ision copy

TERMINATION AGREEMENT

It is agreed this 1st day of February, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Kenneth J. Revis and H. L. Revis, partners, hereinafter called the "Operator," parties to Exploration Project Contract Idm-E854, Docket No. DMEA-3678, dated August 11, 1955, as amended, hereinafter called the "Contract," that:

1. Effective as of the close of business on July 23, 1956, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the costs of work performed prior to said effective date.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract.

4. All rights of the Government provided for in the Contract with respect to certification of discovery or development, percentage royalty and liens for its payment, records, audit, and recovery of any overpayment, are preserved.

5. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this termination agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

By C. M. Stevens
Administrator, Defense Minerals
Exploration Administration

Kenneth J. Revis
Kenneth J. Revis, partner

H. L. Revis
H. L. Revis, partner

2-12-

January 4, 1956

Memorandum

To: Hazel Berry, Operating Committee

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

Subject: Amendment to contract

Mr. Ching has reviewed and approved Amendment No. 1, dated December 16, 1955, to Contract Idm-E854, Docket No. DMEA-3678, Revis and Revis.

/s/ Grace L. Ault

Grace L. Ault

Date January 4, 1956

To: Hazel Berry

Docket No. DMEA-3678
Contract No. IDM-E 854

Attached is Amendment No. 1, dated 12-16-55,

to be reviewed.

Approved M. Ching

Other action —

Please return this slip to me for my records.

Grace Ault

1-4-55 dgm

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

224 New Customhouse
Denver 2, Colorado

December 29, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3678 (Uranium), Contract Idm-8854
Davis and Davis, Larimer County, Colorado

Enclosed are the original and two copies of Amendment No. 1 to Contract Idm-8854, which has been executed, authorizing suspension of operations, extending the time fixed for the completion of the project work, and extending the period for the payment of royalties. Also enclosed are four sets of data relative to the amendment.

Copies of the amendment have been given to the Operator, the Finance Office, Region III, and distributed to other offices concerned.

W. M. Traver

W. M. Traver

Encls.

EXPLORATION PROJECT CONTRACT
KENNETH J. REVIS AND H. L. REVIS, PARTNERS
DOCKET NO. DMEA 3678
CONTRACT NO. IDM-E 854

AMENDMENT NO. 1

It is agreed this 16th day of December, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government", and Kenneth J. Revis and H. L. Revis, Partners, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. IDM-E854, Docket No. DMEA 3678, dated August 11, 1955, hereinafter called the "Contract," that:

1. (a) Work under the Contract shall be suspended during the period beginning November 19, 1955, and ending not later than May 1, 1956.

(b) No costs incurred by the Operator during the period of suspension shall be allowable for contribution by the Government, and the Government shall not contribute to any costs of rehabilitation or repair which, in its opinion, would not have occurred if there had been no suspension of the work.

(c) The Operator may at his own cost and expense, without contribution by the Government, during the period of suspension shall preserve and protect the project work and any property in which the Government has an interest.

2. The time fixed for completion of the work is extended to October 31, 1956.

3. The period for the payment of royalties fixed by Article 7(b)(2) of the Contract as ten (10) years is extended to eleven (11) years.

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

Executed in sextuplet the day and year first above written.

UNITED STATES OF AMERICA

By W. M. Trever

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

OPERATOR

By Kenneth J. Revis
Kenneth J. Revis, Partner

By H. L. Revis
H. L. Revis, Partner

COPY

REGION III

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20
Denver Federal Center
Denver 2, Colorado
December 15, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: John F. Shaw

Subject: Request for recess to Contract Idm-E854,
Revis and Revis, Spring claim group,
Larimer County, Colorado

Enclosed are the original and 5 copies of a letter dated December 9, 1955, from Revis and Revis requesting permission to recess operations under Contract Idm-E854.

It is impossible to operate efficiently under this contract during the severe winter weather. Therefore, it is recommended that the request be granted.

/s/ John F. Shaw

John F. Shaw
Supervising Mining Engineer

Enclosures

JFS:ph

Revis and Revis
DMA-3676 (Uranium)
Contract Idm-2854

Sportsman's Lodge,
Bellvue, Colorado.
December 9, 1955.

Mr. John F. Shaw
U. S. Bureau of Mines,
Room 137, Building 20,
Denver Federal Center,
Denver 2, Colorado.

Dear Sir;

We request your permission to recess our DMA loan due to weather and water conditions reported in the Narrative Report. Our present contract expires March 31, 1956. It will be around May 1, 1956, before it will start to warm up.

We request May 1, 1956, as the starting date and October 31, 1956, for completion. The water has hindered operations greatly. It will take at least six months to complete the program.

Yours Truly,

Kenneth J. Revis H. L. Revis

Kenneth J. Revis and H. L. Revis

Revis and Revis
DMSA-3678 (Uranium)
Contract Idm-5654
December 9, 1953

Narrative Report

November 18, was the last day we were able to work in the shaft. We have dug four more feet since the October report. The veins and leaders are almost the same as the last report. The snow at the mine is 16 inches deep. But the mine being on the north side of the mountain, it never gets above freezing. Due to this our water pump freezes in just a minute or two. We delayed this report for three weeks hoping for a possible break in the weather. But weather conditions are worse.

Kenneth E. Revis H. L. Revis
Kenneth E. Revis and H. L. Revis

Division Copy

RECEIVED
SEP - 6 1955

MF-200A
(Revised June 1954)

Docket No. DMEA-2078

Commodity Uranium

Contract No. Idm-E 854

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT[1]
(Short Form)

It is agreed this AUG 11 1955 day of ....., 195...., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Kenneth J. Revis and R. L. Revis, partners.

address changed 11/10/55 [illegible]

whose mailing address is ~~Jamestown Star Route Boulder Colorado~~ SPORTSMAN'S LODGE BELLVUE, COLORADO, hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Exhibit "A," Annex I, and two maps, Figures 2 and 3.

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Colorado, County of Larimer, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee of [5] the mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] lease, [7] ..... recorded in Book ....., page ....., official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: none

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows: Consent to Lien of lessors.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

16—70618-1

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 7, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 7(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of .....uranium..... The work to be performed is described in Exhibit "A." The Operator on or before ..September 15, 1955..... shall commence the work, and on or before ..March 31, 1956..... (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $..11,300.00..... The Government will contribute ..75.. percent of the fixed unit costs as work is performed, in a total sum not in excess of $..8,650.00.....: *Provided,* That until the Operator has rendered to the Government his final report, and any final 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 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work

performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records or accounts.

ARTICLE 7. *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 a sufficient final report and final account (see Article 6) 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.

(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, within 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 crude 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 (1½) 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 (½) 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 (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

(g) *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.

(h) *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.

(i) *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 production operations.

(j) *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.

ARTICLE 8. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 8 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 9. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 10. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

KENNETH J. REVIS & H. L. REVIS
(Operator)

By C. W. Mitteudorf
Administrator, Defense Minerals Exploration Administration

Rubin
Hoffburg
"Appd. Sol. Off."
Ching
Ellis
Fabert
Martin
Bishop

By Kenneth J. Revis,
H L Revis

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—70618-1

EXPLORATION PROJECT CONTRACT
REVIS and REVIS
DOCKET NO. DMEA-3678

ANNEX I

The land referred to in Article 2 of the contract consists of three unpatented lode mining claims: Lady Cora Helen, Spring No. 1, and Spring No. 2, situated in Sections 10, 11, 14 and 15, T. 8 N., R. 75 W., 6th P. M., Larimer County, Colorado. The location certificates are recorded in the office of the County Clerk in Book 978 at pages 24, 25 and 26.

These claims are shown on the attached map entitled "Figure 2 - Map of the Spring Claim Group, Larimer County, Colo., (Revis & Revis DMEA 3678)."

EXPLORATION PROJECT CONTRACT
REVIS and REVIS
DOCKET NO. DMEA-3678

EXHIBIT "A"

Description of the Work

The work consists of exploration by shaft sinking and drifting to test a steep-dipping, uranium-bearing, shear zone in granite.

The work is tentatively indicated on the attached map entitled "Figure 3 - Plan and Section of Spring No. 1 Shaft . . .."

The work is divided into two successive stages. The Operator shall perform Stage I, and shall perform so much of the work set forth under the second stage as the Government, based upon the results of the work under Stage I, approves in writing in advance.

The location, inclination, direction, and extent of all project work are subject to the approval of the Government.

All work shall be timbered as necessary.

As work progresses, representative samples shall be taken and analyzed chemically for uranium and vanadium.

STAGE I

The work under this stage consists of two phases:

(1) Prepare surface site and plant at collar of existing prospect shaft on Spring No. 1 claim. This work includes constructing a 10 foot by 20 foot frame building; installing a hoist, a compressor, and other equipment; constructing a suitable headframe and facilities for waste rock disposal; and making such other preparations as are necessary for shaft sinking.

(2) Sink a 2-compartment shaft from the bottom of the existing prospect shaft for a distance of 50 feet along the dip of the mineralized shear zone. The shaft shall have a minimum cross section of 4 feet by 8 feet inside the timbers.

STAGE II

Sink the shaft an additional 50 feet along the shear zone or vein, minimum dimensions of 4 feet by 8 feet inside the timbers; and drift from the shaft along the vein a distance of 100 feet. The elevation at which the drifting is to begin, and the direction it is to take will depend upon the conditions exposed by the preceding work. The drift shall have a minimum cross section of 5 feet by 7 feet in the clear of timbers.

ESTIMATED COSTS OF THE PROJECT

FIXED UNIT COSTS

(The unit costs include all costs whatsoever necessary to complete the work.)

STAGE I

Preparation of surface site and plant (The completed work constitutes the unit.)	$ 950.00	
50 ft. shaft sinking @ $75.00/ft.	3,750.00	
7 chemical sample analyses @ $5/sample	35.00	$ 4,735.00

STAGE II

50 ft. shaft sinking @ $75.00/ft.	3,750.00	
100 ft. drifting @ $31.00/ft.	3,100.00	
35 ft. drift timbering @ $4.00/ft.	140.00	
15 chemical sample analyses @ $5/sample	75.00	$ 7,065.00
Estimated total cost of the project		$11,800.00
Government participation @ 75%		$ 8,850.00

MF-203
Revised March 24, 1955

DMEA
Date Rec'd.

JUL 25 1955

BUREAU OF MINES
Denver, Colorado

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator Revis and Revis
Docket No. DMEA- 3678
Contract No. Idm-E
Contract Date

RECEIVED
JUL 27 1955

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Larimer, State of Colorado, described as follows:1/

Lady Cora Helen, Spring No. 1 and Spring No. 2 unpatented lode mining claims located June 30, 1954 and recorded in Book 978, pages 24, 25, 26 official records of said County

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

None

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 26 day of July, 1951.

_____ [Seal]

B. Lee Lindsey [Seal]

S. L. Lindsey [Seal]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

[X] Audited

[ ] Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of May 20 1957
Incl. Voucher for July, 1956

[ ] Actual Cost

[X] Agreed Unit Costs

Name Kenneth J. Revis and H. L. Revis, Partners

Docket No. DMEA-3678

State Larimer County, Colorado Commodity Uranium

Idm-E No. 854

OPERATION	AUTHORIZED Units Feet	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	100	$ 3,240.00	30	$ 1,050.00	$ 1,050.00
Raising					
Shafts	100	8,450.00	60	5,450.00	5,450.00
Winzes					
Drilling (Specify)					
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) Chem. Analyses		110.00		15.00	15.00
Totals		$ 11,800.00		$ 6,515.00	$ 6,515.00

Prepared by Michael Ching

71626

Code 700

Project Summary Report

By: Michael Ching Date: May 20, 1957

1. Docket No.: DMEA-3678 (Uranium)
   Contract No.: Idm-E 854

   Operator - Kenneth J. Revis and H. L. Revis, Partners
   Sportsman's Lodge
   Bellvue, Colorado

   Property: Three unpatented lode mining claims, Lady Cora Helen, Spring No. 1, and Spring No. 2, situated in secs. 10, 11, 14 and 15, T. 8 N., R. 75 W., 6th P.M.&B., Larimer County, Colorado

   Operator's Property Rights: Lessee. Consent to Lien, dated July 21, 1955, signed by lessors B. Lee Lindsey and S. L. Lindsey.

2. Contract (Short Form) - dated August 11, 1955

   Final starting date, Sept. 15, 1955.
   Actual starting date, September 15, 1955.
   Contract completion date, October 31, 1956.
   Termination Agreement, dated February 1, 1957, effective July 23, 1956.

   Work Authorized: To test a steep-dipping shear zone in granite.

   Stage I - Sink shaft from bottom of existing prospect shaft.

Preparation of surface site & plant	950.00	
50 ft. shaft sinking @ $75/ft.	3,750.00	
7 chemical sample analyses @ $5/sample	35.00	$4,735.00

   Stage II

50 ft. shaft sinking @ $75/ft.	3,750.00	
100 ft. drifting along vein from shaft @ $31/ft.	3,100.00	
35 ft. drift timbering @ $4/ft.	140.00	7,065.00
15 chemical sample analyses @ $5/sample	75.00	

   Estimated Total Cost of the Project $11,800.00
   Government Participation @ 75% .....$ 8,850.00

   Amendments

   No. 1 - dated Dec. 16, 1955. Provides for suspension of work from Nov. 19, 1955 to May 1, 1956, extends completion date from March 31 to Oct. 31, 1956, and increases the royalty repayment period from 10 to 11 years.

reserves are known.

Because of the unfavorable results the contract was terminated by agreement, dated Feb. 1, 1957, effective July 23, 1956.

With the exception of a few months in the winter, when the work was recessed because of severe weather, performance by the Operator was good.

/s/ Michael Ching

MChing/izm 5-21-57

cc to: Mr. Ching
Admr.'s Reading File
Code 700

Work Completed

Stage I

Preparation of surface site & plant	$950.00	
50 ft. shaft sinking @ $75/ft.	3,750.00	
3 chemical sample analyses @ $5/sample	15.00	$4,715.00

Stage II

10 ft. shaft sinking @ $75/ft.	$750.00	
30 ft. crosscutting @ $31/ft.	930.00	
30 ft. crosscut timbering @ $4/ft.	120.00	$1,800.00

Total Cost of Project $6,515.00
Government Participation @ 75% $4,886.25

The Operator, for his own account, sunk an 8-foot sump for the shaft, bulldozed a large surface cut, drove a 4-foot drift on the 54-foot level, and drilled some long holes.

Final Reports Received:

Operator's - undated - received Feb. 15, 1957
Field Team - dated Spril 26, 1957, received May 8, 1957

3. Auditor's Report of Review, dated Feb. 18, 1957:

Total Cost as billed by Operator	$6,515.00
Exceptions	None
Total Accepted Cost	$6,515.00
Government Participation @ 75%	$4,886.25

4. Certification of Discovery - None

5. Results and Comments:

Precambrian gneiss and schist of the Idaho Springs formation were intruded by granite and pegmatites on the subject property. A shear zone in the granite, containing radioactive minerals, was exposed to a depth of about 20 feet in a shaft sunk by the Operator prior to the subject contract. A 10-12 inch vein within the shear zone split and one branch flattened and coursed out of the southwest wall of the shaft at a depth of 26 feet while the other branch disappeared. The shaft was extended 60 feet under the contract, but practically no mineralization was present below a depth of 23 feet. Consequently, from the 75-foot level a 30-foot crosscut was driven southwest to intersect the vein which veered out of the shaft at the 26-foot level. No intersection was made however, either in the crosscut or in a 12-foot long hole drilled by the Operator.

The vein apparently is present only in the upper part of the shaft. Approximately 15 tons of low-grade ore containing .10 to .20% U_3O_8 was stockpiled from this area. No other ore was found and no

MAY 27 1957

Mrs. [illegible] L. [illegible]
and M. L. Lewis, Partners
Partner's Lodge
Golden, Colorado

Re: Contract No. [illegible]-970 (Uranium)
Contract No. [illegible]-[illegible]
Lewis Claim Group
Jefferson County, Colorado

Gentlemen:

Reference is made to your letter of [illegible] relative to contract with the Government.

[illegible] regret that the work performed did not result in a certificate of discovery or development under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien upon 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 Grantee to keep and preserve certain records for the period specified.

Your interest in the DMA exploration program and participation in Grants are fully appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

Whipp/jla
5/22/57
cc to: Admr.'s Tending File
Contract Adm. & Audit Division
Code 700, Mr. Ching
DMA Field Team, Region III (2)

Mr. B. Lee Lindsey
Cheatland, Wyoming

MAY 27 1957

and

Mr. C. L. Lindsey
Bellvue, Colorado

Re: Lease No. [illegible]A-3673 (Uranium)
Contract No. [illegible]-851
Kenneth J. Davis and E. L. Davis, partners
Spring Claim Group
Larimer County, Colorado

Gentlemen:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the above-cited contract.

This correspondence relates to the Consent to Lien signed by you on July 27, 1955.

Sincerely yours,

[illegible]

Administrator

Enclosure

Copy to: C. L. Lindsey

MChing/cla
5-22-57
cc to: Admr.'s Reading File
Contract Adm./Audit Division
Code 700, Mr. Ching
DMA Field Team, Region III (2)

IN REPLY REFER TO:

COPY
RECEIVED MAY 14 1957

DATE	INITIALS	CODE
5 15	Chng	700

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

May 13, 1957

Re: DMA 3673 Tdm- 85[illegible]
E. J. and E. L. Nevis
Spring Plain Group
Larimer Co., Colo.

Memorandum

To: [illegible] Ellis, Defense Minerals Exploration Administration

From: W. [illegible] Nelson, U. S. Geological Survey

Subject: Review of Field Team Final Report.

The contract was awarded Aug. 11, 1955 and was terminated by agreement effective July 23, 1956. The program was not completed, $6,513.00 of the approved $11,800.00 having been spent.

The work resulted in the discovery of only minor amounts of ore-grade material in a radioactive shear zone in precambrian and schist. No material of ore grade was found below a depth of 25 feet.

Certification is not recommended and, in the opinion of the examiners, further work with Government assistance is not warranted.

I concur with the recommendation that no certification be made.

M.Nelson:btr
G 5/13/57

W. S. Nelson

W. S. Nelson

cc: James Paone, 3643
Jack Kratchman
Director's reading file
Branch reading file
DMEA (3)
Chron. file
Docket file

EXTRA COPY DMEA		
RECEIVED MAY 8 1957		
DATE	INITIALS	CODE
5-14	Chng	700

224 New Customhouse
Denver 2, Colorado

May 6, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket No. DMEA 3678 (Uranium), Contract No. 16m-E854, Kenneth J. Revis and H. L. Nevin, Partners (Spring claim group), Larimer County, Colorado - FINAL REPORT

Enclosed are the original and three copies of a joint final engineering and geologic report, dated April 26, 1957, by Donald H. Richter, Geologist, Geological Survey, and Carl Belser, Mining Engineer, Bureau of Mines; and transmittal thereof, dated May 3, 1957, from Albert S. Konselman and E. N. Harshman. The original and one copy of the Operator's final report were forwarded by memorandum of February 13, 1957.

The Contract was terminated before completion of all work provided for by a Termination Agreement, dated February 1, 1957, which was made effective at the close of business on July 23, 1956.

The exploration work completed consisted of 60 feet of shaft sinking, 30 feet of drifting, 30 feet of drift timbering, and chemical analysis of three samples; at a total accepted cost of $6,515.00 toward which the Government contributed 75%, or an amount of $4,886.25.

Final payment to the Operator was processed by this office February 19, 1957, in conformance with the Report of Review of reported project costs by the Contract Administration and Audit Division, DMEA, dated February 18, 1957.

The exploration work did not result in the discovery or development of a significant quantity of uranium ore. Therefore, certification of the project under the provisions of the Contract is not recommended.

Original signed by
E. N. HARSHMAN

E. N. Harshman
Acting Executive Officer

JWT:prl

cc: Allen S. Jones, A.E.C.
E. E. Thurlow, A.E.C.)
Final Report File)
Region III)
Harshman)
Konselman)
Townsend)
Corres. file)
Chron.)

w/copy of joint final engineering and geologic report.

Reviewed by
DMEA OPERATING COMMITTEE
5/13/57
(date)

EXTRA COPY
DMEA
RECEIVED MAY 8 1957

DATE	INITIALS	CODE

IN REPLY REFER TO:

DMEA
DEPARTMENT OF THE INTERIOR
MAY 3 - 1957
REGION III
DENVER, COLORADO

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

May 3, 1957

Memorandum

To: Acting Executive Officer, DMEA Field Team, Region III

From: Albert S. Konselman
E. N. Harshman

Subject: DMEA Docket 3678 (Uranium), Contract Idm-E 854, Kenneth J. Revis and H. L. Revis, Partners (Spring claim group), Larimer County, Colorado
FINAL REPORT

Enclosed are the original and nine copies of a joint final geologic and engineering report by Carl Heiser, U. S. Bureau of Mines, and Donald H. Richter, U. S. Geological Survey, in which exploration under the subject contract is described.

Contract Idm-E 854 authorized the expenditure of an estimated $11,000.00 in a two-stage program comprising 100 feet of shaft sinking and 100 feet of drifting. The work completed consisted of 60 feet of shaft sinking and 30 feet of crosscutting at a total cost of $6,515.00, Government participation 75 percent or $4,886.25.

Exploration of a radioactive shear zone in gneiss and schist resulted in the discovery of only minor amounts of ore-grade material near the surface and no material of ore grade at depths of over 25 feet below the surface.

Certification of a Discovery is not recommended and additional work, with Government assistance is not warranted.

