UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (or cancelled) without certification. DMEA No. 3305

This is the official contract file containing all official records of the project. Duplicate material has been removed. The records contained in the files are checked and are arranged in this manner:

Left Side

Certificate of Audit (Final).

Interim Audit(s).

✓ Report of Review.
✓ Closing Letter
Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

✓ Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

✓ Owner's Consent to Lien.

Subordination Agreement.

✓ Leases and assignments of leases. with on-site rpt.

✓ Application and attachments.

Schedule of Collections.

✓ Operator's monthly reports and all attachments (latest on top).

Right Side

✓ Project summary.

✓ Work completed analysis.

All other material is filed in chronological order with correspondence including the following reports as checked:

✓ Final Field Team Report. (Tab)

Operator's Final Report.

✓ Interim Reports.

✓ On-site Exam Report(s). (Tab)

Settlement Sheets.

If additional folders are required because of volume of records, show folder numbers and contents below:

Maps in folder number_____

Operator's Monthly Reports in folder number _____

Jean Benson
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

RECEIVED
JUN - 3 1955

Platora Uranium Corporation,
a Colorado Corporation,
405 University Building
Denver, Colorado

pertaining to Exploration Project Contract No. Idm-8697, Docket No. DMEA-3305, including Amendment No. 1, for the months of November 1954 to April 1955, covering a project for the exploration of uranium, on property known as Moonlight Mine, located in Humboldt County, Nevada.

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

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

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

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

Total cost as billed by contractor	$18,654.00
Exceptions	None
Total Accepted Cost	$18,654.00

The contract calls for a 75 per cent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in amount of Thirteen Thousand Nine Hundred Ninety and 50/100 Dollars:

** $13,990.50 **

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.

George Mayer
George Mayer
Auditor

May 31, 1955

Surname copy

Ching
Ellis
Chambers
Kilegaard
Geehan
Selfridge
Johnson

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

DEC - 8 1955

Mr. Arthur K. Smith, President
Plateau Uranium Corporation
405 University Building
Denver, Colorado

Re: Docket No. DMEA-3325 (Uranium)
Contract No. Ida-8497
Moonlight Mine
Boundary County, Idaho

Dear Mr. Smith:

Reference is made to your completed exploration contract with the Government.

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

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

Sincerely yours,

D. O. Mittendorf
(Ryes 7)

Administrator

MChing/gla
12-6-55
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Johnson
Contract Adm. & Audit Division
DMEA Field Team, Region III (2) w/3 cc for
Jess Nachiondo
James R. Murdoch (owners)
Irvin W. Sweeney

Government Copy

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 2 1954

PLATORA URANIUM CORPORATION
EXPLORATION PROJECT CONTRACT NO. IDM-E697
DOCKET NO. DMEA-3305

AMENDMENT NO. 1

It is agreed this 15th day of November, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Platora Uranium Corporation, a Colorado Corporation, each acting in consideration of the agreement of the other to the terms hereinafter set forth, that Exploration Project Contract Idm-E697, Docket No. DMEA-3305, dated October 28, 1954, be modified and amended as of October 28, 1954, as follows:

In Exhibit "A", Description of the Work, the first sentence in the first paragraph states: "The work consists of exploration by sinking a 10-foot sump below the 270-foot level of the main shaft, cutting a shaft station on the 270-foot level, and drifting along the vein, 250 feet in a northerly direction and 250 feet in a southerly direction, from the shaft."

This sentence is hereby changed to read: "The work consists of exploration by sinking a 10-foot sump below the 252-foot level of the main shaft, cutting a shaft station on the 252-foot level, and drifting along the vein, 250 feet in a northerly direction and 250 feet in a southerly direction, from the shaft."

All other parts of Exhibit "A" as attached to the contract remain the same.

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

Executed in sextuplicate the day and year first above written.

PLATORA URANIUM CORPORATION

By R. N. Smith

THE UNITED STATES OF AMERICA

By S. Ricker
S. Ricker
Executive Officer
DMEA Field Team, Region III

Defense Board
DEC - 2 1954

AMENDMENT NO. 1

Docket No. DMEA-3305 Mineral Uranium

Exploration Project Contract Idm-E697

Date of Contract October 28, 1954

Date of Amendment November 15, 1954

Operator Platora Uranium Corporation

JUSTIFICATION

Owing to difficulties and increased expense involved in handling the excessive amount of water encountered in endeavoring to get to the 270-foot level, this Amendment No. 1 was justified. Geologically the data obtained from drifting on the 250-foot level will be as pertinent to the appraisal of the potential value of the property as work on the lower level would have been.

