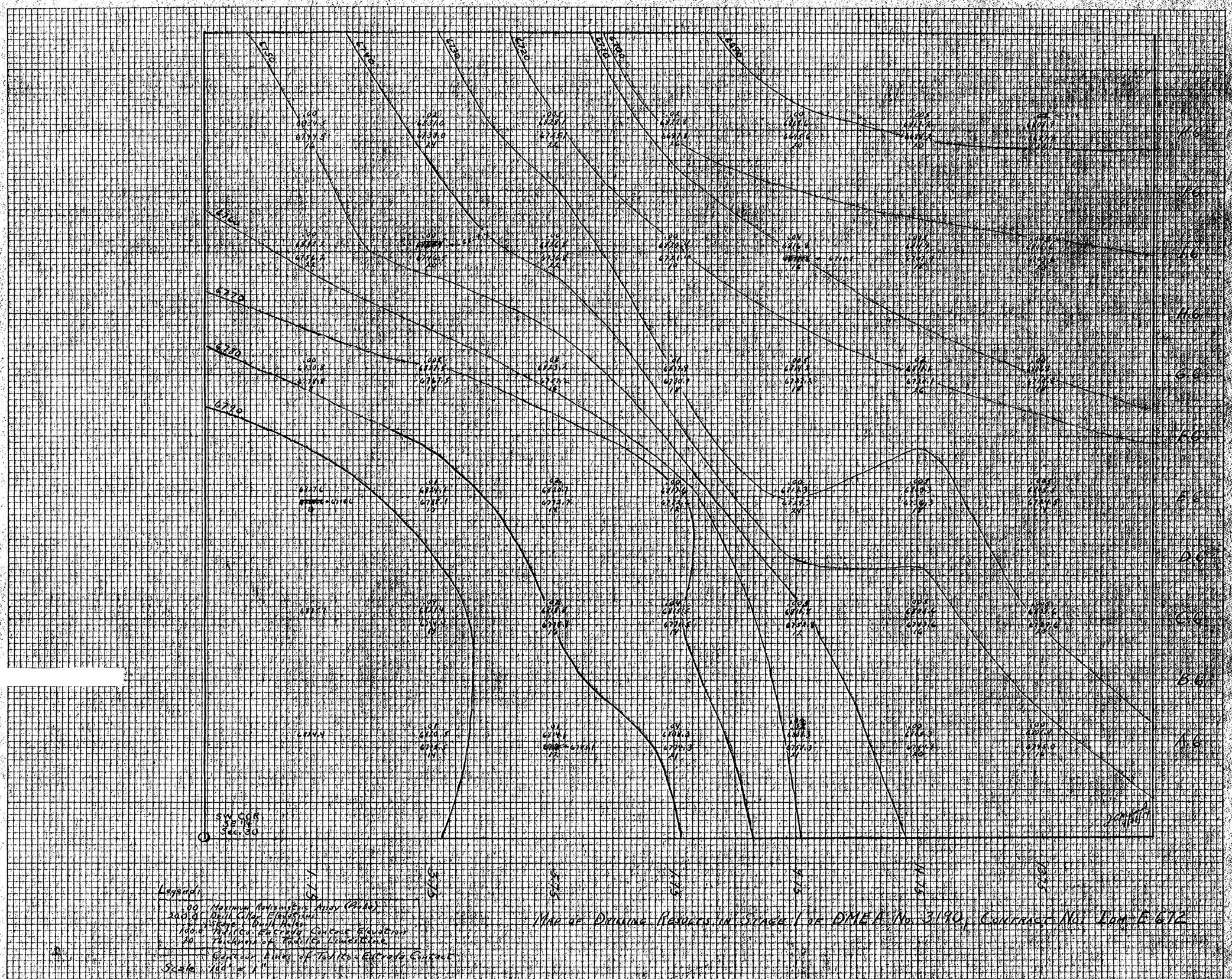
FLAT TOPS #1, 2, & 3

DMEA No. 3190 -- Contract Idm-E672



SW COR.
SE 1/4
Sec. 30

Map showing drilling results of stages 1 + 2 together with proposed drill sites for stage 3.