Albert S. Konselman
Albert S. Konselman
Mining Engineer

E. N. Harshman
E. N. Harshman
Member, Field Team

Reviewed by
DMEA OPERATING COMMITTEE
5/13/57
(date)

Enclosures (10)
ENHarshman:mp

EXTRA COPY
D M E A
RECEIVED
CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 3678

Contract Idm-E 854

Revis and Revis

Spring claim group

Larimer County, Colorado

Uranium

Joint Final Engineering and Geological Report

by

Donald H. Richter, Geologist
Geological Survey

Carl Belser, Mining Engineer
Bureau of Mines

April 26, 1957

Reviewed by
DMEA OPERATING COMMITTEE
5/13/57
(date)

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Introduction and summary	1
Location and accessibility	2
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History and production	4
Geology	4
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Summary of factual data	8
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Actual costs	8
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ILLUSTRATIONS

Figure	Follows page
1. Location map of Spring claim group, Larimer County, Colorado	2
2. Map of the Spring claim group, Larimer County, Colorado	10
3. Geologic plan and section of Spring No. 1 shaft and crosscut, Larimer County, Colorado	10

EXTRA COPY
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REMOVE
FILE

DMEA 3678

CONTRACT I6m-E 834

REVIS AND REVIS
SPRING CLAIM GROUP
LARIMER COUNTY, COLORADO

INTRODUCTION AND SUMMARY

K. J. Revis and N. L. Revis, of Jamestown Star Route, Boulder, Colorado, on January 24, 1955, submitted an application to the Defense Minerals Exploration Administration for aid in exploring for uranium on a group of three unpatented mining claims in Larimer County, Colorado. The applicant proposed to sink 150 feet from the bottom of an existing 20-foot shaft at a total estimated cost of $14,529.42.

The property was examined on May 16, 1956, by D. R. MacLaren, geologist, U. S. Geological Survey, and R. L. Bolmer, mining engineer, U. S. Bureau of Mines. A modified program was recommended for approval and on August 11, 1955, a contract was signed which provided for 100 feet of sinking and 100 feet of drifting at a total estimated cost of $11,800.00.

The rocks in the area are Precambrian gneiss and schist of the Idaho Springs formation which have been intruded by Precambrian Silver Plume granite. Abnormal radioactivity was found around a

spring where two bulldozer trenches had been cut and a 20-foot shaft sunk. A radioactive vein and shear zone exposed in the shaft strike N. 25° W. and dip 72° SW. The main part of the vein dipped out of the shaft at a depth of 26 feet and radioactivity was low in the shaft below the 23-foot level. Between the 26-foot level and the bottom of the shaft at the 75-foot level only a few clay-filled fractures and shears, some containing minor radioactive material, are present.

Shaft sinking under the contract commenced on September 13, 1955. Sixty feet of sinking and 30 feet of crosscutting was completed by July 1956. The cost of this work was $6,513.00.

Although about 15 tons of low-grade ore containing 0.10 to 0.20 percent U_3O_8, was recovered during the exploratory work, significant deposits of uranium ore do not appear to occur in the mine area and additional exploration, with Government assistance, is not recommended.

The contract was terminated on February 1, 1957; certification of a discovery is not recommended.

LOCATION AND ACCESSIBILITY

The claims are in the NE 1/4 sec. 14 and the NW 1/4 sec. 13, T. 8 N., R. 73 W., sixth principal meridian, Larimer County, Colorado, in the Chambers Lake mining district, about 9 miles north of Rocky Mountain National Park (figs. 1 and 2).

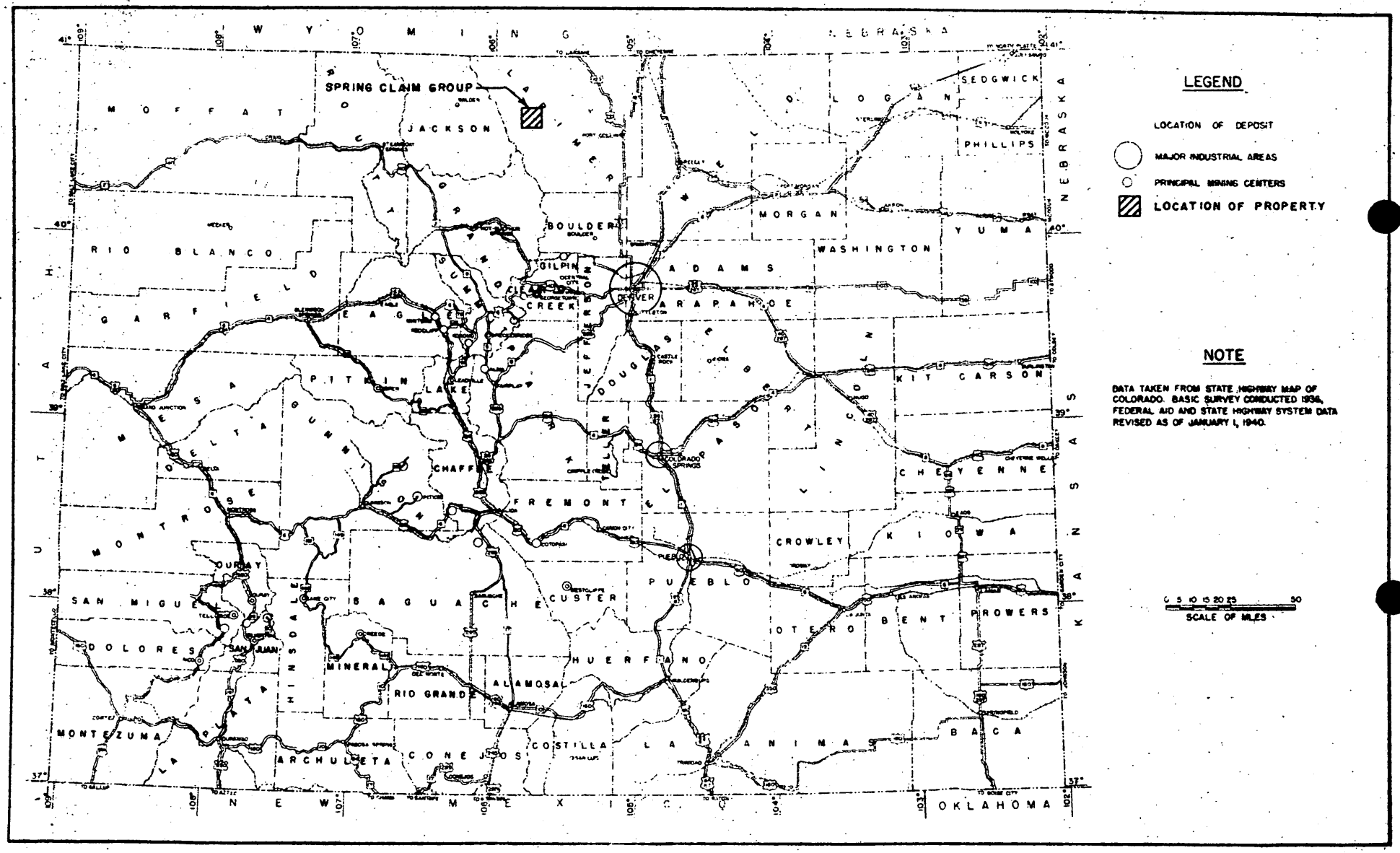


FIGURE 1 - LOCATION MAP OF SPRING CLAIM GROUP, LARIMER COUNTY, COLO. (REVIS & REVIS DMEA 3678)

The claims can be reached from Fort Collins, Colorado, by traveling westerly 9 miles over U. S. Highway 287 and 45 miles on State Highway 14 to Sportsman Lodge; thence 1 mile south over an unimproved dirt road.

The claims are on the steep south side of the Poudre River Canyon, at an approximate altitude of 9,000 feet. Winters are severe, but State Highway 14 is generally kept cleared of snow. Low voltage power is supplied to the property.

Fort Collins is the nearest source of labor and supplies. The nearest railroad is the Colorado and Southern at Bellvue, Colorado, 49 miles east of the claims.

OWNERSHIP AND EXTENT

The property consists of three unpatented claims (fig. 2); the notices of location are recorded in the County Clerk's office, Larimer County, as follows:

Claim	Book	Page	Date Located	Locators
Lady Corn Helen	978	24	June 30, 1954	S.L. and B.L. Lindsey
Spring No. 1	978	25	June 30, 1954	S.L. and B.L. Lindsey
Spring No. 2	978	26	June 30, 1954	S.L. and B.L. Lindsey

On February 1, 1955, Kenneth and M. L. Revis leased the claims from the locators for a five-year period. The lease carried a renewal privilege. On July 25, 1955, the locators gave their consent to a government lien on the claims.

HISTORY AND PRODUCTION

The prospect was discovered by S. L. and B. L. Lindsey while on a hunting trip, and was located on June 30, 1954. A prospecting agreement was made between the discoverers and Kenneth and N. L. Revis on September 22, 1954, and work on the claims commenced in October 1954. This ripened into a lease which was granted to the Revises on February 1, 1955, and a DMEA contract was granted the lessors. No ore has been shipped from the property.

GEOLOGY

The consolidated rocks in the Spring claim group consist of Precambrian gneiss and schist of the Idaho Springs formation that have been intruded by Silver Plume (?) granite and irregular seams and masses of pegmatite.

Abnormal radioactivity was first discovered about a spring, at the base of a westerly trending ridge, in a limonite-rich precipitate. A trench bulldozed along the side of the hill above the spring exposed a shear zone containing radioactive minerals. A few small flakes of autunite and an associated greenish non-fluorescent radioactive mineral, possibly torbernite, have been observed in the schist and a dark gray- to black-coating of pitchblende has been found along fractures and planes of shearing in the brecciated granite.

The DMEA program, designed to explore a 10- to 12-inch radioactive vein within this shear zone, exposed to a depth of about 20 feet in a shaft sunk by the operator, consisted of approximately 60 feet of shaft sinking and 30 feet of crosscutting. From the surface to a depth of approximately 18 feet the shears and vein strike N 25° to 30° W and dip about 72° SW (fig. 3). At this depth, in a zone of strong radioactivity, the vein apparently splits, one branch with a slight flattening in dip courses out of the southwest wall of the shaft at a depth of 26 feet and the other, which the shaft follows, disappears in the shear zone at approximately the same depth. Beyond a depth of 25 feet no appreciable radioactivity was observed in the veins. At depths between 37 and 50 feet strong fractures in the brecciated granite carried some minor radioactive material. From the 75-foot level of the shaft a 30-foot crosscut was driven southwest to intersect the vein which veered out of the shaft at the 26-foot level. No intersection was found however, either in the crosscut or in a 12-foot long hole drilled from the face.

The veins, present only in the upper part of the shaft, contain quartz, pyrite, fine breccia fragments, and where radioactive, minor amounts of sooty pitchblende. In the shear planes and fractures considerable clay gouge has developed and in some of these structures very minor amounts of radioactive material has

been deposited. Approximately 15 tons of low-grade ore, containing 0.10 to 0.20 percent U_3O_8 has been stockpiled from the upper part of the exploration shaft.

ORE RESERVES

With the exception of the estimated 10 to 20 tons of low-grade material recovered from the upper part of the shaft no ore was found by the exploration work, and there is no known reserves of shipping-grade ore on the property. At the present time this radioactive material has no commercial value, unless it can be shipped with other high-grade ore.

THE PROJECT

Original program and modifications

The original recommended program was to be conducted in two stages: the first stage consisted of installing a surface plant, sinking the shaft an additional 30 feet, and seven chemical analyses. The second stage consisted of a maximum of 50 feet of additional sinking, 100 feet of drifting, 35 feet of drift timbering, and 15 chemical analyses. The cost of Stages I and II was estimated at $11,800.00. Carrying out Stage II of the program was dependent on results obtained from Stage I work.

Description of work completed

Contract Idm-E 854 was signed on August 11, 1955; work started on the surface plant on September 15, and on the shaft on September 22, 1955. In early June 1956, the shaft had been deepened 50 feet, and on June 20, 1956, a modified second stage program, consisting of 10 feet of additional sinking and 30 feet of crosscutting was approved.

Sixty feet of sinking, 30 feet of crosscutting, 30 feet of crosscut timbering, and three chemical analyses were completed under the contract. Extra work, not included in the contract, consisted of sinking an 8-foot sump, bulldozing a large surface cut, and driving a 4-foot drift on the 54-foot level.

As the material in the lower part of the shaft was not strongly radioactive, only a portion of the Stage II work was allowed. The crosscut on the 75-foot level, after cutting through about 20 feet of schist, is in altered pegmatite and a 12-foot hole drilled into the breast, cut altered pegmatite for its entire length. However, no strongly radioactive areas were found.

With the exception of a few months in the winter, when the work was recessed because of severe weather, there were no marked delays in the performance of the contract work. It progressed smoothly and without mishap.

SUMMARY OF FACTUAL DATA

Contract costs

The contract called for a maximum of 100 feet of shaft sinking, 100 feet of drifting, 35 feet of timbering, preparation of a plant site and plant, and 22 chemical analyses. This was to be done in two stages at the following stipulated costs.

Stage I

Preparation of surface site and plant	$ 950.00
50 feet of shaft sinking at $75.00/ft.	3,750.00
7 chemical analyses at $5.00 each	35.00
Estimated cost of Stage I	$ 4,735.00

Stage II

50 feet of shaft sinking at $75.00/ft.	$ 3,750.00
100 feet of drifting at $31.00/ft.	3,100.00
35 feet of drift timbering at $4.00/ft.	140.00
15 chemical analyses at $5.00 each	75.00
Estimated cost of Stage II	$ 7,065.00
Total estimated cost of project	$11,800.00

Actual costs

Because of the unfavorable results of Stage I work, the contract was terminated after partial completion of a modified Stage II program. Actual contract costs follow:

Stage I

Preparation of surface site and plant	$ 950.00
50 feet of shaft sinking at $75.00/ft.	3,750.00
3 chemical analyses at $5.00 each	15.00
Actual cost of Stage I	$ 4,715.00

Stage II

10 feet of shaft sinking at $75.00/ft.	$ 750.00
30 feet of crosscutting at $31.00/ft.	930.00
30 feet of crosscut timbering at $4.00/ft.	120.00
Actual cost of Stage II	$ 1,800.00
Actual cost of project	$ 6,515.00
Government participation at 75 percent	$ 4,886.25

Equipment consisted of an 11.5 by 20-foot frame and corrugated iron compressor building, a 12- by 15.5-foot frame and corrugated iron hoist house, a gasoline-powered single-drum geared hoist, a gasoline-powered air compressor, a 4-post, wooden headframe, a shaft bucket, a wheel barrow, an electric pump, drills and hand tools.

CONCLUSIONS AND RECOMMENDATIONS

The shear zone on the Spring claim group has been explored both laterally and vertically, and the uranium mineralization found is too low in grade to be considered significant.

The over-all mineralization in this general area is apparently poor and no well defined ore-bearing veins appear to have been developed. Only minor amounts of uranium, confined chiefly to thin coatings of sooty pitchblende along discontinuous veins, shears, and fractures, are present.

No further DMEA assistance is warranted and it is recommended that no certificate of discovery be issued.

224 New Customhouse
Denver 2, Colorado

February 19, 1957

DATE		CODE
2/28/57		110
4/24		700

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket-3678 (Uranium) Contract Idm-E854
Kenneth J. Revis and H. L. Revis, Partners
(Spring claims group) Larimer County, Colorado

Reference is made to our memorandum of August 9, 1956, whereby we transmitted the final Form MF-104, Operator's Monthly Report and Voucher for the month of July, 1956, and requested that you withhold the amount of $400.00 pending resolution of matters prerequisite to closing the account.

The Operator's final report has been received, therefore we recommend that final payment be made on the following basis, which is in conformance with the Report of Review of reported project costs by the Contract Administration and Audit Division, dated February 18, 1957. Payment has been deferred pending execution of a suitable termination agreement by the Operator.

Basis for Final Payments

Total accepted cost	$6515.00
Government participation at 75 percent	4886.25
Total prior payments	4486.25
Balance due the Operator	$ 400.00

Original signed by
W. M. TRAVER

W. M. Traver

JDC:hh
cc:
Chan. Op. Comm. (2)
Harshman
Shaw (2)
Townsend
Corres. File E854
MF-104 File E854
Chron.

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports:

Kenneth J. Revis and H. L. Revis, Partners
Sportsman's Lodge
Bellvue, Colorado

pertaining to Exploration Project Contract No. Idm-E354, Docket No. DMEA-3678, including Amendment No. 1, for the period September, 1955 to July, 1956, and Termination Agreement dated February 1, 1957, covering a project for the exploration of uranium on property known as Spring Claims Group located in Larimer County, Colorado.

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, 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 fixed unit costs for 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		$6,515.00
Exceptions:		
By DMEA Finance Officer	$0.00	
Herewith	0.00	0.00
Total Accepted Cost		$6,515.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Four thousand, eight hundred eighty-six and 25/100ths Dollars

** $4,886.25 **

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

February 18, 1957

T. H. Bradley, Auditor

RA COPY
O M E A
RECEIVED 15 1957
DATE | INITIALS | CODE
2-15 | | 700

224 New Customhouse
Denver 2, Colorado

February 15, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 5678 (Uranium), Contract No. Idu-2894, Kenneth J. Revis and E. L. Revis, Partners (Spring claim Group), Larimer County, Colorado

Enclosed are the Government's, Division, and Audit copies of the "TERMINATION AGREEMENT", which was forwarded by your letter of February 1, 1957 for signature by the operating partners.

Also enclosed are the original and one copy of a final report submitted by the Operator, pertaining to work completed under the Contract.

Copies of the Termination Agreement have been distributed to the Operator, the Finance Office, Region III, and to others concerned.

Original signed by
W. M. TRAVER

W. M. Traver

Enclosures

JWT:prl

cc: Final Report file, Region III) w/copy of Operator's Final Report.
Finance Office, Reg. III - w/copy of Termination Agreement.
Harshman - w/copy of Termination Agreement and Operator's Final Report.
Shaw - w/copy of Termination Agreement (Copy of Operator's Final Report retained when report was forwarded to Regional Office)
Townsend
Corres. file
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DMEA
DEPARTMENT OF THE IN
OCT 29 1956
REGION III
DENVER, COLORADO

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
October 29, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: John F. Shaw

Subject: Contract Idr-E854, Docket DMEA 3678, Revis and Revis, (Uranium) Larimer County, Colorado

Enclosed are the original and 3 copies of a final report covering the work performed under Contract Idr-E854. One copy is being retained for our use in preparation of the final report.

John F. Shaw
Supervising Mining Engineer

JFS/[illegible]
Enc.
Idr-[illegible]
Cmon

DMEA
FEB 13 1957
2-15 Ching 700

REVIS and REVIS
DMEA 3678 Idm-E-854

Narrative Report

This is the final report on work done under our contract.

Work was started Sept. 15, 1955, and was suspended on Dec. 1955, because of bad weather. Then started the first of May 1956.

The shaft was 18 feet deep when the program with DMEA started. There were several veins of sooty pitch and ore vein approximately 4x12 in. These veins dipped out of the shaft at 30 foot level. The assays on these veins started at about .25 and fell to around .10%.

Then for about 12 feet we had no veins. At 45 feet we again hit sooty pitch in the fractures of the formation. The assays run as high as .16%. These veins went down to about 60 feet.

We sank the shaft to 70 feet finding no more veins. Then it was decided to sink another ten feet to start drifting and dig a sump hole.

Then a 30 foot drift was dug trying to reach the south side of the fault and see if the veins that dipped off at 30 feet had continued down. No radioactivity was incountered in the drift.

This completed all the authorized work.

We have completed some long hole drilling on the north-east corner and side of the shaft. Very little showing was found except in one hole, we are now drifting on this one.

Signed H. L. Revis
H. L. Revis

Kenneth J. Revis
Kenneth J. Revis

?

EXTRA COPY
DMEA
RECEIVED 15

DATE	INITIALS	CODE

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

224 New Customhouse
Denver 2, Colorado

February 5, 1957

EXTRA COPY DMEA RECEIVED FEB 7 1957		
DATE	INITIALS	CODE
2-8	C	220
2-8	~~Chang~~	700
	C	

Messrs. Kenneth J. Revis
and H. L. Revis
Sportsman's Lodge
Bellvue, Colorado.

Re: Docket No. DMEA-3678 (Uranium)
Contract No. Idm-E854
Kenneth J. Revis and H. L. Revis,
Partners (Spring Claim Group)
Larimer County, Colorado

Gentlemen:

Reference is made to our letter of December 3, 1956, concerning additional work you were to request under Contract Idm-E854.

Inasmuch as you did not comply with requirements outlined in the last paragraph of our letter of December 3, steps have been taken to terminate the contract in its present status. For that purpose, enclosed are the Government's, Division, Audit, Finance Office, and Field Team copies of the proposed termination agreement which, when executed, will terminate the contract as of the close of business on July 23, 1956.

If the Termination Agreement is acceptable, all copies are to be signed by both partners as indicated and all copies promptly returned to this office. Upon return of the properly signed copies of the Termination Agreement, the "Operator's" copy will be forwarded to you.

Very truly yours,

Original signed by
W. M. TRAVER

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

Encls.
JWT:bh
cc-Chair., Op. Comm. (2)
Harshman
Shaw
Townsend
Corres. File E-854
Chron.

700

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

FEB 1 1957

Mr. L. M. Traver
Executive Officer
Dmea Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. [illegible]A-3678 (Uranium)
Contract No. Idm-054
Kenneth J. Davis and M. L. Davis
Spring Claim Group
Larimer County, Colorado

Dear Mr. Traver:

In accordance with our teletype of January 28, 1957, we are enclosing the original and five copies of a Termination Agreement between the Government and the subject Operator, signed by the Administrator. Also enclosed are two extra copies of the agreement for the use of the Field Team.

If you and the Operator find the agreement in order, please have it executed as indicated and make the usual distribution thereafter.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

Attest:

Frank D. Lamb
Member, Bureau of Mines

N. E. Nelson
Member, Geological Survey

Ching/ism 2-1-57
cc to: Code 700
Admr.'s Heading File
Operating Committee
Mr. Ching
Messrs. TaKillsgaard, 522h
J. Ratchman, AnC

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

January 29, 1957

Memorandum

To: Associate Solicitor, Division of Mineral Resources

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

Subject: Termination Agreement
Docket No. DMA-3678
Contract No. Idm-1854
Kenneth J. Revis and H. L. Revis
Spring Claim Group
Larimer County, Colorado

Will you kindly prepare a Termination Agreement between the Government and the subject Operator in accordance with the attached draft. The agreement should be prepared for the signature of the Administrator.