S. Ricker, Executive Officer
DMEA Field Team, Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals
RF

Government's copy

NOV 9 - 1954

MF-200A
(Revised June 1954)

Docket No. DMEA 3305

Commodity Uranium

Contract No. Idm-E 697

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

It is agreed this 28th day of October, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Platora Uranium Corporation, a Colorado corporation, whose mailing address is 405 University Building, Denver, 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 .....

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 Nevada, County of Humboldt, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] Lessee of [5] ..... 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: .....

(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: Consents to lien of owners Jess Nachiondo, James R. Murdock and Irwin W. Sweeney and of overriding royalty holders James R. Dutton, Robert S. Palmer, Mrs. John M. Del Curto and Roy F. Roseberry.

[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."

(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 November 1, 1954 shall commence the work, and on or before April 30, 1955 (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 $20,750.00. The Government will contribute 75 percent of the fixed unit costs as work is performed, in a total sum not in excess of $15,562.50: *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.

Platora Uranium Corporation
(Operator)

By Arthur N. Swart
President

THE UNITED STATES OF AMERICA

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

I, Irving Lerner, certify that I am the secretary of the corporation named as Operator herein; that Arthur N. Swart who signed this contract on behalf of the Operator, was then President 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.

Irving Lerner

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70618-1

DEPARTMENT OF THE INTERIOR
NOV 9 - 1954

EXHIBIT "A"

Description of the Work

The work consists of exploration by sinking a 10-foot sump below the 270-foot level of the main shaft, cutting a shaft station on the 270-foot level, and drifting along the vein, 250 feet in a northerly direction and 250 feet in a southerly direction, from the shaft. The work is indicated on the attached maps entitled "Fig. 2 - Geologic Map and Cross Section of the Moonlight Uranium Mine" and "Figure 4 - Index Map of the Moonlight Claim Group."

The drift shall be timbered where necessary and shall have cross-sectional dimensions of 4½ feet by 6 feet in the clear of timbers.

Representative channel samples shall be taken at appropriate points as the work progresses, but not more than 50 samples shall be analyzed chemically under the project.

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

Estimated Cost of the Project

Agreed Unit Costs

Sink sump 10 feet 1/	$1,000.00	
Cut shaft station 1/	500.00	
500 feet of drifting @ $34.00/ft. 2/	17,000.00	
500 feet of drift timbering @ $4.00/ft.	2,000.00	
50 chemical analyses @ $5.00 each	250.00	
Estimated total cost of the project		$20,750.00
Government participation @ 75%		$15,562.50

1/ The finished work constitutes a unit.
2/ This agreed unit cost includes all costs of drifting except timbering and chemical analyses.

INTERIOR
NOV 9 1954

ANNEX I

The land referred to in Article 2 of the contract consists of ten unpatented claims, Moonlight No. 1 through Moonlight No. 10, recorded in Book 5 of pages 20 through 25, at Winnemucca, Nevada. The claims are located in Sections 9 and 16, T. 45 N., R. 34 E., M.D.B. and M.

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
NOV 9 - 1954

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Nevada, County of Humboldt, described ~~xx~~ ~~xxxxxx~~:1/

In location certificates recorded in Book 5, Pages 20-25, both inclusive, in the records of Humboldt County, State of Nevada, said recordings being on January 24, 1953, January 29, 1953, February 1, 1953, February 2, 1953, and February 3, 1953 (said locations are on ten (10) unpatented mining claims which lie in unsurveyed Sections 9 and 16, Township 45 North, Range 34 East, M.D.B.&M., Humboldt County, Nevada.)

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

2/ Platora Uranium Corp.

hereinafter called the "Operator"; and

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

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

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

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

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

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

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

(OVER)

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

4. Changes and added provisions _____

_____

_____

_____

Dated this 5th day of August, 1954.