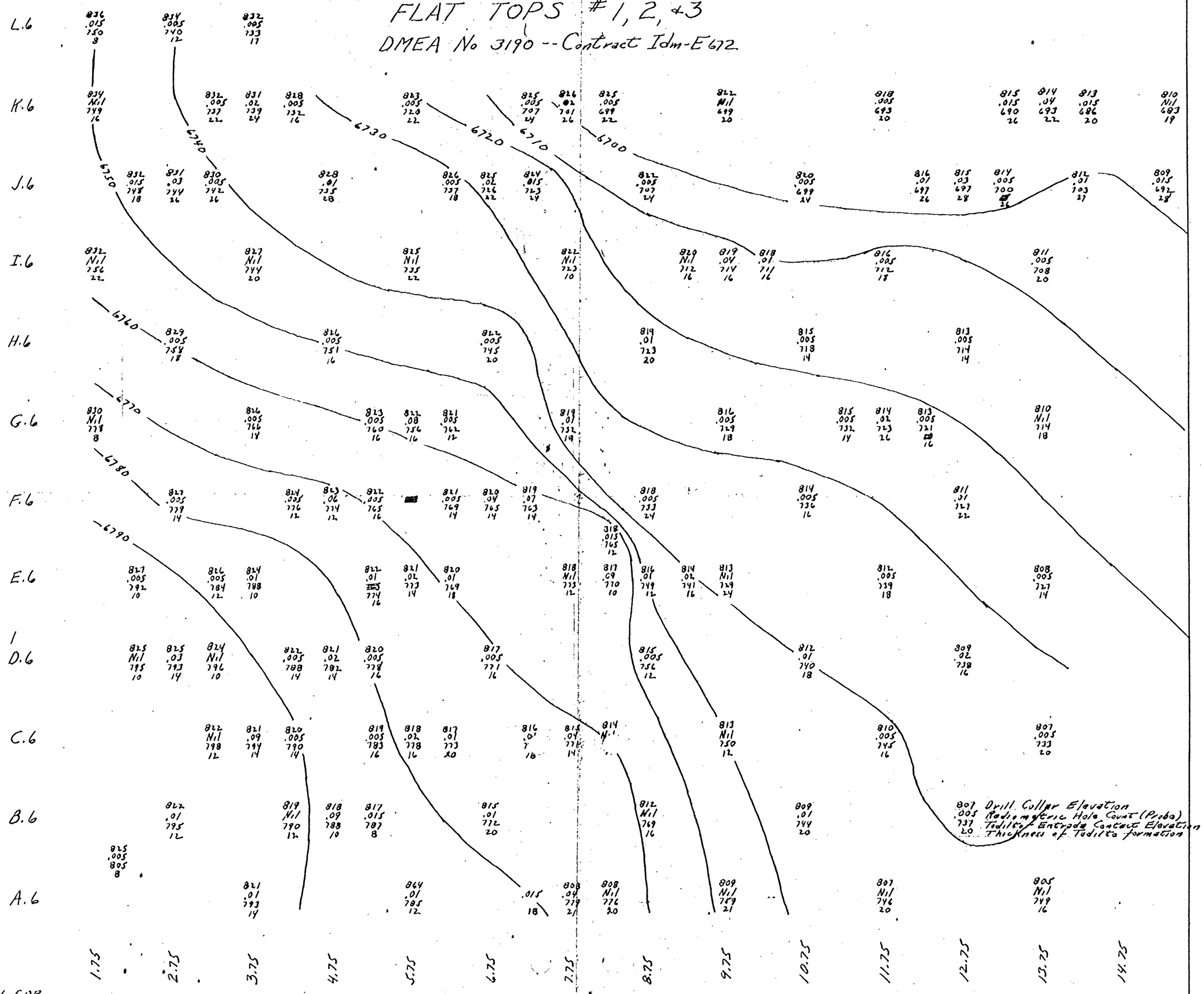


PREFERRED CROSS SECTION
10×10 TO ONE INCH
No. 503

THE FREDERICK POST CO. CHICAGO

FLAT TOPS #1, 2, & 3

DMEA No 3190 -- Contract Idm-E 672



SW COR.
SE 1/4
Sec. 30

Map showing complete drilling results of subject contract

Scale 1" = 100'