The effective date of July 25, 1956, was the date on which the Government engineer examined the property and verified the amount of work completed under the contract. The Operator has already rendered a final report and final account.

/s/ Ernest Wm. Ellis

Ernest Wm. Ellis

Attachment

MChing/izm 1-29-57
cc to: Code 700
Mr. Ching

Draft
MChing/izm
1-29-57

Docket No. DMEA-3678

TERMINATION AGREEMENT

It is agreed this _____ day of _____, 1957, between the united states of america, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Kenneth J. Kevis and H. L. Kevis, partners, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-E854, Docket No. DMEA-3678, dated August 11, 1955, as amended, hereinafter called the "Contract," that:

1. Effective as of the close of business on July 23, 1956, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.
2. The Government shall contribute only to the costs of work performed prior to said effective date.
3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract.
4. All rights of the Government provided for in the Contract with respect to certification of discovery or development, percentage royalty and lien for its payment, records, audit, and recovery of any overpayment, are preserved.
5. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this termination agreement.

In Witness Whereof, these parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense Minerals
Exploration Administration

Kenneth J. Revis and H. L. Revis

By _____

Title _____

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

JAN 28 1957

[illegible] 3678. [illegible]

George C. Selfridge

[illegible]

[illegible]hing/[illegible] 1-[illegible]-57
cc to: Code 70[illegible]
Mr. Ching
Admr.'s [illegible]
Operating Committee
Confirmation copy
Messrs. J. Crawford, 3643
[illegible], 5[illegible]
J. Pratchman, ArC

January 28, 1957

Memorandum

To: The Files

From: Michael Ching, Mining Engineer
Rare & Miscellaneous Metals Division

Subject: Justification for Termination Agreement
Docket No. DMEA-3678
Contract No. Idm-1854
Kenneth J. Revis and H. L. Revis
Spring Claim Group
Larimer County, Colorado

Under Stage I of the subject contract the Operator prepared the site and surface plant and extended an existing prospect shaft 50 feet to a total depth of 68 feet. The work revealed intermittent ore-grade uranium mineralization within a north-south trending shear zone. The most promising occurrence consisted of a 10 to 15 inch vein within the shear zone which dipped outside the western limits of the shaft at a depth of 26 feet from the collar.

Under Stage II the shaft was extended an additional 10 feet for a total depth of 78 feet. The Operator sank the shaft an additional 3 feet for its own account, making a total depth of 81 feet.

From the 75 -foot level a crosscut was driven westerly for a distance of 30 feet to locate the hanging wall of the shear zone and perhaps to intersect the vein encountered in Stage I.

No radioactivity was encountered during the sinking and cross-cutting under Stage II. The crosscut passed from quartz-pegmatite into a highly fractured schist which was believed to be a poorer host rock for ore deposition. At this point the examiner stated that additional work did not appear warranted on the basis of results to date. The Operator planned some long-hole drilling from higher levels in the shaft but failed to report the results or give further information justifying additional work under Stage II. The contract completion date of October 31, 1956 has long since passed.

In view of the foregoing results no further work under Stage II is warranted. It is recommended that a Termination Agreement be prepared and sent to the Operator for signature.

MChing/izm 1-28-57
cc to: Docket (original)
Code 700
Mr. Ching

/s/ Michael Ching

700

Ching

DN 235 BUR MINES 1-25-57 9-58

CHAIRMAN, OPERATING COMMITTEE, DMEA

RE DOCKET DMEA 3678, CONTRACT IDM-E854, REVIS AND REVIS.

PLEASE REVIEW CORRESPONDENCE RELATIVE TO OPERATOR'S SUBMITTING REQUEST FOR ADDITIONAL WORK OR TERMINATION OF CONTRACT, ESPECIALLY OUR LETTERS OF NOVEBXX NOVEMBER 13 AND DECEMBER 3. REQUEST FOR ADDITIONAL WORK NOT RECEIVED AS STIPULATED IN OUR LETTER OF 12-3. PLEASE TELETYPE ADVICE AS TO WHETHER OR NOT TERMINATION AGREEMENT SHOULD BE EXECUTED. CERTIFICATION WILL NOT BE RECOMMENDED.

W M TRAVER

Denver, Colorado

12/5/56

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

224 New Customhouse
Denver 2, Colorado

December 3, 1956

Messrs. Kenneth J. Revis
and N. L. Revis
Sportsman's Lodge
Bellview, Colorado

Re: Docket No. DMEA 3678 (Uranium)
Contract No. Idm-E854
Kenneth J. Revis and N. L. Revis,
Partners (Spring claim group),
Larimer County, Colorado

Gentlemen:

Reference is made to your letter of November 29, 1956, in reply to our letter of November 13, 1956, concerning either termination of the contract in its present status or submittal by you of a request for the Government's approval of additional work to be performed under Contract No. Idm-E854.

DMEA contracts cannot be maintained in an indefinite status for any considerable period of time. Therefore, as the date fixed for completion of the work expired October 31, 1956, you should immediately submit your proposal relative to the additional work you would like to perform under the contract. At the same time, you should request an extension of the date fixed for completion of the work to a date that will permit you to complete the additional work proposed.

We believe that two weeks should be adequate to enable you to formulate plans relative to the additional work. Therefore, if your request is not received in this office by December 17, 1956, we will take steps to close the account in its present status.

Very truly yours,

Original signed by
W. M. TRAVER

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

JWT:prl

cc: Chairman, Op.Comm. (2)
Marshman
Shaw
Corres. file
Townsend
Chron.

w/copy of Operator's letter of Nov. 29.

Office of
D.M.E.A. - 3678
Contract No Idm - E854
Bellevue, Colo.
Nov 29, 1956

Mr. W. M. Traver
Executive Office D.M.E.A.
224 New Customhouse
Denver 2 Colo.

DMEA
DEPARTMENT OF THE INTERIOR
DEC 3 1956
REGION III
DENVER, COLORADO

Dear Sir,

I am sorry for not answering your letter of Nov 13, 1956 sooner.

We are very interested in doing some work under our Contract. We wouldn't have sent in the Final Report. Had we known their was a possibility for additional work.

As soon as we can get our engineer up to the mine & give us an idea as to the best possible way to work it.

We will report to your office when this is done. If this is suitable to your office let us know.

Your Truly
H. L. Revis

11-15-56

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

224 New Customhouse
Denver 2, Colorado

November 13, 1956

RECEIVED NOV 15 1956 DMEA

Messrs. Kenneth J. Revis
and N. L. Revis
Sportsman's Lodge
Bellview, Colorado

Re: Docket No. DMEA 3678 (Uranium)
Contract No. Idm-E854
Kenneth J. Revis and N. L. Revis,
Partners (Spring claim group),
Larimer County, Colorado

Gentlemen:

Reference is made to your letter of November 8, 1956, in reply to the letter from this office dated October 30, 1956, pertaining to termination of Contract No. Idm-E854.

Inasmuch as on October 29, 1956 we received your Final Report pertaining to work completed under the Contract, which had been forwarded through Mr. Shaw's office, we assumed that you were not interested in performing additional work under the Contract.

When all the work provided for in a contract is not to be completed, it is generally the practice to have executed a termination agreement signed by the Operator and a representative of the Government to terminate the contract in some stipulated status.

As a prerequisite to preparing the mutual termination agreement instrument, it is necessary that we obtain a request in writing from the Operator indicating a desire to terminate the Contract for stated reasons in its status at that time; therefore, our letter to you of October 30.

In your letter of November 8, 1956, you imply that additional exploration of the property is desirable. In that respect, if the additional exploration work you desire to perform will qualify under the Defense Minerals Exploration Administration program and can be fitted into the existing contract, you should submit the original and five complete copies of your request for such additional work as you desire to perform.

It is a practice in this office that all matters pertaining to administration of ERDA contracts be resolved on the basis of written communication for record purposes. Therefore, we will appreciate receiving your written request for the Government's approval of additional work, or advise by return mail that you wish to terminate the Contract in its present status.

Very truly yours,

Original signed by
W. M. TRAVER
W. M. Traver
Executive Officer, ERDA
Field Team, Region III

JWT:prl

cc: Chairman, Op. Comm. (2) } w/copy of Operator's letter of November 8.
Marshman
Shaw
Corres. file
Townsend
Chron.

COPY

REVIS & REVIS
DMEA 3678 - Idm-E854
Bellveu, Colo.
Nov. 8, 1956

Mr. W. M. Traver,

In answer to your letter of Oct. 30, 1956. You asked for our "reasoning that further exploration work under the provisions of the Contract is not warranted."

We were given the impression by the field team that no more of our Contract would be approved.

THe D.M.E.A. geologists said that since the veins didn't get better they thought it unnecessary to continue.

However, we plan to explore two veins that dipped off the shaft. This work we plan to do on our own.

/s/ Kenneth J. Revis

/s/ H. L. Revis

11/1/56

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

RECEIVED NOV 1 1956 DMEA

224 New Customhouse
Denver 2, Colorado

October 30, 1956

Messrs. Kenneth J. Revis
and H. L. Revis, Partners
Sportsman's Lodge
Bellview, Colorado

Re: Docket No. DMEA 3678 (Uranium)
Contract No. Idm-8854
Kenneth J. Revis and H. L. Revis,
Partners (Spring claim group)
Larimer County, Colorado

Gentlemen:

Reference is made to the matter discussed in the last paragraph of our letter to you of October 24, 1956.

Even though we have today received your final report pertaining to the work completed under the Contract, as a matter of form we will appreciate receiving your request for termination of the Contract in its present status.

Your request for termination of the Contract should state your reasoning that further exploration work under the provisions of the Contract is not warranted.

Very truly yours,

Original signed by
W. M. TRAVER

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

JWT:prl

cc: Chairman, Op. Comm. (2)
Shaw
Harshman
Townsend
Corres. file
Chron.

10/26/56

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

RECEIVED
OCT 26 1956

224 New Customhouse
Denver 2, Colorado

October 24, 1956

Messrs. Kenneth J. Revis
and H. L. Revis
Sportsmans Lodge
Bellview, Colorado

Re: Docket DMEA 3678 (Uranium)
Contract Idm-E854
Kenneth J. and H. L. Revis, Partners
Spring claim group
Larimer County, Colorado

Gentlemen:

The completion date for Contract Idm-E854 is October 31, 1956. Therefore, if you are desirous of maintaining the contract in force subsequent to that date, you should immediately submit for consideration by the Government a request for extension of the date fixed for completion of the contract work for such specific additional time as you deem will be necessary. As soon as possible you should submit a separate request outlining the additional work that you wish to perform under the contract.

In the event that you do not desire to maintain the contract in force and to perform additional work, you should immediately submit a request that the contract be terminated in its present status.

Very truly yours,

Original signed by
W. M. TRAVER

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

JDC:jy
cc: Corresp. E854
Chm. Op. Comm. (2)
Shaw (2)
Townsend
Chron.

chey

8/20/56

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

Administrative Audit Difference Statement

Dr. Kenneth A. O. L. Sorta
Gunston Gar Corp.,
Golden, Colorado

Date: August 13, 1956
Payee's Reference: July 1956

FINAL DISTRIBUTION
MADE AUG - 6 1956

DMEA-3678

Gentlemen:

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

Amount Claimed $ 075.00

Difference $

Amount Approved $ 075.00

The reason for the difference was due to:

Withhold $20.00 pending additional work under the contract or resolution of all matters relative to closing the account.

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

Very sincerely yours,

N. E. Stokes
Audit Section

RECEIVED
AUG 20 1956

R-III-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

August 9, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3678 (Uranium) Contract Idm-E854, Revis and Revis (Spring claim group) Larimer County, Colorado. Operator's Monthly Progress Report for the month of July, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report, except for the following deduction.

Withhold an amount of $400.00 pending additional work under the contract. If no further work is approved by the Government, continue to hold the above amount pending resolution of all matters relative to closing the account.

Remarks

Date of Report - - - - - - - - - - - - - - - - - August 2, 1956
Date Received in Field Office- - - - - - - - August 6, 1956
Date Received in Region Office- - - - - - - August 7, 1956

W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E854
Sec. Op. Comm. (2)
Shaw (2)
Townsend w/copy engr's report
Chron.

DMEA
Date Rec'd.

AUG 7 1956

BUREAU OF MINES
Denver, Colorado

REGION III

Building 25
Denver Federal Center
Denver 2, Colorado
August 6, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3678 (Uranium) Contract Ida-3854, Revis and Revis, (Spring claim group) Larimer County, Colorado -- Progress report for July 1956

The progress reported this period under the subject short-form contract -- 25 feet of drifting westerly on the new 75-foot level of the Spring No. 1 shaft -- was verified during an inspection July 23, 1956.

On the date of inspection, the 75-foot level drift had been extended a total of 30 feet westerly from the shaft. It was timbered for the full distance. The operator has been reimbursed previously for 5 feet of drifting and 5 feet of drift timbering on this level. The 25 feet of drifting and 25 feet of timbering reported for the July period, therefore, is valid and proper.

The drifting completed during the period continued within a highly fractured schist. The heading remained within the north-south trending shear zone which apparently is the structural control for the uranium deposition nearer the surface. Radioactivity was not detected along the new 75-foot level. The schist is believed to be a poorer host for ore deposition than are the pegmatite and granite encountered at higher elevations in the shaft.

All of the Stage II exploration presently permitted by the Field Team has now been completed. Additional work under Stage II does not appear warranted on the basis of present exposures. The final decision on whether or not to continue the authorized exploration, however, was withheld pending the results of certain long hole drilling from higher levels in the shaft. Such drilling will be carried out without Government assistance.

The project work completed during July conforms with the terms of the contract and is within the work limits set by the Field Team. The $875.00 total costs reported on the operator's MF-104 forms for this period -- equivalent to 25 feet of drifting and 25 feet of drift timbering at the agreed upon unit prices of $31.00 and $4.00 per foot, respectively -- are approved. Reimbursement to the operator of 75 percent of the approved reported costs, or $656.25, is valid and proper. Inasmuch as this may be the Government's final reimbursement to the operator under the terms of the contract, the usual percentage should be withheld pending a decision as to whether or not project operations will continue.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/mu
cc: 6
16m-8854
Chron

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

Budget Bureau No. 42-R1036.5

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

Month of July 1956 Docket No. DMEA 8676 Contract No. [illegible]
Operator's Name Kenneth J. Revis and S. L. Revis Minerals Uranium
Address Fortuna's Lodge, Silvus, Colo. 76
Contract Amount, $ 11,000.00 Government Participation: ____ % Amount, $ 8,800.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Shaft sinking		$4900.00	$4900.00			
Bulldozing		15.00	15.00			
Crosscutting						
Drifting	$775.00	165.00	940.00			
Timber on drift	100.00	30.00	130.00			
(2) Labor and Supervision:						
Prep. of Plant site		950.00	950.00			
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	$875.00	$5640.00	$6515.00	875.00	5640.00	6,515.00

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

Date August 2 *Payee Kenneth J. Revis and S. L. Revis

Per _____ Title Partner Kenneth J. Revis

*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:

$ 256.25

Signature _____ (Authorized Certifying Officer)

Date 8/14/56 Vou. No. 2270-57-19

(See other side)

RECEIVED AUG 30 1956

Note: Withhold 400.00

(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. 8854 in accordance with the terms of the contract.

Signature R. P. Palmer, $6625 Title Mining Engineer Date August 6, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Lamey Title Executive Officer Date AUG 9 1956

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1956 Docket No. DMEA 3078 Contract No. IDM-3-254
Operator's Name Kenneth J. Davis and H. L. Davis Minerals Uranium
Address Sportsman's Lodge, Bellvue, Colo.

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	feet	$775.00	25	$ 930.00	30	$31.00	100	$31.00
Crosscutting timber	feet	100.00	25	120.00	30	4.00	35	4.00
Raising								
Shafts	feet			4500.00	60	75.00	100	75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching sample analyses	each			15.00	3	5.00	33	5.00
Test Pits								
Roads and Trails Prep.								
of shaft site	job			950.00	job	950.00	job	950.00
Total Distributed Costs		875.00	25	6515.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$875.00		$6515.00				

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 August 3 Operator Kenneth J. Davis and H. L. Davis

Per Kenneth J Davis H L Davis Title Partner

Remarks:

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

(Instructions on reverse)

(For Government use only)

RECEIVED
AUG 20 1956

R. L. Bolmer

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

PARTIAL REPORT for July
Kevis and Kevis
[illegible] 5678
Contract No. [illegible]

We drifted twenty-five feet to the southwest. No radioactivity was found. The formation is broken up very bad and heavy caving was incountered. Chlot and a quarts pignate were the formations.

We are now doing some long hole drilling on the northeast corner of the shaft.

Kenneth J. Kevis
Kenneth J. Kevis

H L Kevis
H. L. Kevis

8/14/56

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

RECEIVED
AUG 13 1956

224 New Customhouse
Denver 2, Colorado

August 9, 1956

Messrs. Kenneth J. Revis and
H. L. Revis, Partners
Sportsmans Lodge
Bellview, Colorado

Re: Docket DMEA-3678 (Uranium)
Contract Idm-E854
Kenneth J. Revis and H. L. Revis,
Partners
Spring claim group
Larimer County, Colorado

Gentlemen:

Form MF-104, Operator's Monthly Report and Voucher, for July, 1956 has been received in this office and is being processed for payment.

All currently authorized work has been completed. Therefore, an amount of $400.00 is withheld from the July, 1956 voucher pending additional work under the contract, or if no further work is approved by the Government and performed by the partnership, this amount shall continue to be held pending resolution of all matters relative to closing the account, which includes the following

1) Termination of the contract.

2) Rendering by the partnership to the Government an adequate final engineering and geologic report as stipulated under Article 6 (c) of the contract form.

3) Release to this office of a Report of Review of contract expenditures by the Contract Administration and Audit Division, DMEA.

As soon as you have reached a definite decision regarding possible additional work, please submit for consideration by the Government your request for additional work or for termination of the contract.

Very truly yours,

W. M. TRAVER

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

JDC:jy
cc: Corresp. E854
Sec. Op. Comm. (2)
Shaw (2)
Townsend
Chron.

8/2/56

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

RECEIVED
AUG - 1 1956

224 New Customhouse
Denver 2, Colorado

July 20, 1956

FINAL DISTRIBUTION
MADE JUL 30 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3678 (Uranium) Contract Idm-E854, Revis and Revis (Spring claim group) Larimer County, Colorado. Operator's Monthly Progress Report for the month of June, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-208A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report----------July 2, 1956
Date Received in Field Office---------- July 6, 1956
Date Received in Region Office---------- July 18, 1956

W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E854
Sec. Op. Comm. (2)
Shaw (2)
Chron.

DMEA
Date Rec'd.
JUL 18 1956
BUREAU OF MINES
Denver, Colorado

REGION III

Memorandum

Building 20
Denver Federal Center
Denver 2, Colorado
July 17, 1956

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

RECEIVED
JUL 1 1956

From: R. L. Bolmer

Subject: DMEA 3678 (Uranium), Contract Idm-2854, Ravis and Ravis (Spring claim group), Larimer County, Colorado--Progress report for June 1956

The progress reported this period under the subject short-form contract--sinking the Spring No. 1 shaft a distance of 15 feet to a depth of 78 feet below its collar and drifting 5 feet westerly from the shaft at a depth 75 feet--was verified during an inspection of the property July 6, 1956.

At the close of the previous reporting period (May 1956), the operator had completed 45 of the 50 feet of sinking authorized under Stage I of the contract. This project advance placed the bottom of the shaft at a depth of 63 feet below its collar. During June, the final 5 feet of Stage I sinking plus 10 feet of Stage II sinking was completed. The performance of the latter work was authorized by the Field Team on June 20, 1956. The operator sank the shaft an additional 3 feet below the maximum depth authorized by the Field Team. The cost of this latter work, however, is not reported for reimbursement by the operator. On the date of inspection, the shaft had been sunk to a total depth of 81 feet below its collar.

Also during the June period, the authorized Stage II crosscut was started westerly from the shaft at a depth of 75 feet below its collar. The Field Team's approval for the Stage II work stipulates that the crosscut be started at a depth of only 68 feet. The rock at this depth, however, was particularly soft and broken up and was unsuitable for a level station. The level, therefore, was started some 7 feet deeper within more solid rock. Lateral exploration at the greater depth is considered to the advantage of the Government and this minor deviation in the authorized specifications is approved.

On the date of inspection, the crosscut heading had been advanced some 14 feet from the southwestern end of the shaft; 7 1/2 feet of this advance had been supported by two standard drift sets. The operator has reported only 5 feet of crosscutting and 5 feet of timbering as being completed during the June period.

The sinking advance during the June period remained within the shear zone which apparently is the controlling structure for the ore deposition. The east corner of the shaft passed out of the quartz-pegmatite rock at a depth of about 76 feet below the collar and entered a highly fractured shist. The 75-foot level crosscut also entered similar material at a point some 5 feet outside of the shaft; the quartz-permatite rock, however, was encountered again in breast of the heading. No radioactivity was detected within the project headings driven during the period.

The $1,300.00 total costs reported for the period on the operator's MF-104 forms--equivalent to 15 feet of shaft sinking at the agreed upon unit price of $75.00 per foot plus 5 feet of crosscutting at a unit price of $31.00 per foot and 5 feet of timbering at $4.00 per foot--are approved. Reimbursement to the operator of 75 percent of the approved reported costs, or $975.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB:sh

cc 6
Idm-E854
Chron.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
AUG - 1 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 195 6 Docket No. DMEA 3678 Contract No. DMA-E 864
Operator's Name Kenneth J. Revis and R. L. Revis Minerals Uranium
Address Bellvue, Colorado
Contract Amount, $ 1,100.00 Government Participation: 75 % Amount, $ 8,250.00

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 shaft sinking	$1100.00	$3375.00	$4800.00			
Bulldozing						
Cross Sample Anoyles		15.00	15.00			
Drifting	155.00		155.00			
Preparation of surveyment		950.00	950.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber on drift	30.00		30.00			
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	$1300.00	$4340.00	$5640.00	1300.00	4340.00	5640.00

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

Date July 2 *Payee Kenneth J. Revis and R. L. Revis

Per H. L. Revis Title Kenneth J. Revis Partner

*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:

$ 975-00

Signature [illegible]
(Authorized Certifying Officer)

Date 7/23/56 Vou. No. DMA 57-11

(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. 6 854 in accordance with the terms of the contract.