Jess Machindo [Seal]

James R. Murdock [Seal]

Irvin W. Sweeney [Seal]

DEPARTMENT OF THE INTERIOR
Defense Minerals
NOV 9 - 1954

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Nevada, County of Humboldt, described ~~xx~~

~~xxxxxx~~:1/

In location certificates recorded in Book 5, Pages 20-25, both inclusive, in the records of Humboldt County, State of Nevada, said recordings being on January 24, 1953, January 29, 1953, February 1, 1953, February 2, 1953, and February 3, 1953 (said locations are on ten (10) unpatented mining claims which lie in unsurveyed Sections 9 and 16, Township 45 North, Range 34 East, M.D.B.&M., Humboldt County, Nevada.)

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

2/ Platora Uranium Corp.

hereinafter called the "Operator"; and

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

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

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

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

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

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

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

(OVER)

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

4. Changes and added provisions _____

_____

_____

_____

Dated this 15th day of Aug., 1954.

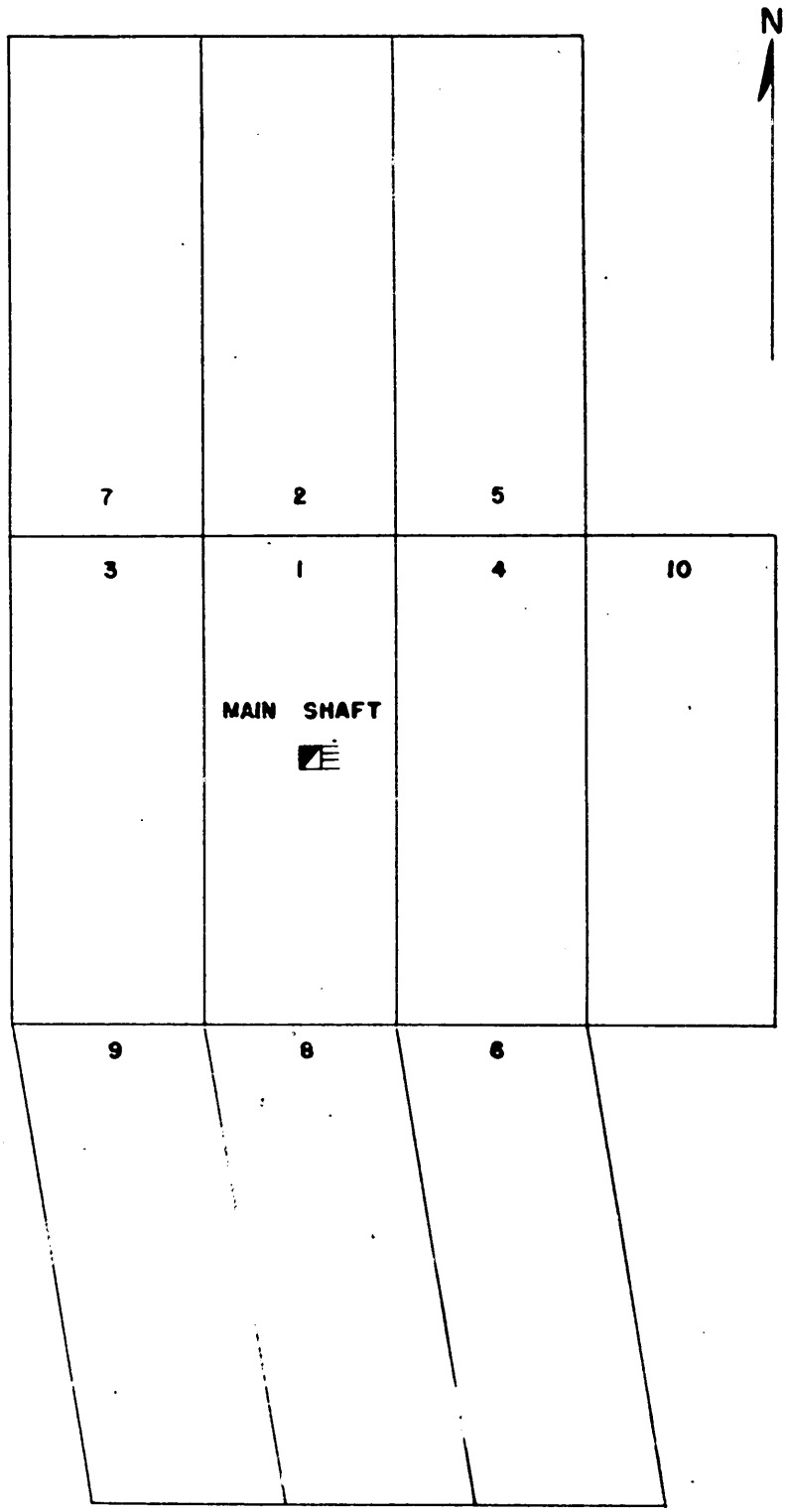
James R. Dutton [Seal]