Signature R. L. Bolner #975.00 Title Mining Engineer Date JUL 13 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature For W. M. Trevor Title Executive Officer Date JUL 20 1956

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 872893

Form MF-104A
(Rev. Jul 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
AUG - 1 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1956 Docket No. DMEA 3676 Contract No. IDM-E 854
Operator's Name Kenneth J. Revis and H. L. Revis Minerals Uranium
Address Bellvue, Colorado

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	feet	$155.00	5	$ 155.00	5	$31.00	100	$31.00
Crosscutting Drift Timber	feet	20.00	5	20.00	5	4.00	35	4.00
Raising								
Shafts	feet	1125.00	15	4500.00	60	75.00	100	75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching Sample anayals	each			15.00	3	5.00	22	5.00
Test Pits								
Roads and Trails								
Preparation of surface site	job			950.00	job	950.00	job	950.00
Total Undistributed Costs		1300.00		5640.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$1300.00		$5640.00				

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 July 2, 1956 Operator Kenneth J. Revis and H. L. Revis

Per Title Partner

Kenneth J. Revis
H. L. Revis

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)

REMARKS:

(For Government use only)

R. L. Palmer

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

Narrative Report

Revis and Revis
Docket No. DMEA 3678
Contract No. ILM-E 854

RECEIVED
AUG - 1 1956

In sinking the ten feet of stage II for a sump hole and preparing the timber to start drifting. No changes in the formation were incountered. We had what appeared to be a sheer zone on the northeast corner of the shaft which turned out to be float.

In the tunnel the formation for the first five feet was broken up. Now about half of the tunnel is shist with quartz veins in it. This shist and quartz looks like a cone at the present time.

No assays were taken this month.

Kenneth J. Revis
Kenneth J. Revis

H L Revis
H. L. Revis

6/28/56

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

RECEIVED
JUN 28 1956

224 New Customhouse
Denver 2, Colorado

June 25, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3678 (Uranium), Contract Idm-2854, Revis and Revis (Spring Claim Group), Larimer County, Colorado

Enclosed are four copies of project work approval issued by the DMEA Field Team, Region III.

Also enclosed are four sets of data relative to the work approval.

W. M. Traver

W. M. Traver

Enclosures

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

RECEIVED
JUN 30 1956

234 New Customhouse
Denver 2, Colorado

June 20, 1956

Messrs. Kenneth J. Revis and M. L. Revis
Sportsman's Lodge
Bellview, Colorado

Re: Docket DMEA 3678 (Uranium)
Contract Idm-2254

Gentlemen:

Reference is made to your undated letter to Mr. John F. Shaw, Bureau of Mines, Denver Federal Center, wherein you request the Government's approval for the performance of certain work under Stage II of Contract Idm-2254.

This letter constitutes confirmation of verbal approval by the Government for you to sink the shaft an additional 10 feet from that authorized under Stage I in order to provide a sump. In addition, the following crosscutting and drifting are approved:

1. Crosscut westerly from 48 feet depth in the shaft to expose the hanging wall of the shear zone or not to exceed a distance of 30 feet.

2. At the most favorable point in the crosscut, driven under item 1 above, drift southerly in the shear zone. The extent of drifting southerly will depend upon conditions encountered as the work progresses and must be acceptable to the Government.

In no case will the aggregate crosscutting and drifting performed under items 1 and 2 exceed 180 feet.

Nothing in this work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Very truly yours,

DMEA Field Team, Region III

W. M. Traver

E. N. Harshman

JWTsjy
cc: Chair. Op. Comm. (4)
Finance Office, Reg. III
Amend. File, Reg. III
Corresp. File E854
Harshman
Shaw
Townsend
Chron.

DMEA
Date Rec'd.

JUN 20 1956

BUREAU OF MINES
Denver, Colorado

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
June 18, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shea

RECEIVED
JUN 18 1956

From: R. L. Balmer
R. N. Hanshaw

Subject: DMEA 3678 (Uranium) Contract IAm-2854, Revis and Revis, (Spring claim group) Larimer County, Colorado -- Recommendations regarding the continuance of project work under Stage II of the contract

The operator under the subject contract has completed Stage I of the authorized project and has requested Government approval to start Stage II.

The 50 feet of shaft sinking completed under Stage I of the project revealed intermittent ore-grade uranium mineralization within a north-south trending shear zone. The results of the Stage I work are sufficiently encouraging to warrant some additional exploration of the deposit.

Deeper exploration of the zone, as presently provided under Stage II of the project, probably is not warranted until the mineral content across the full width of the zone and along more of its length has been determined. The shaft was collared in a surface cut on a steep hillside. The overburden on the slope is heavy and the zone does not outcrop. The shaft presently is sunk 68 feet below its collar and about 90 feet below the original surface. Any lateral exploration of the deposit south or west from the shaft would rapidly increase this cover.

The most continuous and promising occurrence of uranium encountered to date was confined to a 10- to 15-inch vein within the shear zone. At a depth of 18 feet below the collar, this vein coursed diagonally through the center sections of the shaft. It dipped outside the western limits of the excavation at a depth of some 36 feet. At the present depth, the downward projection of this vein should lie some 20 to 25 feet west of the shaft. At the present depth, the rock encountered in the eastern corner of the shaft is harder and less broken up. It is probable that the shaft is approaching the true footwall of the shear zone.

It is recommended that the operator be granted permission to continue project exploration of the deposit in the manner outlined below.

Inasmuch as the shear zone contains appreciable amounts of water, the shaft should be sunk an additional 10 feet or to a total depth of 78 feet below its collar so as to provide an adequate sump for the lateral exploration headings. This additional depth also may determine the location of the true footwall of the zone. From the presently completed 68-foot depth of the shaft, a crosscut should be driven westerly an estimated 25 to 30 feet to the true hanging wall of the zone. The most favorable section of the zone as exposed in the crosscut then should be explored by drifting in a southerly direction. The extent of the drifting would be determined by the conditions encountered.

R. L. Bolmer

R. L. Bolmer

E. N. Hazelman

E. N. Hazelman

RLB/mr
ec: 9
Idm-2874
Carson

Revis [illegible] Revis
Docket DMA 3678 (Uranium)
Contract IAM-I 854

Mr. John F. Shaw
U. S. Bureau of Mines,
Room 157, Building 20,
Denver Federal Center,
Denver 2, Colorado.

RECEIVED
JUN 28 1956

Dear Sir,

We have completed the first stage of our Contract 3678 IAM-I 854.

We are now sinking approximately another ten feet to put a station in for a tunnel and a sump hole for the water. On the northeast corner of the shaft we are now hitting what appears to be a granite rock formation. In sinking ten more feet, we can determine if we are at the edge of the fault. Then we want to drive a tunnel approximately thirty feet to the south to try and hit the vein that pinned off at about twenty-five feet, also to try and determine how wide the fault is.

We request the field team engineers to inspect this proposed work.

Very Truly Yours,

Kenneth J. Revis
Kenneth J. Revis

H. L. Revis
H. L. Revis

6/27/56

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

RECEIVED
JUN 27 1956

June 15, 1956

224 New Customhouse
Denver 2, Colorado

FINAL DISTRIBUTION
MADE JUN 25 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3678 (Uranium) Contract Idm-2854 (Revis and Revis, (Spring Claim Group), Larimer County, Colorado - Operator's Monthly Progress Report for the Month of May, 1956

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

It is deemed that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-290 A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification arithmetical accuracy within the report.

REMARKS

Date of Report----------June 2, 1956
Date Received in Field Office---------June 5, 1956
Date Received in Region Office--------June 13, 1956

W. M. TRAVER,

Enclosures

W. M. Traver

JRC:ab

cc: MF-104 file 2854
Sec. Op. Comm. (2)
Shaw (2)
Chron.

DMEA
Date Rec'd.

JUN 13 1956

BUREAU OF MINES
Denver, Colorado

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
June 12, 1956

RECEIVED
JUN 27 1956

Memorandum

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

From: R. L. Balmer

Subject: DMEA 3678 (Uranium), Contract Ldm-6854, Revis and Revis (Spring claim group), Larimer County, Colo. -- Progress Report for May 1956

The progress reported this period under the subject short-form contract -- sinking the Spring No. 1 shaft a distance of 16 feet to a depth of 63 feet below its collar -- was verified during an inspection of the property June 8, 1956.

Project operations were recessed during the period November 19, 1955 to May 1, 1956 under the authority of Amendment No. 1 to the contract. The operator returned to the property April 20, 1956 and cleared the snow from the mine access road and surface plant. Preparation for the resumption of sinking operations commenced May 1, 1956. The shaft was unwatered but considerable difficulty was experienced in maintaining the water level with the operator's old pneumatic sump pump. The local R.E.A. agreed to extend electrical power some 2,000 feet to the surface plant. The operator cut and stood the power poles and R.E.A. personnel set the transformers and strung the power cables. The new electric-powered pumps, which the operator purchased and installed in the shaft, proved satisfactory. Project sinking was resumed on May 21, 1956 at a depth of 47 feet in the shaft. The shaft had been sunk and timbered 16 feet to a depth of 63 feet by the end of the month.

Project sinking during this period was continued within the northwesterly-southeasterly trending shear zone which apparently is the controlling structure for the ore deposition. The most continuous and promising occurrence of uranium exposed thus far was confined to a 10- to 15-inch vein within this zone. At a depth of 18 feet in the shaft, this vein coursed diagonally through the center sections of the shaft. It dipped outside the western limits of the excavation at a depth of about 26 feet.

Several other veinlets and pods of ore grade uranium mineralization were encountered at greater depths in the shaft. Most of these strike nearly normal to the apparent course of the shear zone and the main vein exposed above and lie either in or immediately adjacent to an east-west water course that is exposed in the lower sections of the shaft. Only a few of the veinlets and pods encountered at lower depths have extended across the full width of

the shaft. The latest such occurrence was exposed in the northeast corner of the shaft at a depth of 50 feet. It continued to a depth of 54 feet before pinching out. The pod lay adjacent to the water course and did not extend westerly beyond the center of the shaft. A channel sample across a 1-foot width of this pod assayed 0.18 percent U_3O_8.

The project work completed and reported by the operator during the May period conforms with the terms of the contract. The $1,205.00 total costs reported for this period on the operator's NF-10b form--equivalent to 16 feet of shaft sinking at the agreed upon unit price of $75.00 per foot plus one chemical analysis at $5.00--are approved. Reimbursement to the operator of 75 percent of the approved costs for the period, or $903.75 is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc 6
Ida-2354
Chrom.

RLB/ch

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

Budget Bureau No. 42-R1036.5

RECEIVED
JUN 27 1956

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

Month of May, 1956 Docket No. DMEA 3678 Contract No. DMA-2 854

Operator's Name Kenneth J. Revis and H. L. Revis Minerals Uranium

Address Bellvue, Colorado.

Contract Amount, $ $11,800.00 Government Participation: 75 % Amount, $ 8,850.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Shaft Sinking	$1,200	$2,175.00	$3375.00			
Crosscutting						
Drifting						
Sample Analy-	$ 5.00	$10.00	$ 15.00			
ses						
Preparation of	$	950.00	$ 950.00			
(2) Labor and Supervision						
Labor shaft site						
Supervision plant						
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	$1,205.00	$3135.00	$4340.00	1,205.00	3,135.00	4,340.00

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

Date June 2, 1956 *Payee Kenneth J. Revis H. L. Revis

Per Kenneth J. Revis and H. L. Revis Title

*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:

$ 903.75

Signature (Authorized Certifying Officer)

Date 6/18/56 Vou. No. DMA 56-120

(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. 6854 in accordance with the terms of the contract.

Signature R. L. Palmer #903.75 Title Mining Engineer Date JUN - 8 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Mills Title Executive Officer Date JUN 15 1956

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 27 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1956 Docket No. DMEA 3678 Contract No. IDM-E854

Operator's Name Kenneth J. Revis and H. L. Revis Minerals Uranium

Address Bellvue, Colorado.

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	feet	-	-	-	-	-	100	$31.00
~~Crosscutting~~ Timbering	feet	-	-	-	-	-	35	4.00
Raising								
Shafts	feet	$1,300	16	$3375.00	45	$75.00	100	75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Sample Analyses	each	5.00	1	15.00	3	$5.00	32	5.00
Test Pits								
Roads and Trails								
Prep. of surface site and Plant				950.00	job	950.00	job	950.00
TOTAL DISTRIBUTED COSTS		1,205.00		4,340.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1,205.00		$4,340.00				$11,800.00

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 June 2, 1956 Operator Kenneth J. Revis
H. L. Revis
Per Kenneth J. Revis Title H. L. Revis

REMARKS:

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

(Instructions on reverse)

(For Government use only)

R. L. Bolmer

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

Revis and Revis
Contract IDM-2 854
Docket DMEA 2828 (Uranium)

RECEIVED
JUN 27 1956

We started working the first of May but were unable to keep the water out.

We have had electricity run into the mine and installed an electric pump.

We started sinking the shaft on the 21 of May. Work progressed well.

Scoty-pitch appears in the crack of the rockein the Northeast corner of the shaft.

We went down to about sixty-two feet. a vein was opened at fifty feet and was followed for almost four feet. It varyed in width from four to twelve inches. Assay No. 3 is attached, it was taken from a sample cut from the width part of this vein.

At sixty-three feet we hit another water vein just under the leaders of scoty-pitch. At this time we cannot say how much water this new vein will make.

Kenneth J. Revis and
H. L. Revis

H. L. Revis
Signed H. L. Revis (partner)

THE BROWN LABORATORY
2263 Broadway
GRAND JUNCTION, COLORADO

RECEIVED
JUN 27 1956

ANALYTICAL DEPARTMENT

PHONE 1543-W

CERTIFICATE OF ANALYSIS

TO

H. L. Revis
Bellvue, Colorado

Date 5-26-56
Order No. 6715-S

Material: Ore Sample
Received: 5-26-56
For: Analysis

Lab. No.	Your No.	Description	%U_3O_8	~~%V_2O_5~~ % eU_3O_8	%$CaCO_3$
6715-1			0.18	0.13	

Analyst.

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

MAR 7 1956

Mr. Earl L. Ravin
[illegible] Avenue
Longmont, Colorado

Re: Docket No. DMEA-[illegible] (Uranium)
Ravin and Ravin
Spring Claim Group
Larimer County, Colorado

Dear Mr. Ravin:

Reference is made to your letter of March 1, 1956, requesting permission to obtain information on the subject property.

Since you did not state the nature of the information desired and did not enclose a copy of Mr. Ravin's letter, we are unable to make a decision on the matter.

We assume that you are seeking certain information that is available to the Government. If such information is also available to Ravin and Ravin, we would expect you to get it from them. If it is not available to them, we would not be in a position to make it available to you. On the other hand, if you are seeking corroboration of information furnished you by Ravin and Ravin, we shall be pleased to consider your request upon receipt of the proper authorization from Ravin and Ravin and a description of the information desired.

Sincerely yours,

C. O. Mitterdorf

Administrator

MChing/gla
3-7-56
cc to: Admr.'s Reading File
Docket
Messrs. JHCrawford, Rm. 3041
TWHillegard, Rm. 5[illegible]
JMestad, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2) w/1 cc incoming letter

Longmont, Colo

Mar. 1, 1956

Mr. C. O. Mittendorf, Adm.

Defense Minerals Exp. Adm.

Washington 25, D. C.

Dear Sir:

I was told today at the D.M.E.A. office here in Denver, to write you for permission to get the information on the Revis & Revis property located in Larimier Co. Colo. In Sec. 14, T8N, R75W. The claims are called the Spring Claim Group (3).

I filed a letter today at the A.E.C. out at Federal Center, Denver Bldg. 40, with Mr. Grossman. Signed by Mr. Revis, to give me the information as his Agent.

I hope to hear from you soon. Thanks.

Earl E.Lewis

28 Knox Ave.

Longmont, Colo.

c
o
p
y

Original to M&F docket 3/7/56

11-21-55

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

RECEIVED
NOV 18 1955

224 New Customhouse
Denver 2, Colorado

November 16, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3678 (Uranium), Contract Idm-N854, Revis and Revis, Larimer County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report, Forms 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, 1955.

W. M. Traver

By J. W. Townsend

Enclosures

JWT:jrl
cc: MF 104 File N854
Shaw (2)
Chrem.

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

RECEIVED
NOV 18 1955

224 New Customhouse
Denver 2, Colorado

November 14, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3678, (Uranium) Contract Idm-E854, Revis and Revis, Spring claim group, Larimer County, Colorado. Operator's Monthly Progress Report, for the period October, 1955

Enclosed are the original and four copies each of Forms 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 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report- - - - - - - - - - - - - - - - November 3, 1955
Date Received in Field Office- - - - - - - November 7, 1955
Date Received in Region Office- - - - - - November 10, 1955

W. M. Traver

By J. W. Townsend
J. W. Townsend

Enclosures
JDC:jy
cc: MF-104 File E854
Sec. Op. Comm. (2)
Shaw (2)
Chron.

Building 20
Denver Federal Center
Denver 2, Colorado
November 9, 1955

REGION III

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shea
Supervising Mining Engineer

From: R. L. Palmer

Subject: DMEA 3678, Contract Idm-1854 (Uranium), Nevis and Nevis (Spring claim group), Larimer County, Colo. Progress report for October 1955

The progress reported this period under the subject, short-form contract - sinking the Spring No. 1 shaft a distance of 12 feet to a depth of 47 feet below its collar - was verified during an inspection of the property November 2, 1955.

Heavy snowfall and sub-normal temperatures in the area hampered project operations during the period. The shaft continued to make moderate quantities of water. Most of the water that collects in the shaft overnight is removed by bailing at the start of each shift. A gasoline sump pump is utilized to remove the remainder of the accumulated water and to maintain its level during the operating shift. It was reported that the air intake parts in the pump freeze up after only a few minutes of operation. Once the pump has stopped, the water in the discharge column also freezes. The extension of local R.E.A. power lines to the site and the installation of an automatically controlled electric pump is being considered by the operator. About 2,000 feet of transmission line would be needed.

On the date of inspection, project operations had been stopped temporarily until repair parts for the sump pump could be obtained in Denver. Approximately 20 feet of water was standing in the shaft. Measurements taken with a weighted tape indicated that the shaft had been sunk an additional 15 feet during the month of October to a total inclined depth of 59 feet below its collar. The operator stated that the bottom three feet of the excavation had not been timbered and, therefore, was not being reported for reimbursement this period.

At a depth of some 40 feet below the collar, the shaft reportedly encountered a mineralized zone of fractures that paralleled the main shear zone in strike but dipped steeply in the opposite direction. It is reported that this zone reached a width of about 2 feet just before dipping outside the northern limits of the excavation at a depth of 48 feet below the collar. The operator's sample of the structure at this approximate location assayed 0.165 percent U_3O_8. Copies of the chemical analysis for this sample from Charles O. Parker & Co. are submitted with the operator's report.

The $905.00 total costs reported for the period on the operator's MT-104 forms - equivalent to the completed 12 feet of shaft sinking at the agreed upon unit price of $75.00 per foot plus one chemical analysis at the authorized price of $5.00 - are approved. Reimbursement to the operator of 75 percent of the approved reported costs, or $678.75, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc 6
Idm-1854
Chron.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
NOV 18 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1955 Docket No. DMEA 3678 Contract No. Idm-E854
Operator's Name Kenneth J. Revis and H. L. Revis Minerals Uranium
Address Sportsman's Lodge, Bellvue, Colorado
Contract Amount, $11,800.00 Government Participation: 75 % Amount, $8,850.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drilling~~ Shaft						
~~Bulldozing~~ Sinking	$900.00	$1,275.00	$2,175.00			
~~Crosscutting~~ Sample						
~~Drifting~~ Analyses	$ 5.00	$ 5.00	$ 10.00			
Preparation of surface site and plant		$ 950.00	$ 950.00			
(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	$905.00	$2,230.00	$3,135.00	905.00	2230.00	3135.00

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

Date Nov. 3, 55 Payee Kenneth J. Revis and H. L. Revis

Per H. L. Revis Title Partner

*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:

$ 678.75

Signature RRA
(Authorized Certifying Officer)

Date 11-16-55 Vou. No. DMA-56-44
(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. E854 in accordance with the terms of the contract.

Signature R. L. Bolmer 678.75 Title Mining Engineer Date NOV - 8 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature for W. M. Fowler Title Executive Officer Date NOV 14 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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
NOV 18 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 195 5 Docket No. DMEA 3678 Contract No. Idm-E 854
Operator's Name Kennth J. Revis and H. L. Revis Minerals Uranium
Address Sportsman's Lodge, Bellvue, Colorado

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 Drift	feet	-	-	-	-	-	100	$31.00
Timber	feet	-	-	-	-	-	35	$ 4.00
Raising								
Shafts	feet	$900.00	12	$2,175.00	29	$75.00	100	$75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching Sample Analyses	each	$ 5.00	1	$ 10.00	2	$10.00	22	$ 5.00
Test Pits								
Roads and Trails								
Prepl of surface site and plant	Job			$ 950.00	Job	$950.00	Job	$950.00
TOTAL DISTRIBUTED COSTS		$905.00		$3,135.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$905.00		$3,135.00				$11,800.00

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.

REMARKS:

Date 11/ 3/55 Operator Kennth J. Revis and H. L. Revis

Per H. L. Revis Title Partner

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

(Instructions on reverse)

(For Government use only)

R. L. Bolmer

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

NARRATIVE REPORT
[redacted]VIS AND R[redacted]VIS DMEA 3[redacted]
FOR OCTOBER DATE 11/3/55

Work on sinking the shaft has been hindered greatly by cold weather, causing trouble in pumping the water.

At forty feet a vein came in at the northwest corner of the shaft. It is mostly sooty pitch being in the cracks between the rocks. However some has been in the rock themselves.

This vein is running almost the same angle as the veins at the 25 to 30 ft. level but is dipping to the northwest whereas the others were dipping to the southwest. The vein has reached a width of two feet at fortyeight feet from the collar.

The formation is granite and some quartz.

Assay No. 2 is attached.

RECEIVED
NOV 18 1955

SIGNED H L Rivis
PARTNER

N.H.B.

2114 CURTIS STREET

TELEPHONE MAin 3-1852

[redacted]

CHEMISTS • ASSAYERS • ENGINEERS

DENVER 5 COLORADO

"URANIUM CENTER"

No 2,

Folio 6643

Date Oct. 25, 1955.

Davis Bros.,
Spencer Heights,
Bellvue, Colorado.

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	URANIUM OXIDE U_3O_8	VANADIUM PENTOXIDE V_2O_5	LIME $CaCO_3$	RADIOMETRIC EQUIVALENT eU	THORIUM OXIDE ThO_2	TOTAL RARE EARTHS	COMBINED COLUMBIUM TANTALUM OXIDES
Sample:	0.165%						

RECEIVED
NOV 18

PLEASE PAY FROM THIS INVOICE AS NO OTHER STATEMENT WILL BE MAILED. THANK YOU.

Charge $ _____ paid.

CHARLES O. PARKER & CO.
CHEMISTS, ASSAYERS and ENGINEERS

11-10-55 [illegible]

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

224 New Customhouse
Denver 2, Colorado

November 8, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3678 (Uranium), Contract Idm-E854, Revis and Revis, Spring Claim Group, Larimer County, Colorado - Change of Address

Enclosed are the original and two copies of an undated letter received November 7, 1955 from H. L. Revis requesting that the address for the partnership of Kenneth J. and H. L. Revis be changed. We have changed our records to comply with the request.

W. M. Traver

By J. W. Townsend
J. W. Townsend

Enclosures

Kenneth J. Revis & H. L. Revis
Sportsman's Lodge,
Bellvue,
Colorado.

DMEA
Date Rec'd.
NOV 7 1955
BUREAU OF MINES
Denver, Colorado

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

J. W. Townsend
Dear Sir:

In reciept of your letter we wish to request a change of address from Jamestown Star Route, Boulder, Colo., to Sportsman's Lodge, Bellvue, Colo.

Thank You,
Sincerely yours,

By H L Revis
H. L. Revis Partner

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

RECEIVED
NOV - 2 1955

224 New Customhouse
Denver 2, Colorado

October 31, 1955

Kenneth J. and H. L. Revis
Sportsmans Lodge
Bellview, Colorado

Re: Docket DMEA-3678 (Uranium) Contract Idm-E854, Larimer County, Colorado

Gentlemen:

A check in payment for work performed during September under Contract Idm-E854 will be mailed to you at the above address. If you want all subsequent checks mailed to the Bellview address, please send a short letter to this office requesting the change. Otherwise, the checks will be sent to Boulder, at the address shown on the contract form.

Also, in preparing monthly reports, please in the future sign all copies of your Narrative Report which accompanies the Forms MF-104 and MF-104A.

Yours very truly,

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

By J. W. Townsend
J. W. Townsend

JDC:jy
cc: Corresp. File E854
Sec. Op. Comm. (2)
Shaw (2)
Chron.

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

RECEIVED
NOV - 2 1955

224 New Customhouse
Denver 2, Colorado

October 28, 1955

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3678 (Uranium), Contract Dm-E854, Revis and Revis, Spring claim group, Larimer County, Colo. - Operator's Monthly Progress Report, for the period September 1955

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 September, 1955.

W. M. Traver

By J. W. Townsend

Enclosures

JWT:pri
cc: MF-104 E854
Chron.
Shaw

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

RECEIVED
NOV - 8 1955

October 17, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3678 (Uranium), Contract Idm-854, Revis and Revis, Spring claim group, Larimer County, Colorado - Operator's Monthly Progress Report, for the period September 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 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

The Operator requests that payment be mailed to the address given on the MF-104 form.

Remarks

Date of Report ----------October 1, 1955
Date Received in Field Office----------October 4, 1955
Date Received in Region Office----------October 7, 1955

W. M. Fraser

Enclosures
JDC:ab
cc: MF-104 File #854
Sec. Op. Comm. (2)
Shaw (2)
Chron

DMEA
Date Rec'd
OCT 7 1955
BUREAU OF MINES
Denver, Colorado

Building 20
Denver Federal Center
Denver 2, Colorado
October 7, 1955

RECEIVED
NOV - 3 1955

REGION III

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: J. F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3678, Contract Idm-2854 (Uranium), Revis and Revis, (Spring claim group), Larimer County, Colorado - Progress report for September 1955

Progress reported this period under the subject short form contract--the preparation of the surface site and plant at the collar of an existing prospect shaft on the Spring No. 1 claim and sinking that shaft 17 feet to a depth of 35 feet below its new collar--was verified during an inspection of the property October 5, 1955.

The initial work authorized under the contract--the preparation of the surface site and plant--commenced September 15, 1955. Certain equipment and materials for the project had been moved to the site prior to that date. The initial work involved enlarging and leveling the surface area surrounding the shaft collar. The collar of the shaft was retimbered. The shaft, to its existing depth of 18 feet below the new collar, was partitioned so as to provide for a hoisting and manway compartment and ladders, air pipe, and a pump column were installed. A 4-post, wooden headframe, with facilities for dumping a shaft bucket and for disposing of waste rock, was constructed over the new collar. A 12- by 15-foot frame hoist house, with corrugated steel siding and roof, was erected adjacent to the collar and the operator's gasoline-powered, single-drum, geared hoist was installed. The operator's gasoline-powered air compressor was installed in a second, similarly constructed surface building that was erected a short distance from the shaft.

Project sinking was started from the existing depth of the prospect shaft, an inclined distance of 18 feet below its newly constructed collar. On the date of inspection, the shaft had been sunk an additional 17 feet to a total inclined depth of 35 feet below its collar.

The shaft has been cribbed tightly to its completed depth and consequently none of the walls of the excavation were exposed for visual inspection. Instead of using regular shaft sets, the operator has laced the excavation with 8-inch round logs. The logs have been framed on each end so as to lay skin-to-skin. The ground near the surface admittedly was loose and broken up but became more consolidated with increased depth. Regular shaft sets (posts and stulls) are all the support needed at the present depth and the operator was so advised.

The black-colored radioactive shear zone, upon which project sinking was started, reportedly widened to 4 feet at a depth of some 25 feet below the collar of the shaft. The one sample taken by the operator during the period reportedly was across a few inches of the zone exposed at or about this depth. The sample assayed 0.186 percent U_3O_8. A grab sample (MLB-134) from a surface stockpile of radioactive material, that had been recovered from the zone at a depth of about 20 feet in the shaft, assayed 0.085 percent U_3O_8.

The zone apparently strikes northwesterly and dips southwesterly. It reportedly passed out of the southwestern corner of the shaft at a depth of some 25 feet below the collar. It was intended that the shaft be sunk along the dip of the radioactive zone. The lower 10 feet of the shaft apparently was driven too steeply and is in the footwall of the zone. The rock exposed in the very bottom of the shaft contains minor amounts of pyrite and arsenopyrite but no significant amounts of radioactive material. The operator was advised to flatten the shaft more rapidly in a westerly direction and to attempt to pick up the main shear zone. If such flattening of the shaft does not produce the desired results within a reasonable depth, a westerly crosscut from the shaft would be advisable to locate the zone.

The shaft is making moderate quantities of water and a few hours are lost at the beginning of each shift while the workings are unwatered. A bailer has been purchased and should shorten the delay at the start of each shift. A pneumatic sump pump has been employed but the compressor capacity is insufficient to operate both the pump and a rock drill simultaneously. If continued sinking under Stage II of the contract is approved, it would be advisable to extend REA lines to the site and install an automatic electric pump.

The $2,230.00 total costs reported for the period on the operator's MF-104 form--equivalent to the preparation of the surface site and plant at the agreed upon unit price of $950.00 for the complete job, 17 feet of shaft sinking at a unit price of $75.00 per foot, and one chemical sample analysis at $5.00--are approved. Reimbursement to the operator of 75 percent of the approved reported costs, or $1,672.50, is recommended.

Please notify the Finance Office that payment to the operator should be mailed to the address shown on the current MF-104 form and not to the address listed in the contract.

R. L. Holmer

R. L. Holmer
Mining Engineer

RLH:ph

cc 6 ✓
Idm-E354
Chron

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
NOV - 2 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 5 195 Docket No. DMEA 3678 Contract No. Idm-E854

Operator's Name Kenneth J. Revis and H. L. Revis Minerals Uranium

Address Sportsmans Lodge, Bellvue, Colorado

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
Drift Timbering	feet	--	--	--	--	--	100	$31.00
Crosscutting	feet	--	--	--	--	--	35	4.00
Raising								
Shafts	feet	$1,275.00	17	$1,275.00	17	$75.00	100	$75.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Sample Analyses	each	$ 5.00	1	$5.00	1	$5.00	22	$5.00
Trenching								
Test Pits								
Roads and Trails								
Prep. of surface site and plant	job	$ 950.00	job	$ 950.00	job	$950.00	job	$950.00
TOTAL DISTRIBUTED COSTS		$2,230.00		$2,230.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 2,230.00		$2,230.00				$11,800.00

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 10/1/1955 Operator Kenneth J Revis and H L Revis

Per H. L. Revis Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

R. L. Bolmer

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
NOV - 2 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1955 Docket No. DMEA 3678 Contract No. Idm-E854
Operator's Name Kenneth J. Revis and H. L. Revis Minerals Uranium
Address Sportsmans Lodge, Bellvue, Colorado
Contract Amount, $ 11,800.00 Government Participation: 75 % Amount, $ 8,850.00

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) Contracts: Short Form						
Drilling						
Bulldozing						
Sinking Shaft	1,275.00	------	1,275.00			
Consulting						
Sampling						
Analyses	5.00	------	5.00			
Preparation of Surface Attempt	950.00	------	950.00			
(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	2,230.00	------	2,230.00	2230.00		2230.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/1/1955 *Payee Kenneth J. Revis & H. L. Revis
Per H L Revis Title Partner

*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:

$ 1672.50

Signature [illegible]
(Authorized Certifying Officer)

Date 10/28/55 Vou. No. DMA-56-37
(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. 6854 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1672.50 gjs Title Mining Engineer Date OCT - 7 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Ramey Title Executive Officer Date OCT 17 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.

NARRATIVE REPORT

Revis and Revis DMEA- 3678

This report covers from September 15 through September 30, 1955.

RECEIVED
NOV - 2 1955

STAGE 1

Preparation of surface site and plant

The shaft is collared with 8" x 16" fir timbers. A four post headframe of 8" x 10" fir timbers. Also installed is a hoist, compressor, one 11'6" wide and 20' long compressor building, one 12' wide and 15' 4" long hoist house. Layed a water discharged line below frost level.

SHAFT

We have sunk the shaft nineteen feet but are only turning in seventeen feet because the last two feet are not timber. Also installed the center Partition, landing and ladders. The vein reached a width of four feet at 28 feet from the collar. There was a water vein on top of the ore vein. This vein was dipping so fast as it was impossible to stay on it with the shaft.

810 CURTIS STREET

TELEPHONE MAin [illegible]

CHEMISTS ○ ASSAYERS ○ ENGINEERS

DENVER 5 COLORADO

"URANIUM CENTER"

Folio 6599

Date Sept. 26, 1955.

Bevis Bros.,
Bellvue,
Colorado.

We hereby Certify, that the samples assayed for you gave the following r

DESCRIPTION	URANIUM OXIDE U_3O_8	TOTAL URANIUM PENTOXIDE V_2O_5	LIME $CaCO_3$	MAGNESIA CARBONATE CO_2	URANIUM OXIDE U_3O_8	[illegible]	[illegible]
Sample:	0.185%						

PLEASE PAY FROM THIS INVOICE AS NO OTHER STATEMENT WILL BE MAILED. THANK YOU.

Charge $ 5.00

CHARLES O. PARKER & CO.
CHEMISTS, ASSAYERS and ENGINEERS

SCCI 11 - ACM
CHARLES O. PARKER

UNITED STATES DEPARTMENT OF THE INTERIOR

224 New Customhouse
Denver 2, Colorado

CERTIFIED MAIL

September 6, 1955

Memorandum

To: Chairman to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3678 (Uranium), Contract Idm-E854, Revis and Revis (Lady Cora Helen and Spring Nos. 1 & 2 claims) Larimer County, Colorado.

Enclosed herewith are the Government, Division, and Docket copies of the subject contract properly executed by the contractor. The contract copies were transmitted to us for signature by your letter of August 11, 1955, forwarded to the Operator for signature by us August 15, and received signed in this office September 1.

The Operator's copy has been sent to him, a copy furnished the Finance Officer, Region III, distribution made to the field offices involved and a copy is being retained in our files.

W. M. Traver

Enclosures

WMT:jy

cc: Correspondence File E854
Christensen)
Shaw (2)) W/Copy of Contract
Harshman)
)
Townsend
Chron.

UNITED STATES DEPARTMENT OF THE INTERIOR

224 New Customhouse
Denver 2, Colorado

September 6, 1955

Kenneth J. Davis
H. L. Davis
Jamestown Star Route
Boulder, Colorado

Re: Docket DMEA-3678 (Uranium)
Contract Idm-8854

Gentlemen:

Enclosed herewith is the Operator's Short-Form copy of Exploration Project Contract No. Idm-8854, Docket DMEA-3678.

Also enclosed are six copies of Form MF-104, "Operator's Monthly Report and Voucher" and six copies of Form MF-104A, "Operator's Unit Cost and Progress Report." At the completion of the first calendar month of operation and monthly thereafter you are required to submit five copies of the form to Mr. John F. Shaw, U. S. Bureau of Mines, Room 137, Building 20, Denver Federal Center, Denver 2, Colorado. The sixth form is for your records.

Please note that the monthly report requires a narrative report which should be accompanied by maps or sketches. The narrative report must be signed by the operator. The monthly report will not be processed for payment unless accompanied by a narrative report. Additional copies of Forms MF-104 and MF-104A will be forwarded to you as required.

For your information and in reply to many questions that have been asked, after Forms MF-104 and MF-104A are received an engineer will check progress and approve your accounts, after which it will be sent to the Regional Office, Region III, U. S. Bureau of Mines, 224 New Customhouse, Denver 2, Colorado, for auditing and vouchering. If the report is in order, a check will be issued by the Treasury Department for the Government's portion of the costs. If you have any difficulty in completing these forms and the reports, please call on Mr. Shaw or this office for assistance.

Your attention is directed to the provision that Stage II work is contingent on the results obtained from Stage I and performance of the work under Stage II is subject to the prior approval of the Government.

When Stage I has been completed you should request approval from this office of the work you propose to perform under the next stage. Your request for the work approval must be in septuplet, complete with a map showing the work performed under Stage I, the work proposed under Stage II and the results of the work performed under Stage I, including assay returns and any other pertinent data which will be of value to the Government in evaluating the work performed under Stage I. You should anticipate a suspension of operations between stages of work to enable the Government geologist and engineer to evaluate the results of the work performed and make their recommendations to this office relative to the additional work you propose.

To eliminate as much delay as possible, if that is of serious consideration, you should expedite forwarding of the results of the work completed and your request for the Government's approval of the additional work you propose.

Field representatives of the Government are not authorized to approve any changes in the work program or contract provisions. Such approval can only be given by the Washington office, DMEA or the DMEA Field Team, Region III which is comprised of W. N. Harshman, U. S. Geological Survey member and W. M. Traver, U. S. Bureau of Mines member.

No oral statement of any person shall modify or otherwise affect the terms or conditions of this contract.

It is a regulation that reimbursement for the cost of work accomplished prior to the date of the contract will not be allowed. It is understood you are starting work immediately and have so notified Mr. Shaw verbally. Therefore, we are entering the date September 15, 1955 as the date on or before which work shall commence in Article 3 of all copies of the contract.

Very truly yours,

W. M. Traver

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

Enclosures

WMT:jy

cc: Correspondence File E854
Chron.
Amendentnt File E854
Chairman Op. Comm. (2)
Shaw (2)
Harshman
Townsend

July 21, 1955

Memorandum

To: Acting Assistant Solicitor, DMEA

From: Michael Ching, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Docket No. DMEA-3678 (Uranium)
Kenneth J. Revis and H. I. Revis
Spring Claim Group
Larimer County, Colorado

copy contract put in docket per Mr. Ching's copy

Will you kindly prepare a short form contract between the Government and the subject Applicant in accordance with the attached draft.

The Field Team has advised that an Owner's Consent to Lien has been requested of the Applicant and will be forwarded to this office as soon as available.

Michael Ching

Attachment

MChing:am
7-21-55
cc to: Docket
Code 700
Mr. Ching

July 21, 1955

Memorandum

To: The Files

From: Michael Ching, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Project Costs
Docket No. DMEA-3678 (Uranium)
Spring Claim Group
Larimer County, Colorado

Estimated costs under the proposed contract are based upon the figures in Table I of the Field Team Report of Examination. These figures have been followed rather closely except for the following points:

(1) Labor and timber costs for drift timbering have been deleted from the overall cost of drifting and shown as a separate item of $4.00 per foot of drift actually timbered.

(2) Depreciation of owned equipment has been reduced somewhat for both sinking and drifting because of the limited requirements for a bulldozer and heavy truck in connection with those operations.

(3) The cost of explosives for shaft sinking was reduced from $637.00 to $525.00.

(4) The cost of fuel and lubricants for shaft sinking was reduced from $800.00 to $600.00.

(5) The resulting unit costs were rounded out to $75.00 per foot for shaft sinking, including timbering, and $31.00 for drifting exclusive of timbering.

The costs as modified are reasonable when consideration is given to the high elevation (9,000 feet) and accompanying severe winters, lack of skilled mining labor in the area, and the fact that the sinking and drifting will be done in granite. Accordingly, a short form unit cost contract appears to be most suitable in this case, especially since most of the work will be done by the two partners.

MChing:am
7-21-55
cc to: Admr. Reading File
Docket (original)
Code 700
Mr. Ching

Michael Ching

7/15/55 gla

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

224 New Customhouse
Denver 2, Colorado

July 8, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Joint Report of Examination, DMEA Docket 3678 (Uranium), Revis and Revis, Spring claim group, Larimer County, Colorado

Enclosed are the original and three copies of the report pertaining to the above application.

We conclude that a small amount of exploration is warranted and we recommend a two-stage project. The first stage should consist of sinking the shaft 50 feet in the shear zone. If the results of Stage I warrant additional exploration, Stage II would consist of sinking the shaft an additional 50 feet or drifting along the vein from the shaft for a total distance not to exceed 100 feet. The total estimated cost is $12,250.00.

We recommend that a contract be prepared on an agreed unit cost basis or actual costs with maximum allowable unit costs established. This would eliminate the necessity of having to liquidate any jointly owned property upon the completion of the contract.

Owner's Consent to Lien have been requested from the applicant and will be forwarded to you.

Nine extra copies of Figures 2 and 3 are attached for possible use in the contract.

DMEA Field Team, Region III

W. M. Traver

W. M. Traver

E. N. Harshman

E. N. Harshman

Enclosures

DMEA
Date Rec'd

JUL 7 1955

RECEIVED
JUL 7 1955

BUREAU OF MINES
Denver, Colorado

TRANSMITTED
JUL - 8 1955

Region III

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
July 6, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: John F. Shaw
E. N. Harshman

Subject: DMEA 3678, (Uranium) Spring claim group, Revis and Revis
Larimer County, Colorado

Enclosed are the original and eleven copies of a joint engineering and geologic report by R. L. Bolmer, mining engineer, Bureau of Mines and D. R. MacLaren, geologist, Geological Survey, covering docket DMEA 3678.

Revis and Revis requested exploration assistance in the amount of $14,529.42 to explore their property by sinking the 20-foot prospect shaft an additional 150 feet. The property was examined on May 16, 1955, by D. R. MacLaren of the Geological Survey and R. L. Bolmer of the Bureau of Mines.

A shallow prospect shaft had exposed uranium mineralization within a steeply dipping shear zone in granite. The examining team concluded that a small amount of work is warranted on the basis of this exposure. It is recommended that a two stage exploration project be approved. The first stage would consist of sinking the shaft 50 feet in the shear zone. If the results of Stage I warrant additional exploration, Stage II would be authorized and would consist of sinking the shaft an additional 50 feet or drifting along the vein from the shaft for a total distance not to exceed 100 feet. The estimated cost of the project is $12,250.00 and the amount of Government participation at 75 percent is $9,187.50.

John F. Shaw
John F. Shaw
Supervising Mining Engineer

E. N. Harshman
E. N. Harshman
Member Field Team

Enclosures
cc 11
DMEA 3678

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

[illegible] MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

MEA 367

Spring Claim Group

Davis and Davis

Larimer County, Colorado

Uranium

Joint Engineering and Geologic Report

by

R. L. Palmer, Mining Engineer
Bureau of Mines

[illegible] R. MacLaren, Geologist
Geological Survey

June 2[illegible], 19[illegible]

IMEA 3678

SPRING CLAIM GROUP
REVIS AND REVIS
LARIMER COUNTY, COLORADO

CONTENTS

Joint engineering and geologic report — Page

Introduction..... 1
Acknowledgement..... 2
Location, topographic and physical features..... 2
History and production..... 4
Ownership and extent..... 6
Geology and description of deposit..... 7
Present status..... 9
Project proposals with costs..... 10
Conclusions and recommendations..... 18

TABLES

1. Summary and distribution of the estimated costs of the recommended exploration project.....at end of report

ILLUSTRATIONS

Figure — Follows page

1. Location map of Spring Claim Group, Larimer County, Colo..... 2
2. Map of the Spring Claim Group, Larimer County, Colo..... 6
3. Plan and section of Spring No. 1 shaft, Larimer County, Colo., showing proposed exploration..... 8

DMEA 3675
SPRING CLAIM GROUP
LARIMER COUNTY, COLORADO

INTRODUCTION

Kenneth J. Bevis and H. L. Bevis of Jamestown Star Route, Boulder, Colo., submitted an application for aid in an exploration project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended. The application, dated January 24, 1955, was assigned Docket No. DMEA 3675 and was forwarded to the DMEA Field Team, Region III for field examination and recommendations.