Robert L. Palmer [Seal]

John M. Del Curto [Seal]

Ray F. Posiling (Seal)

{Mrs John M. Del Curto (Seal)
Mrs Rohde Del Curto}



Scale - 1" = 600'

Fig. 4 - Index Map of the Moonlight Claim Group

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

DEC 1 2 3 DEC 11 2 32

SAN FRANCISCO, CALIFORNIA

MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

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

Moonlight Mine, consisting of ten unpatented mining claims lying in unsurveyed Sections 9 and 16, Township 45 North, Range 34 East, M.D.B&M. Said claimswere located on 1/24/53, 1/29/53, 2/1/53, 2/2/53 and 2/3/53, recorded in Book 5, pages 20 to 25, inc., records Humboldt County, Nevada.

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

2/ Platora Uranium Corp., 405 University Building, Denver, Colorado (Administrative office)

hereinafter called the "Operator"; and

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

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

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

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

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

4. Changes and added provisions This does not in any way affect our Royalty or Royalty interest in above Mentioned Claims.

Dated this 15th day of June, 1954.

Roy F. Rosberry [Seal]

John W. DeCourtis [Seal]

6/29/54 James R. Dutton [Seal]

Robert L. Palmer

(SEAL)

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

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

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

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

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

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

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

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

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

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

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

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

MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

Bureau of Mines Administration
RECEIVED
JUL 23 1954

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

Moonlight Mine, consisting of ten unpatented mining claims lying in unsurveyed Sections 9 and 16, Township 45 North, Range 34 East, M.D.B&M. Said claims were located on 1/24/53, 1/29/53, 2/1/53, 2/2/53 and 2/3/53, recorded in Book 5, pages 20 to 25 inc., records Humboldt County, Nevada.

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

2/ Platora Uranium Corp., 405 University Building, Denver, Colorado (Administrative office) -

hereinafter called the "Operator"; and

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

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

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

4. Changes and added provisions: This agreement cannot in any manner impair the rights and provisions of our original lease

Dated this 14 day of June, 1954.

[illegible] [Seal]

James R. Murdock [Seal]

Jas Madison [Seal]

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

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

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

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

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

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
[illegible] 9 1954

Not to be filled in by applicant

Docket No. 3305
Metal or Mineral Uranium
Date Received
Estimated Cost $61,900
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Platora Uranium Corp., a Colorado corporation
405 University Building
Denver 2, Colorado

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

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

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

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

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

(*b*) State any mine name by which the property is known. Moonlight.

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

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

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. See attached report.

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

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

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

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

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

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium

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

(*c*) The work will start within 5 days and be completed within 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated April 1, 1954

Platora Uranium Corp.
(Applicant)

By A. M. Swart, Pres.

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

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

R E P O R T

MOONLIGHT GROUP OF TEN CLAIMS

KING'S RIVER VALLEY

HUMBOLDT COUNTY, NEVADA

BY

A. N. SWEET

March 31, 1954

A. N. Sweet. E. M.

Purpose of Report

This report is made for the purpose of conveying to the U.S. Department of the Interior, D.M.E.A., the conditions as requested in Form MF-103, re application for aid in an exploration project, pursuant to D.M.E.A. order, under the Defense Production Act of 1950, as amended.

Conclusion

The Moonlight Mine is probably the first uranium development in this section of Nevada; namely, the King's River Valley, Humboldt County.

The very limited amount of development has disclosed commercial ore, from which there has been shipped two carloads of commercial ore produced and shipped from a shaft sinking operation. There has been no stoping or lateral development.