The applicants are lessees of certain mining property located in Larimer County, Colo. Prospecting and preliminary exploratory work by the applicants had uncovered a showing of uranium on the property. A shallow prospect shaft on the showing had exposed uranium mineralization (pitchblende and uraninite) within a steeply dipping shear zone in granite. Samples from the shaft had indicated that at least some portion of the mineralization within the zone approached or exceeded commercial concentrations. The applicants proposed to explore the occurrence further by means of sinking the prospect shaft an additional 150 feet in depth along the shear zone. The work involved in the proposed project was estimated by the applicants to cost a total of $14,[illegible].42.

The property and the deposit were examined by D. A. Maclaren of the Geological Survey and R. L. Bolmer of the Bureau of Mines on May 16, 1955. H. L. Bevis, one of the applicants, was present during the examination. Earlier examination of the property had not been feasible due to weather conditions in the area.

This report is based on the results of the field examination and is prepared for the purpose of aiding the Field Team, and others concerned, in evaluating the applicants' request for exploration assistance.

ACKNOWLEDGEMENT

Personnel of the Denver Exploration Branch of the Atomic Energy Commission, who previously had inspected the property and sampled the deposit, were consulted regarding the proposed project. Their cooperation in furnishing sample records and other data on the property and in offering their opinion regarding the deposit is acknowledged.

LOCATION, TOPOGRAPHIC AND PHYSICAL FEATURES

The property is located in the NE 1/4 sec. 14 and NW 1/4 sec. 15, T. 8 N., R. 75 W., 6th P. M., Larimer County, Colo. (fig. 1). It is in the Chambers Lake Mining District in the Roosevelt National Forest some 9 miles north of Rocky Mountain National Park.

The property is accessible westerly from Fort Collins, Colo. via 9 miles of U. S. Highway 287 and 45 miles of State Highway 14 to Sportsman Lodge, a summer resort on the north bank of the Cache la Poudre River. The prospect shaft on the Spring No. 1 claim is one mile southwesterly from the lodge via an unimproved dirt road that crosses the river and passes through the Clarence Bliss ranch.

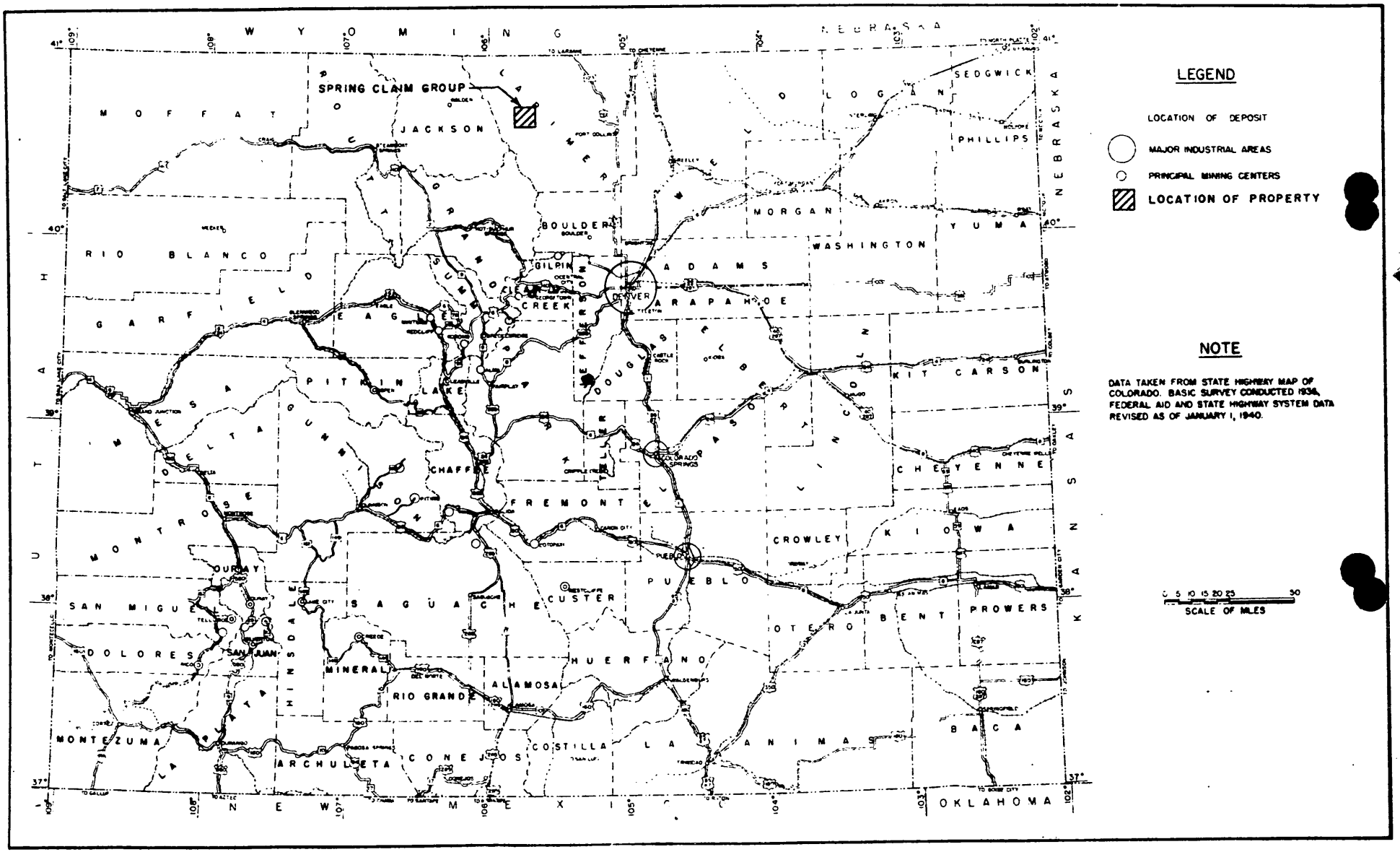


FIGURE 1 - LOCATION MAP OF SPRING CLAIM GROUP, LARIMER COUNTY, COLO. (REVIS & REVIS DMEA 3678)

The claims are located on the steep southern slope of the Poudre River Canyon. The prospect shaft is 3/4 mile south of, and some 1,000 feet higher than, the river at an elevation of approximately 9,000 feet above sea level. The elevation of the mountainous terrain in the vicinity of the property ranges between 8,000 feet in the Poudre Canyon to between 10,000 and 11,600 feet on the higher ridges. The area is characterized by a relatively flat rolling terrain at higher elevations which has been dissected by steep-walled canyons. The drainage of the immediate area is northerly into the Poudre river.

Winters in the area are severe at the higher elevations. The graveled State Highway 14 through the Poudre Canyon is at lower elevations. During the winter, it generally is cleared of snow to the portal of the Laramie-Poudre diversion tunnel, a few miles west of the access road at Sportsman Lodge. Although the property is covered with a heavy growth of timber, it is expected that most of the timber needed for project work will be purchased from local sawmills in the canyon. Water for mining purposes is available from several small streams that cross the property and from a permanent spring near the prospect shaft. Sufficient water for exploration purposes probably will be encountered in the underground workings. Although low-voltage electric power is transmitted through the canyon past the property, higher voltage lines terminate at the State Fish Hatchery in the Poudre Canyon some 6 miles east of the property. Their extension to the property for the purposes of the exploration project is not considered feasible.

Fort Collins, a city of 13,000 population and a shipping point on the Colorado & Southern and the Union Pacific Railroads, is the nearest commercial center. Heavy or specialized mining equipment can be secured in Denver, some 65 miles further south. A spur of the Colorado & Southern Railroad passes through Bellvue, Colo., a community 4 miles northwest of Fort Collins and a trucking distance of about 69 miles from the property.

The property is not near the established mining centers and skilled labor for the project work probably would be in short supply, especially during the summer season.

HISTORY AND PROSPECTING

The deposit was discovered by S. L. Lindsey of Bellvue, Colo., and S. Lee Lindsey of Shoshland, Wyo., during a prospecting trip in the area. Radioactivity was detected in the water from a spring on the property and three claims covering the surrounding ground were located June 30, 1954.

The locators entered into a working agreement with the applicants on September 22, 1954. Under the agreement, the applicants were to prospect the property and to perform certain preliminary exploration on any indicated discovery to determine its general extent and value. In return and if the results of their work had disclosed valuable mineral deposits, the applicants would be granted a mining lease on the property.

The applicants commenced work at the property in October 1954. Two cuts were bulldozed in the overburden on the Spring No. 1 claim. In one cut, radioactivity was detected at a depth of about 6 feet and the weathered schist and overburden were stripped to a depth of some 25 feet. The work revealed a shear zone containing uranium mineralization which the applicants began to explore at greater depths by hand methods. A test pit on the zone was excavated to a depth of about 20 feet below the bulldozer cut. The overburden and weathered schist were soft and unconsolidated. The pit was cribbed to an 8- by 4-1/2-ft. cross section and the remainder of the excavation was backfilled to form a shaft. Since that time, the applicants have improved the access road to the shaft site and moved their heavier mining equipment to the property in preparation for the deepening of the shaft. Subsequent prospecting of the property disclosed an occurrence of autunite in granite outcropping at higher elevations on the Lady Clare Union claim. To date, no exploration has been undertaken on this find.

The property has had no previous production of uranium ore or other minerals and metals. Between 15 and 20 tons of radioactive material, which was recovered at lower depths in the prospect shaft on the Spring No. 1 claim, presently is stockpiled on the surface near the shaft collar.

The applicants were granted a lease on the property beginning February 1, 1955. Their application for exploration assistance (Docket No. DMEA 3578) was dated January 24, 1955.

OWNERSHIP AND ACCESS

The property consists of three unpatented lode mining claims (fig. 2) identified as the Lady Cora Helen, Spring No. 1, and Spring No. 2. All are standard rectangular claims, 1,500 feet in length by 600 feet in width. The claims are contiguous and aggregate approximately 62 acres in total area.

The claims were located June 30, 1954. Their locations are recorded in the names of the locators, H. L. and E. Lee Lindsey, in Book 978 at pages 24, 25, and 26 in the Office of the County Clerk and Recorder, Fort Collins, Colo. The posting and staking of the property, as observed during the field examination, complied with the state requirements. The locations appear to have been made in good faith and apparently are valid.

The existing prospect shaft is on the Spring No. 1 claim some 500 feet in from its northwesterly end line and about 100 feet northeast of its centerline. All of the recommended exploration will occur within the boundaries of this claim.

The recorded locators of the claims have leased the property to Kenneth Revis and H. L. Revis, the applicants for exploration assistance. The lease, dated February 1, 1955, is for a period of 5 years or as long thereafter as ore may be commercially marketed from the property by the lessees. The lease provides for a sliding scale royalty payment to the lessors ranging from a minimum of 10 percent to a maximum of 20 percent on the net value of all ores marketed from the property. In the case

of uranium ore, the gross value of the marketed ore before deductions for freight and milling charges, is the basis for computing the lessors' royalty.

It is understood that the owners will consent to a lien on the property and are willing to subordinate their interests in the property to those of the Government as may be stipulated in any exploration project contract entered into with the applicants.

GEOLOGY AND DESCRIPTION OF DEPOSIT

Rocks in the area are Precambrian gneiss and schist of the Idaho Springs formation that have been intruded by Silver Plume granite, also of Precambrian age. Much of the Idaho Springs formation has been eroded and occurs as "islands" of gneiss and schist on the upper third of the hills and ridges, while the granite forms the lower land surface.

Abnormal radioactivity was first discovered about a spring at the base of a westerly trending ridge. Scintillometer readings in the vicinity of the spring reached a maximum of 2.0 MR/hr, the radiations apparently coming from a limonitic precipitation through which the spring flows. Two trenches were bulldozed along the side of the hill above the spring, the higher one exposing the contact between the gneiss and the intruding granite, and a highly radioactive shear zone. The shear zone is about 3 to 5 feet wide in the granite, but is very difficult to determine in the overlying gneiss. A few small flakes of autunite and an associated greenish, non-fluorescent, radioactive mineral, possibly

torbernite, were found in the gneiss, while in the granite a dark grey to black coating, identified by Jack Adams of the U. S. Geological Survey as sooty pitchblende was found along planes of shearing.

The applicants followed the shear zone to a depth of about 20 feet with a shaft which was cribbed to within about 5 feet of the bottom (see fig. 3). In the shaft the shear zone strikes S. 25° to 30° E. and dips about 75° SW. Within the shear zone there are several sets of cross fractures the strongest of which strikes N. 74° E. and dips 77° NW. Little clay has been developed along any of the shear planes and there probably has not been much displacement. Below the cribbing radioactivity up to 4 MR/hr was recorded. The source of radiation was found to be dark grey to black coatings of sooty pitchblende and hair-like vein fillings (uraninite?) along some of the planes of shearing and cross-fracturing. Samples taken in the shaft by representatives of the Atomic Energy Commission assayed as follows:

Sample No.	Width feet	% eU_3O_8	% U_3O_8	Description
F-32317	3.0	0.90		Granite, south side of shaft.
F-32318	grab	0.07		Joints in weathered granite.
F-32319	2.0	0.11		Alt. granite; 12 ft. below collar of shaft.
F-32320	2.0	0.078	0.13	Pegmatitic granite; 12 ft. below collar of shaft.

A check sample taken by the examiners from a highly radioactive portion of the shear zone at a depth of 18 feet below the collar of the shaft assayed:

Sample No.	Width feet	% eU_3O_8	% U_3O_8	Description
RLB-126	0.[illegible]-1.2		0.239	Granite; black radioactive material along fracture planes near FW of shear zone.

The applicants sent to the AEC at Denver an 80-pound bulk sample of material taken from the shaft. This sample assayed 0.21 percent U_3O_8.

PRESENT STATUS

The present exploration and development of the property consists of two bulldozer cuts and a 20-foot prospect shaft, all on the Spring No. 1 claim. The plan and section of the existing shaft are shown on figure 3. The shaft is cribbed tightly to a depth of 15 feet below the bottom of the bulldozer cut with 10-inch round logs laid skin-to-skin. The excavation outside the cribbing has been backfilled. The cross section of the shaft inside the cribbing is 3 by 4-1/2 feet. The shaft is inclined 84° towards the southwest.

The longer dimension of the shaft bears N. 25° E., or about 55° to the true strike of the shear zone as exposed in the bottom of the excavation (fig. 3). Continued sinking should be along the true dip of the structure. The removal of the cribbing and the realignment of the shaft with its long dimension parallel to the present exposure of the zone is considered impractical inasmuch as the strike of the structure may vary with increased depth. The shaft, however, will have to be eased into more correct alignment as sinking progresses.

A temporary wooden headframe is erected at the collar of the prospect shaft. It will require rebuilding or replacement before being

serviceable for the proposed project. An area about 100 feet wide and some 200 feet in length surrounding the shaft collar has been leveled with a bulldozer. This area is ample for the construction of the needed surface plant and facilities for the disposal of waste rock and the storage of ore. The access road to this site presently is ample for exploration purposes in its present condition. It, however, may require minor improvement and upkeep during the period of the project. It probably will require repairs after heavy rainfall and the removal of snow during the winter season. The wooden bridge across the Poudre River will not support heavy equipment or the continued use of ordinary vehicles for extended periods without additional support and repair.

The only equipment at the site was a gasoline powered centrifugal pump with which the applicants have been keeping the shaft unwatered. Most of the applicants' other mining equipment has been transported to the property but, as yet, has not been moved to, or installed at, the site of the shaft.

PROJECT PROPOSALS AND COSTS

The applicants propose to explore the uranium-bearing shear zone, which presently is exposed in the bottom of the 20-foot prospect shaft on the Spring No. 1 claim, by sinking an additional 130 feet on the zone. No lateral exploration of the structure is proposed. The applicants estimate that the proposed project will cost a total of $14,529.42.

Sinking the full 150 feet on the zone, as proposed by the applicants, is not warranted on the basis of the present limited exposure of

the structure in the prospect shaft. Some 50 feet of sinking along the shear zone, however, is justified on the basis of its present exposure. Any additional exploration of the structure, either laterally or to a greater depth, would be dependent upon the conditions encountered during the initial 50 feet of sinking. The following modified, two-stage exploration project, which was discussed with and is acceptable to the applicant, is recommended for the deposit:

Description of work	Estimated cost
Stage I	
(a) Preparation of surface site and plant at collar of existing prospect shaft on Spring No. 1 claim: Construct 10- by 20-ft. frame building, install hoist, compressor, and other equipment. Erect suitable headframe. Construct facilities for disposal of waste rock. Other preparation work pertinent to the extension of existing shaft to greater depth. (Complete job at $950.00*)	$ 950.00
(b) Sink 50 feet along the uranium-bearing structure presently exposed in bottom of prospect shaft. Sinking will be along the true dip of the structure. The 2-compartment shaft will be sunk to an 8- by 4-ft. minimum cross section inside timbers. (50 feet of shaft sinking at $79.00 per ft.*)	3,950.00
(c) Analysis of samples for U_3O_8 and V_2O_5 (5 analyses at $5.00 each)	25.00
Total estimated cost of Stage I:	$4,9[illegible].00

Stage II	Estimated cost
(a) Sink an additional 50 feet along vein (50 feet of shaft sinking at $79.00 per ft.*)	$3,950.00
(b) Crosscut to and/or drift along the vein from the shaft for an aggregate total distance not in excess of 100 feet. (100 feet of crosscut and/or drift at $55.00 per ft.*)	5,500.00
(c) Analysis of samples (15 analyses at $5.00 each)	75.00
(The actual starting locations and extent of any of the work permitted under Stage II shall be dependent upon the conditions encountered during Stage I sinking and shall require the prior approval of the TVEA Field Team.)	
Total estimated cost of Stage II:	$7,325.00
Total estimated cost of project	$12,250.00
Government participation (75%):	$ 9,187.50

(* Maintenance and repairs to the access road during the project period are included in the unit price.)

The estimated costs of the recommended project and their distribution to the various project operations are detailed in Table I.

Labor and Supervision

The two applicants, both experienced miners, will work full time on the project. In addition, one other full-time man will be employed. Possibly a fourth man will be engaged if the need arises and sufficient labor is available in the area. The following labor schedule has been used in computing the estimated costs of the project (Table I):

Classification	Rate per hour	Average rate per 8-hr. shift, including O.T.
Working foreman-surfaceman	$2.25	$19.50
Miner-timberman	1.75	15.17
Miner-timberman	1.75	15.17

The foreman, one of the applicants, will prepare the required progress reports for the Government without added compensation. Inasmuch as a short-form, unit cost-type of contract is recommended, no estimate for accounting is included in the cost of the project.

Estimated Time for Completion of Project

Initial work can commence immediately upon the approval of the project and the preparation of the contract. The following estimate is made for the completion of the recommended project:

Operation	Average rate of progress	Duration
1. Preparation of surface site and plant	----	15 days or 1/2 month
2. Sink shaft 100 feet	1-1/4 feet/day	80 days or 4 months
3. Drift and/or crosscut 100 feet	3-1/3 feet/day	30 days or 1-1/2 months
Total estimated time for completion:		130 days or approx. 6 months

Considering the lateness of the season, portions of Stage II of the project, if approved, will be carried out during the winter months. Inclement weather in the area during the period may cause intermittent delays in the work and extend the estimated period for completion of the project.

Operating Equipment

The applicants own the following described items of equipment which will be utilized to a greater or lesser degree in the performance of the recommended project work.

Item	Estimated value
Lindervood 5' x 5' single-drum, geared hoist with Ford, Model A engine and 200 feet of 3/4-in. wire rope	$ 490.00
Fairbanks-Morse 2-stage air compressor (rated 165 c.f.m. at 150 r.p.m.) with Hercules gasoline engine	2,700.00
2 - Ingersoll-Rand 45-lb. jackhammers	500.00
Gasoline powered chain saw	225.00
2-1/2-ton flat-bed truck with winch and boom	1,300.00
1/2-ton Chevrolet pickup truck (1951)	750.00
International T39 bulldozer	4,500.00

The above equipment was observed on the property during the examination; and, although not installed or operating, it appeared serviceable and adequate for project work.

The pickup truck will be utilized for transporting small supplies to and from the mine. The larger truck will be utilized for hauling heavy materials and equipment.

Both trucks, the dozer, and the chain saw will be used during the initial preparation work and the standard depreciation rate for such equipment (1/60 of its value per month) has been included in the cost estimate for this phase of the project. During the remainder of the project, the larger truck and the dozer will be used only part time and a use allowance of only one-half the standard rate for these items has been included in the cost estimate for the underground phases of the project. Gasoline, Diesel fuel, oil, and grease for the listed equipment has been included in the cost estimate. Repairs to this

equipment also have been provided for but at a lower rate than estimated by the applicants.

In addition to the foregoing owned equipment, it will be necessary to purchase the following items of operating equipment in order to carry out the recommended work:

Description	Estimated Purchase price
Shaft sinking bucket (used)	$ 30.00
Shaft bailer (used)	50.00
Pneumatic sump pump	300.00
2 end-dump mine cars (used)	100.00
Pneumatic leg for jackhammer	300.00

The salvage value for the unexpended equipment at the completion of the project is estimated at approximately 20 percent of its original purchase price.

Surface Preparation

The project will require some type of surface building near the collar of the shaft which will shelter the hoist and compressor and serve as a warehouse for supplies and as a shop for minor repair work. A 10- by 20-ft. frame building covered with asphalt roofing should suffice. A new wooden headframe, or extensive alterations to the existing temporary structure, will be required. The headframe will require a sheave wheel and facilities for dumping the sinking bucket. Track will have to be laid from the shaft collar to the waste disposal dump. The surface surrounding the collar already has been leveled. Some

additional bulldozer work, however, will be required for the waste disposal dump and the extension of the access road to the immediate plant site.

The surface machinery must be moved to the site and installed. The heavy hoist and compressor may require concrete bases. Native lumber, which can be secured from local sawmills for $80 - 90.00 per M. b.f. will be utilized for most of the required surface construction. A 2-in. compressed air line will be extended from the compressor to the bottom of the existing shaft. A 2-in. pump column will be installed to the present depth of the shaft.

Road Maintenance and Repairs

The access road may require some maintenance and repairs periodically during the life of the project. Washouts after heavy rainfall will have to be filled and snow may have to be cleared during the winter months. A culvert may be needed when the road adjoins a local spring. The wooden bridge over the Pouire River may be damaged by high water or the continued use of heavy equipment may require repair. In addition to the usual allowance for the needed equipment and the cost of the necessary operating materials and supplies, a sum of $50.00 per month, mostly for the required labor, has been included in the cost schedule for the anticipated road maintenance and repair.

Shaft Sinking

The inclined shaft will be sunk along the dip of the presently exposed shear zone. Sinking will start at the bottom (approximately

20 feet below the collar) of the existing prospect shaft. The shaft should be aligned so that it is sunk along the true dip of the structure and so that its long dimension is more or less parallel to its strike.

The shaft will be excavated to about a 9- by 5-foot cross section, or approximately 8- by 4-foot cross section inside the timbers. It will be two-compartment. One compartment will be provided with skids for the sinking bucket; the second, or manway, compartment will be provided with ladders and platforms. Round native timber will be utilized. Eight-inch logs can be purchased locally for about 15 ¢ per running foot.

The shaft probably will continue in granite which should become less fractured with increased depth below the surface. Water will be encountered during sinking but its quantity probably will not be as excessive as the applicants indicate and can be handled in a normal manner.

Drifting and Crosscutting

The lateral headings to be driven from the shaft with the approval of the Field Team will be 7- by 5-foot in cross section and timbered where needed. For the purposes of the cost estimate, one-third of the laterals were considered as requiring timber support. Mine track will be extended along the drifts and crosscuts.

TRANSMITTED
JUL - 8 1955

CONCLUSIONS AND RECOMMENDATIONS

The uranium deposit indicated on the property is relatively unexplored. The property itself is in a new area, an area in which the occurrence of uranium has been unreported heretofore and in which little prospecting and exploration for uranium previously has been undertaken.

The occurrence of commercial grade pitchblende and uraninite within the shear zone on the Spring No. 1 claim does warrant additional exploration and exposure of that structure. Only a small amount of exploration and a low expenditure, however, is warranted on the basis of its present limited exposure. Should the results of the initial work prove favorable, continued and additional exploration of the deposit would then be warranted. There are indications that the deposit may contain significant quantities of uranium ore. The deposit otherwise appears to meet the requirements for exploration assistance by the Government.

The modified two-stage exploration project, the details of which are outlined in this report, is recommended for approval. The total estimated cost of the recommended project is $12,250.00. Government participation would be 75 percent of this amount, or $9,187.50. A short-form, unit cost-type of exploration project contract would appear more feasible in this instance.

The applicants are experienced and reliable individuals who should be able to carry out the recommended project to completion in an efficient and workman-like manner.

Table I.--Summary and distribution of the estimated costs of the recommended exploration project

Items of Cost	Estimated cost	Distribution of estimated costs to project operations: Shaft sinking	Drifting/ crosscutting	New buildings, facilities, surface preparation
Labor and supervision:				
Foreman-surfaceman	$ 2,340.00	$ 1,560.00	$ 585.00	$ 195.00
2 Miner-timbermen	3,640.00	2,427.00	910.00	303.00
Operating Materials and Supplies:				
Timber	575.00*	475.00	100.00	500.00*
Explosives	987.00	637.00	350.00	--
Pipe, fittings	240.00*	125.00*	75.00*	40.00*
Track	100.00*	--	100.00*	--
Drill steel; bits, sharpening	465.00	275.00	190.00	--
Gasoline, Diesel fuel, oil, grease	1,170.00	800.00	300.00	70.00
Air, water hose	100.00	75.00	25.00	--
Small tools, other misc. supplies	365.00	200.00	100.00	65.00
Operating Equipment:				
Depreciation of owned equipment	745.00	500.00	137.00	96.00
Purchase	700.00	300.00*	400.00*	--
Miscellaneous:				
Repairs to equipment	300.00	200.00	75.00	25.00
Liability insurance, payroll taxes	479.00	319.00	120.00	40.00
Analysis of samples (20 at $5 each)	100.00	----Not Distributed----		
Contingencies:				
Maintenance and repair of access road	300.00	200.00	72.00	32.00
Gross Total Estimated Cost:	$12,502.00	$8,033.00	$3,392.00	$1,117.00
Less estimated salvage value of unexpended materials & equipment*:	652.00	195.00	292.00	167.00
Net Total Estimated Cost:	$12,250.00	$7,900.00	$3,300.00	$ 950.00
Government participation (75%):	9,187.50			
Units of work to be completed:		100 feet	100 feet	Complete job
Net unit cost:		$79.00/ft.	$33.00/ft.	$950.00/job

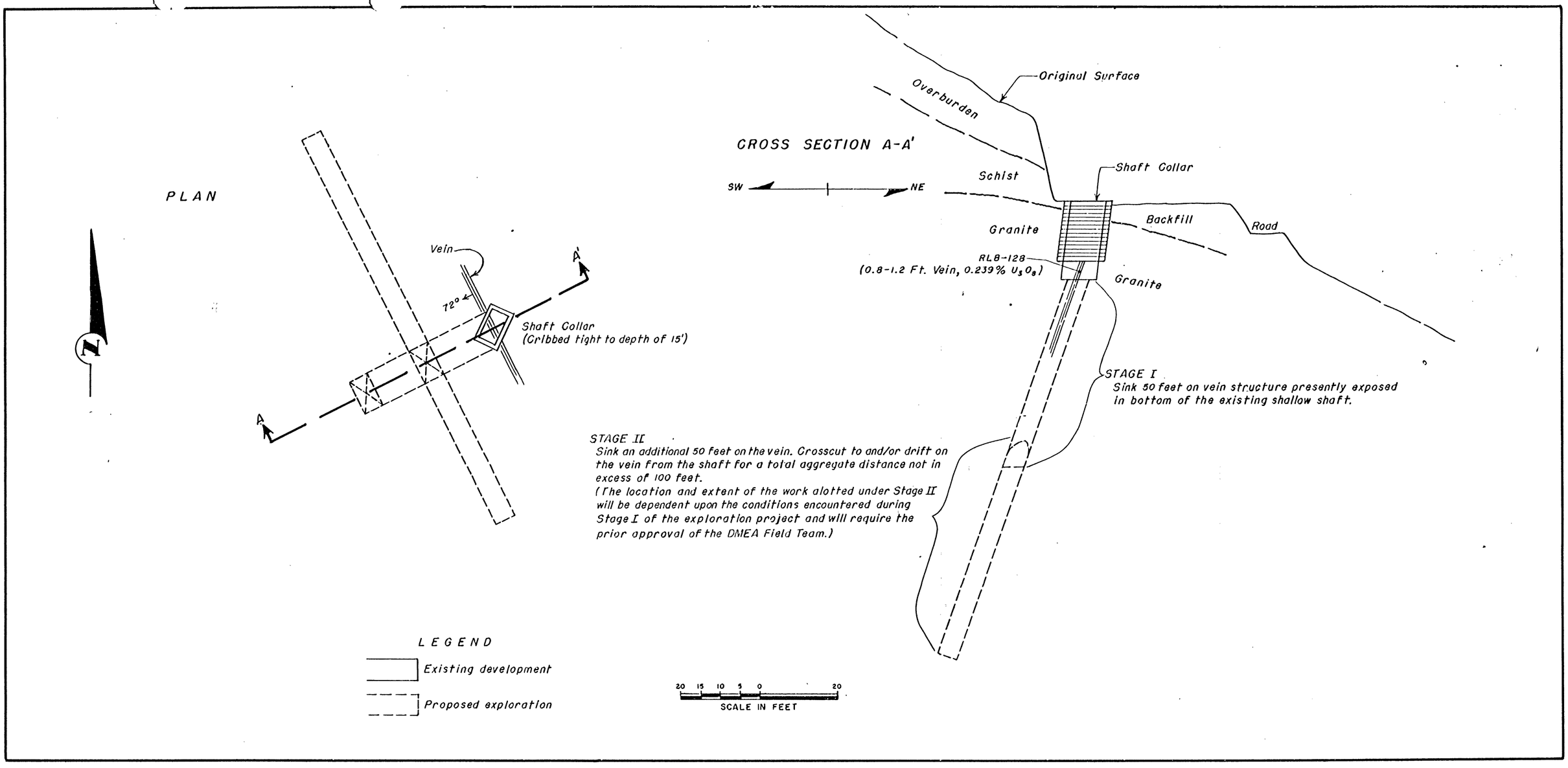


FIGURE 3 - PLAN AND SECTION OF SPRING No.1 SHAFT, LARIMER COUNTY, COLO., SHOWING PROPOSED EXPLORATION, (REVIS & REVIS DMEA 3678)

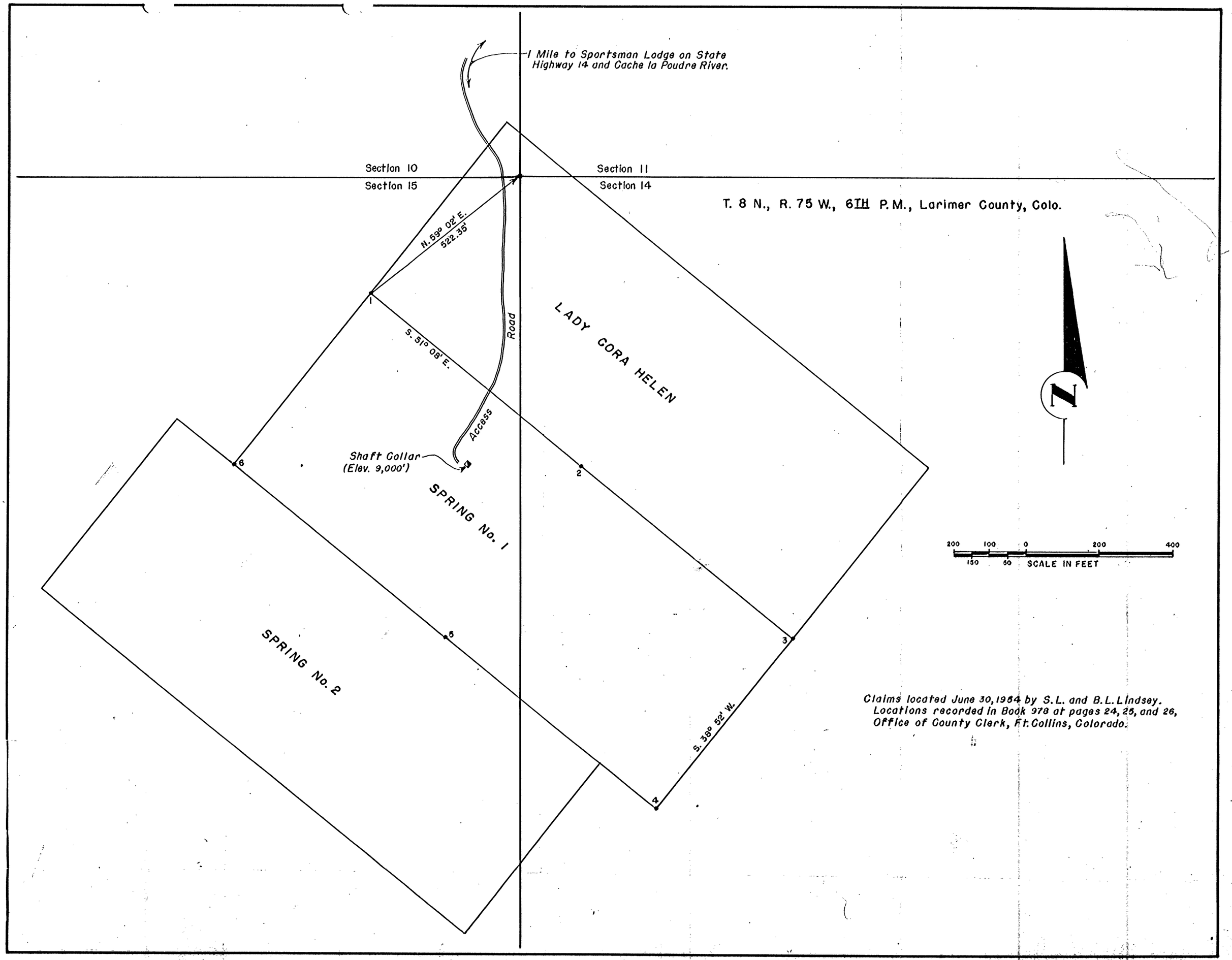


FIGURE 2 - MAP OF THE SPRING CLAIM GROUP, LARIMER COUNTY, COLO (REVIS & REVIS DMEA 3678)

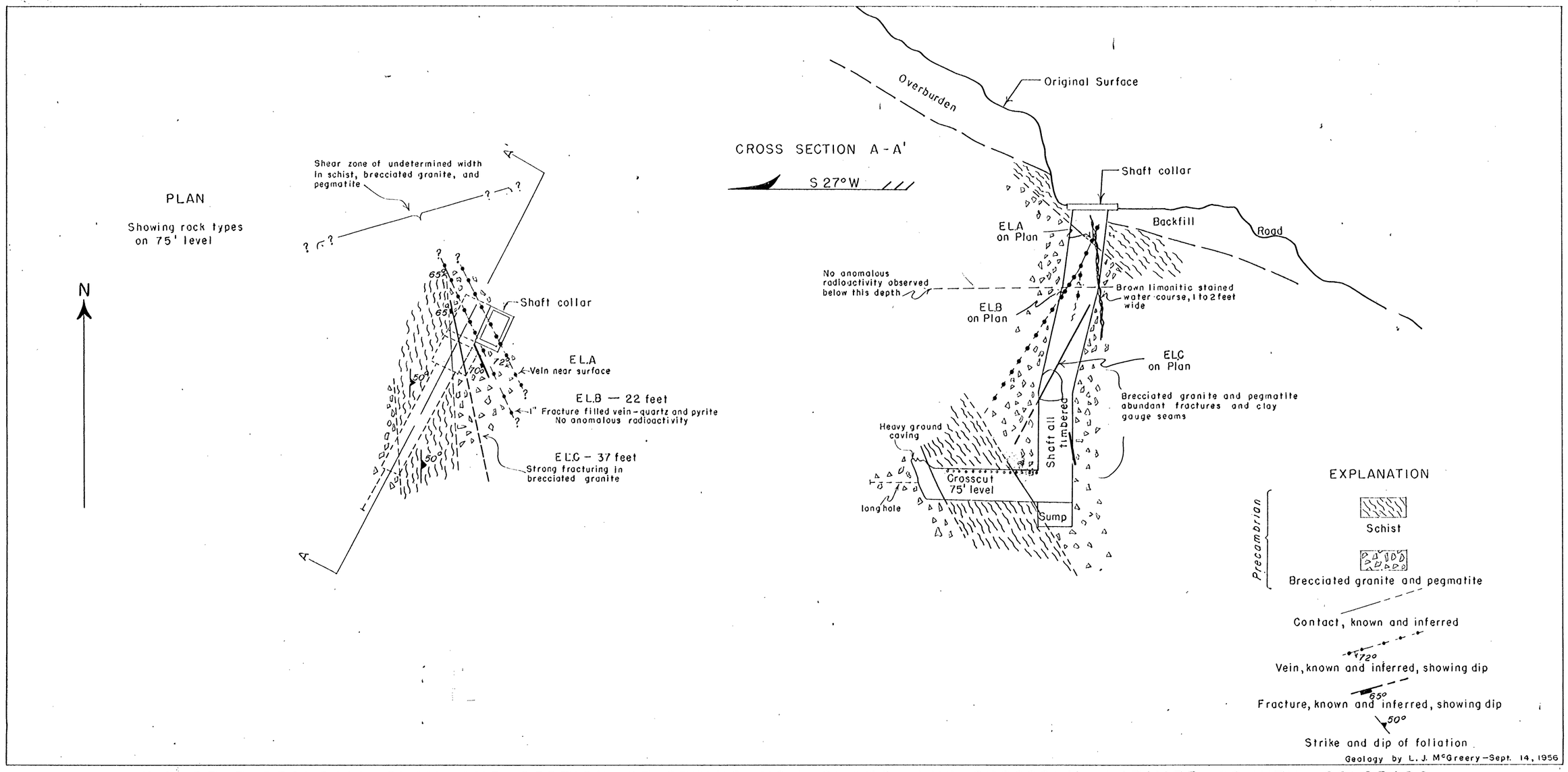
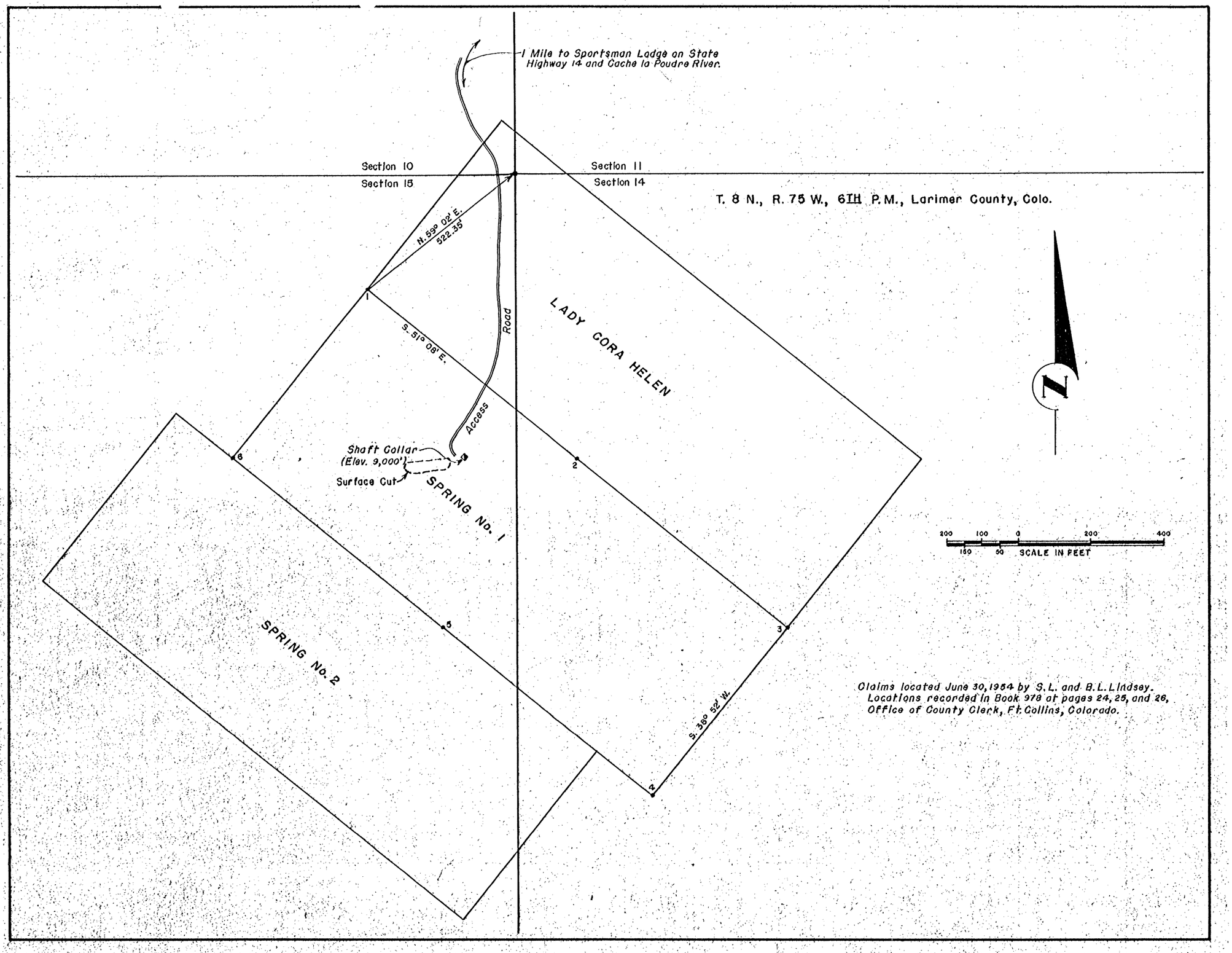


FIGURE 3 GEOLOGIC PLAN AND SECTION OF SPRING NO. 1 SHAFT AND CROSSCUT, LARIMER COUNTY, COLORADO



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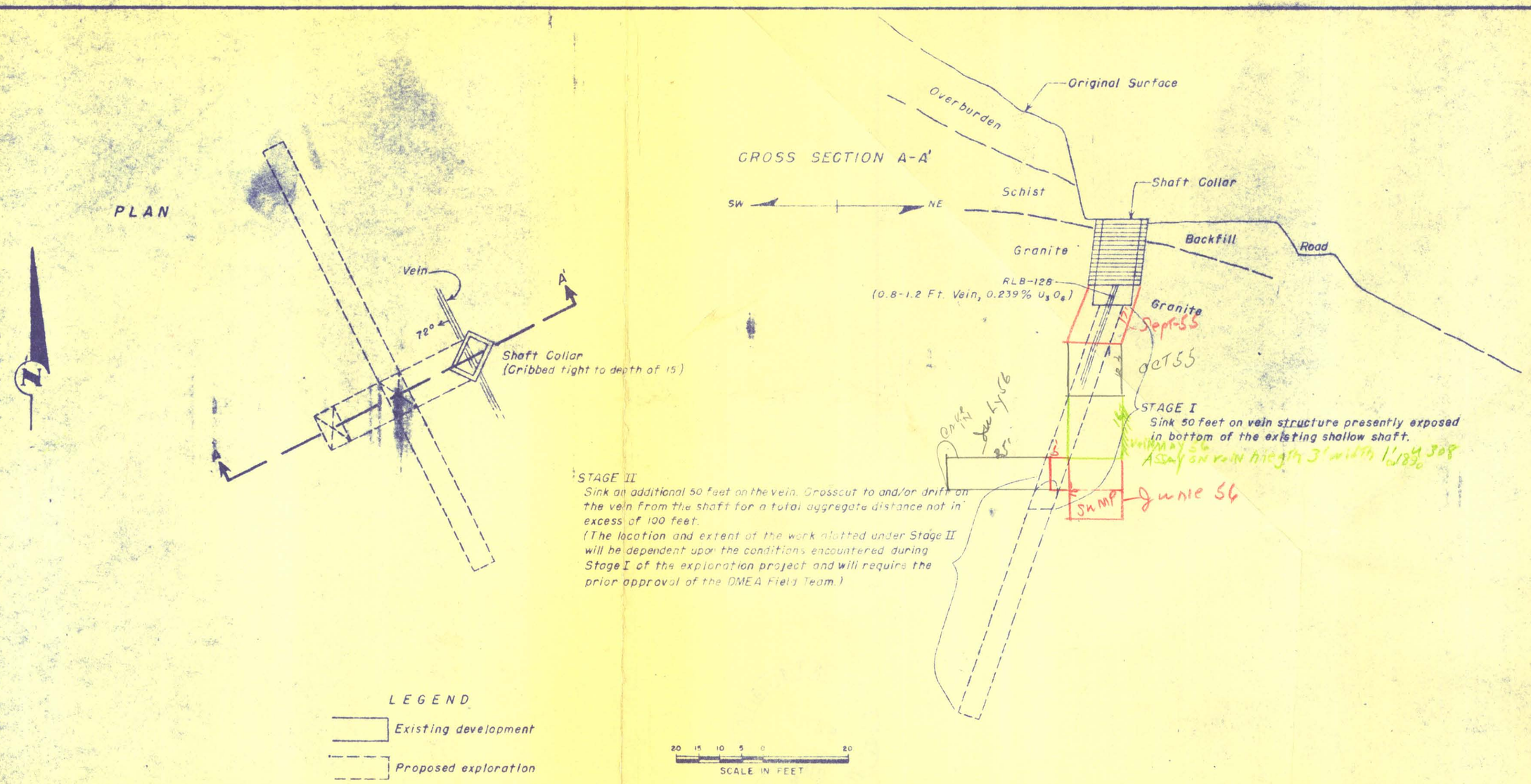

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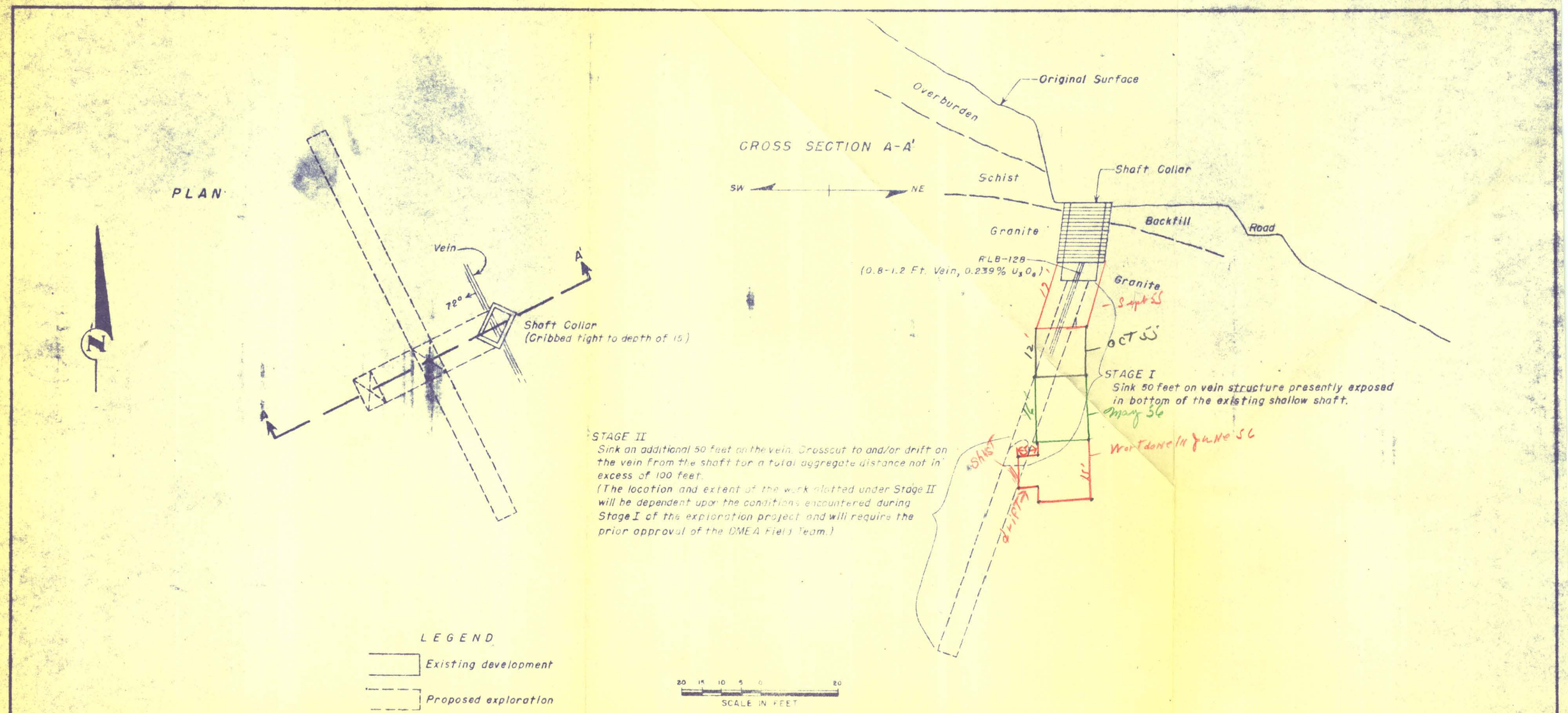

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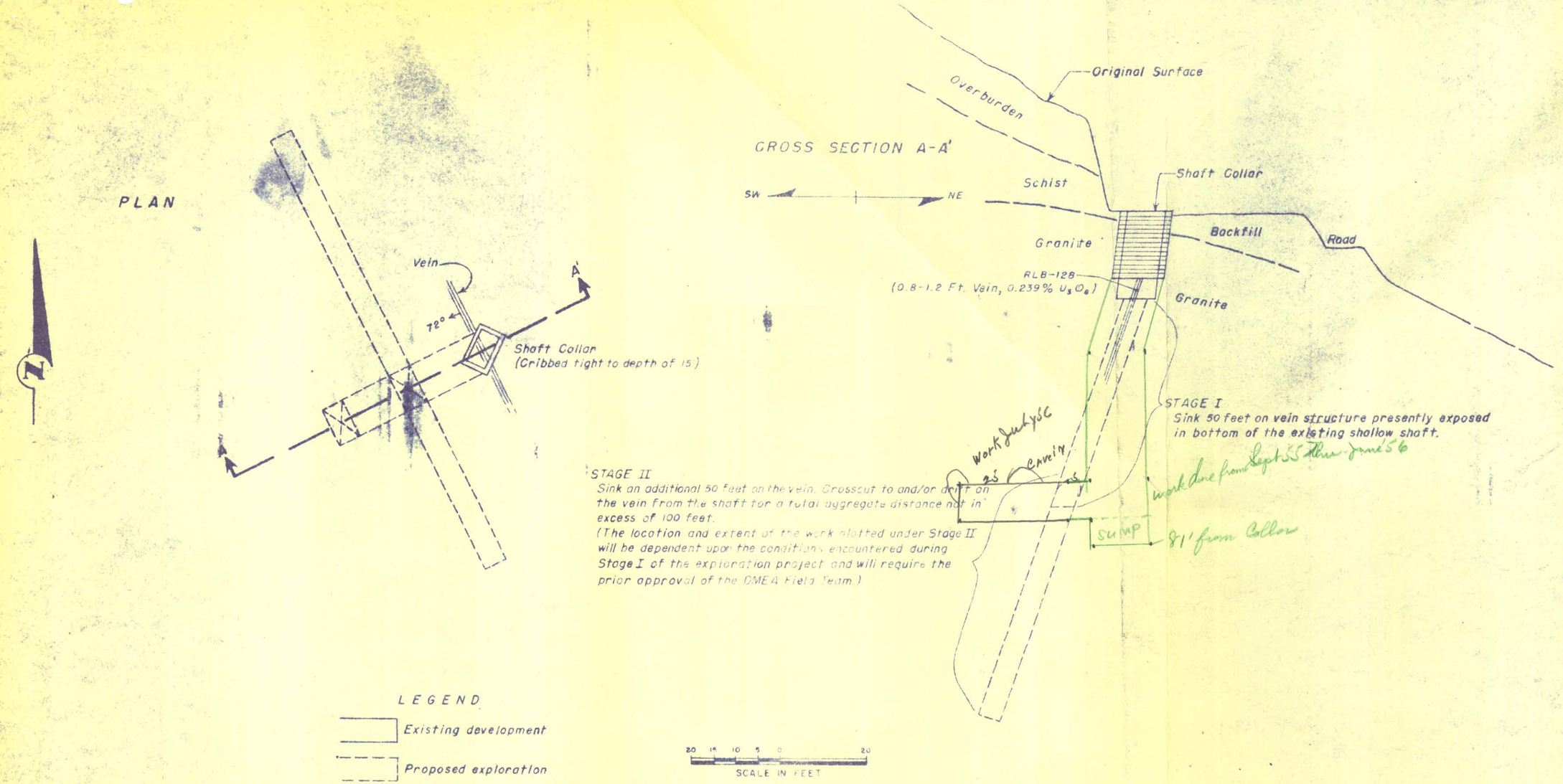

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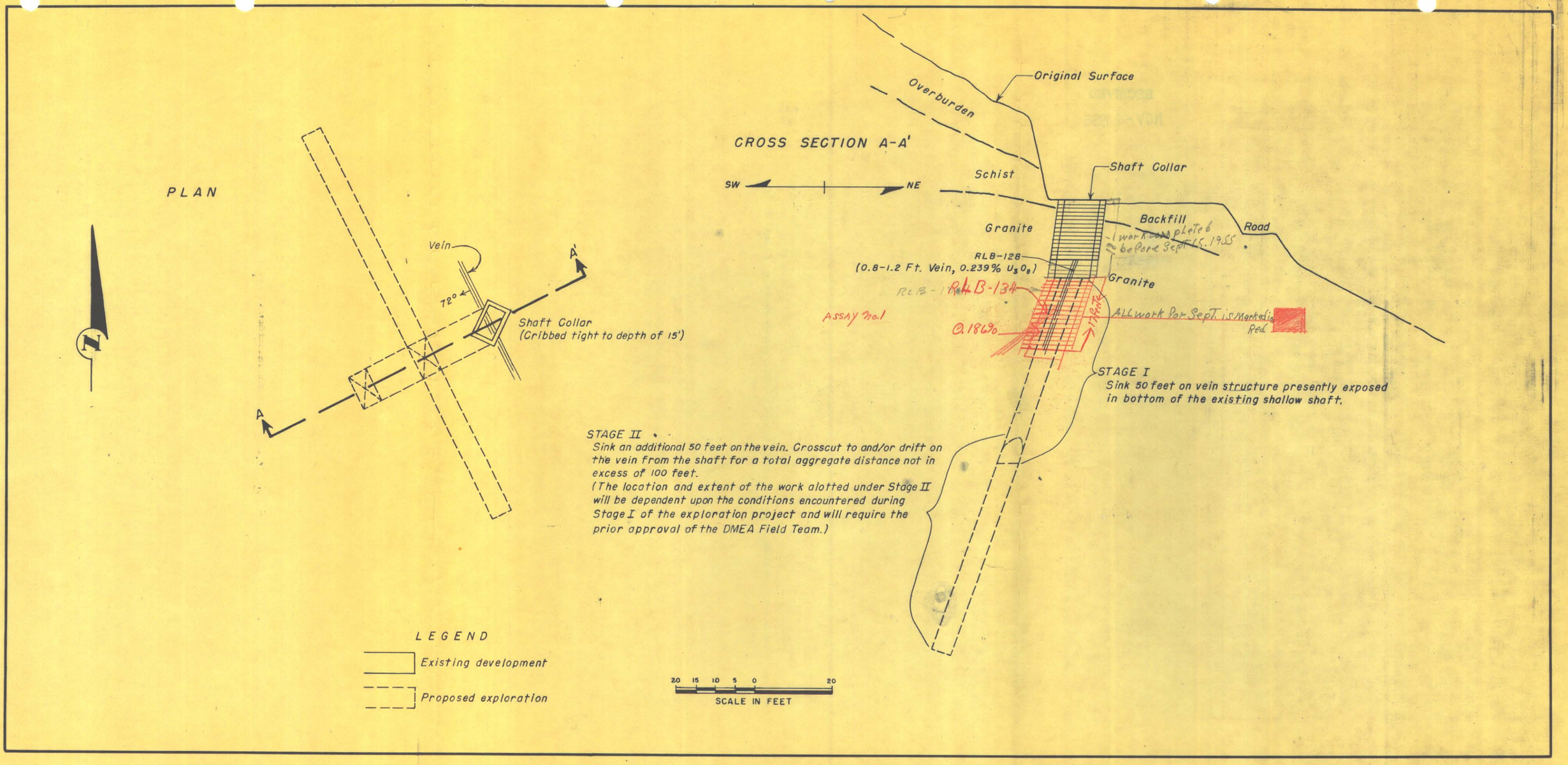

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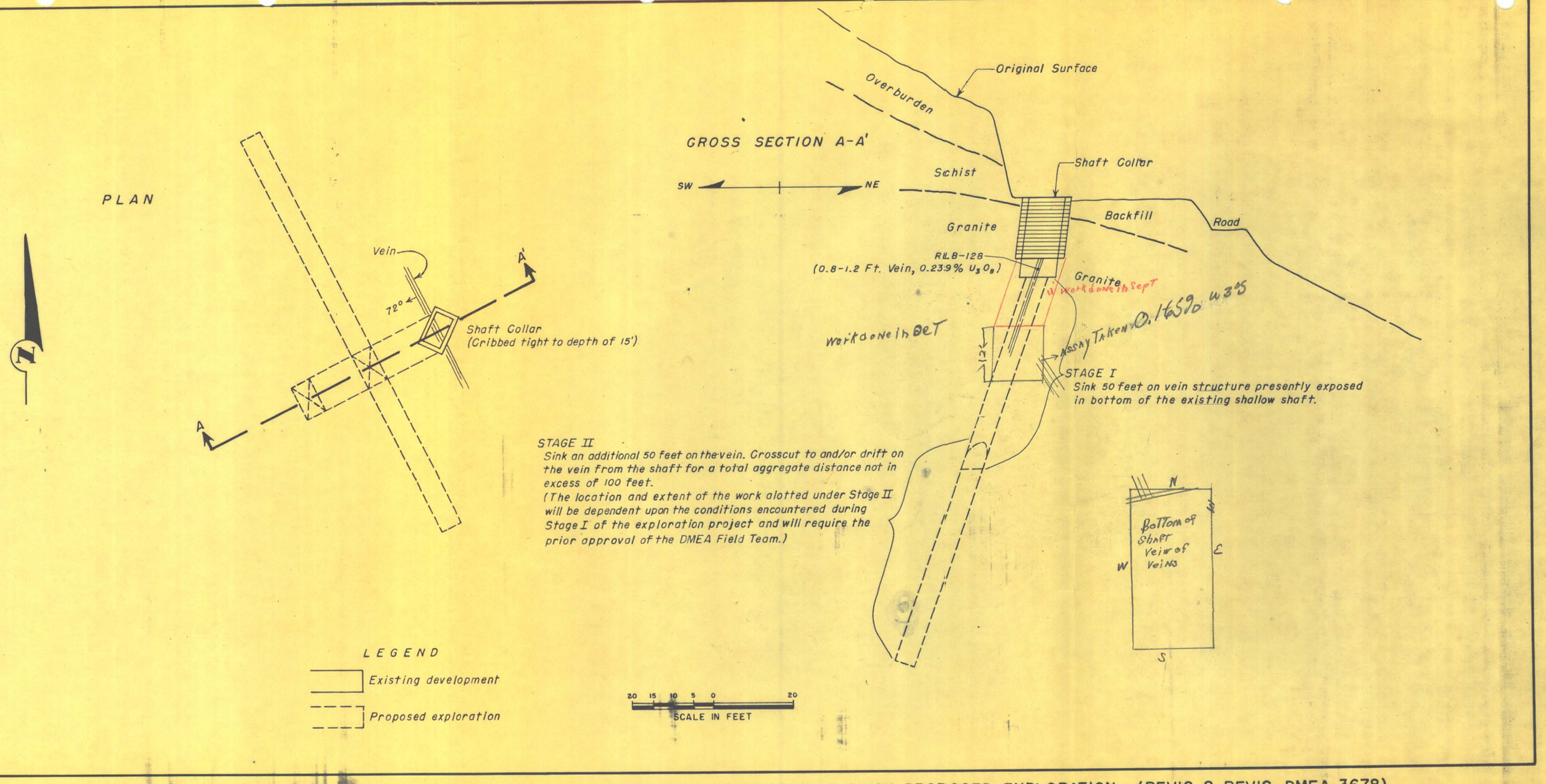

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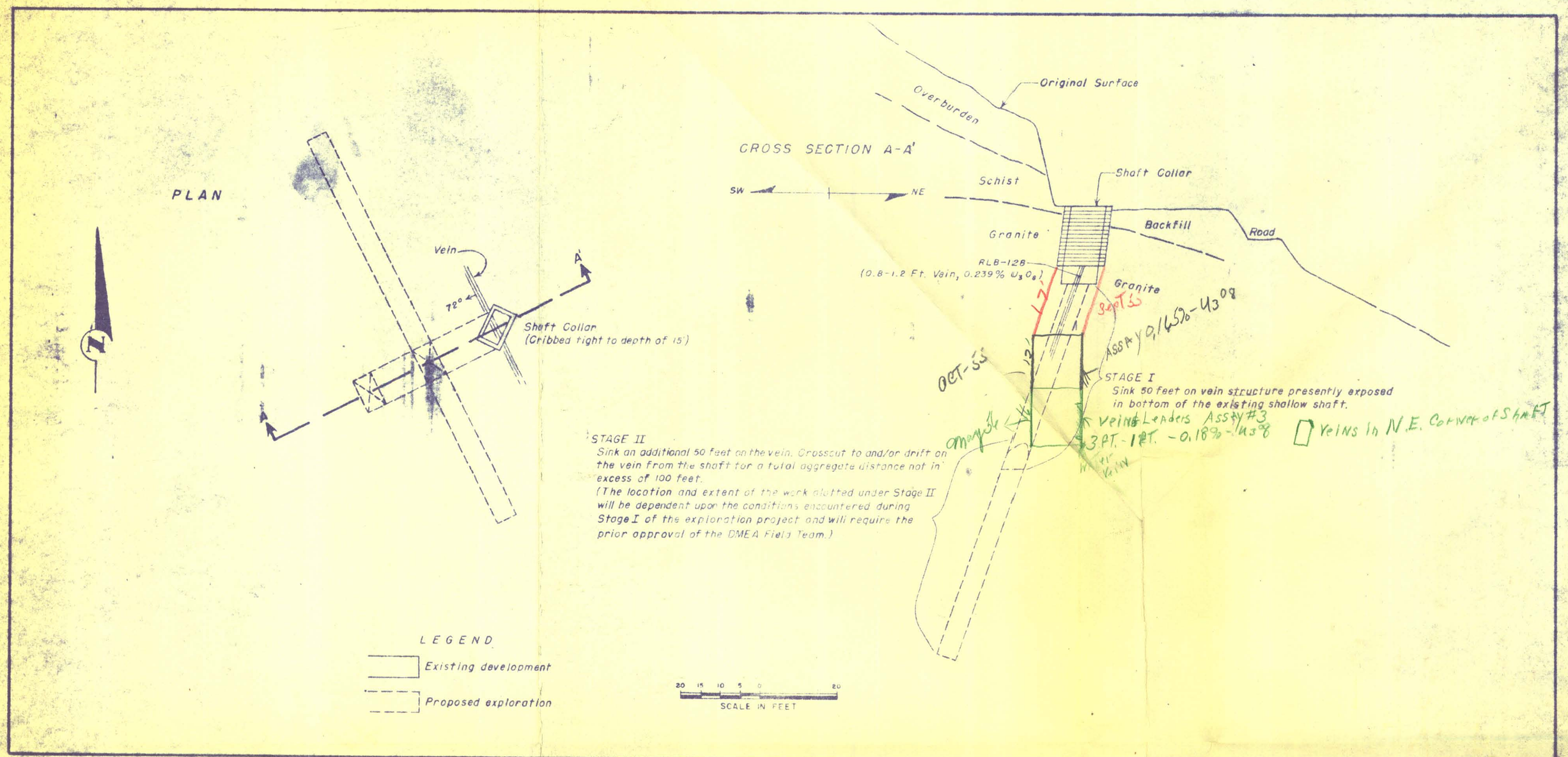

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