It appears that there is a chemical change from the meta-autunite, the surface mineral (checked as classified by A.E.C.) to carnotite and a small amount of urananite. At a depth of 50 feet in the prospect shaft, this change lends potential possibilities as depth is attained, with the possibility of encountering pitchblende.

Recommendation

I base the following program upon the following assumptions:

(a) The change in character of mineralization.

(b) The apparent presence of several parallel shear zones, dikes or fissures, to be ascertained by detailed geology, diamond drilling and open cuts.

(c) The similarity of this type of mineralization to that found in other localities where uranium is being successfully mined in igneous rock.

I. Sink present inclined shaft 150 feet in order to ascertain the change in the uranium mineralization. In the operation, it is the intent to save all possible ore.

II. If the program of sinking discloses what is anticipated, drive at least 250 feet of drift north and south of the shaft.

III. Prepare diamond drill stations every 50 feet and drill to cross cut parallel zones. Approximately 5000 feet of diamond drilling.

IV. While proposal #I is being prosecuted, necessary geologic mapping should be done to further justify #III.

V. In the event the present equipment is not heavy enough, a larger compressor and hoist can be rented, gallows frame strengthened and good mining practice followed.

The above program should call for an expenditure of approximately $63,300.00, as set forth in my application in Phases I, II, III and IV, as follows:

I	-	$18,200.00
II	-	22,100.00
III	-	23,000.00
IV	-	None
		$63,300.00

Property

The Moonlight property consists of ten unpatented claims, 600 x 1500 feet each.

Ownership and Location

The property was located by Messrs. Jess Nachiondo, Irvin Sweeney and James Murdock of Winnemucca, Nevada. Robert S. Palmer and James Dutton, of Denver, Colorado, were lessees from the original locaters. They in turn assigned to Jack M. Anderson, of Denver, Colorado, who in turn assigned to Platora Uranium Corp., of Denver, Colorado.

This property is located approximately 75 miles northwest of Winnemucca, Nevada, on the east side of the King's River Valley, U. S. Highway 95. A hard surfaced road is followed from Winnemucca to Orovada, approximately 41 miles, thence on a County road, well graveled, approximately 34 miles northwesterly to the mine. Winnemucca is the County seat of Humboldt County, a good supply center, and will be the Nevada headquarters for Platora Uranium Corp. A transcontinental highway connects Winnemucca to either Reno, Nevada or Elko Nevada, at which two cities air transportation is available via United Air Lines.

Climate

The mine is located at an elevation of approximately 5000 feet. The winters are the usual type encountered in a semi-arid country where precipitation varies but averages plus or minus 20 inches per year. No difficulties are anticipated due to climactic conditions.

Present Condition of Property

The mine is equipped with new equipment, to-wit: A. Skagit Steel and Iron Works Model G.U. 5 Hoist, driven

by a Wisconsin Gas Engine; a single stage 105 cu. ft. Le Roi Compressor; one Swede Machine; Jack Leg; drill steel, and some small tools. A well-timbered shaft has been sunk 50 feet, light gallows frame constructed, a 50-ton ore bin, necessary roads, a well-constructed bunk and cook shack 16 x 30 feet with accommodations for eight men. There is an excellent spring on the property which will supply sufficient water for all possible future needs.

History

This property has had some scintillator work as well as investigation by both the Bureau of Mines and the Atomic Energy Commission.

Shipments to Vitro Company, Salt Lake City, Utah, via A.S.&R. Contract.

Two cars of ore were paid for out of this development work. One car settled for 0.21 U_3O_8, and one in process of settlement probably will settle around 0.17 U_3O_8.

Geology

There are various geologic reports on this area, none of which are in complete agreement. I am of the opinion the country rock is andesite, which has been intruded by some type of dikes. The alteration is such that a definite conclusion cannot be determined by me without detailed microscopic examination. The ore appears in an oxidized zone, on the contact between the dike and the andesite, as a vein, striking North-South, and dips 45° to 60° Easterly. The gangue is a brownish-yellow, crushed material, showing limonite, fluorspar, some iron sulphide, manganese and the autunite grading with the present depth to probably carnotite, or one of the yellow uranium minerals, and some urananite. The vein showed a thickness of from 24 inches to 43 inches, with a well-defined foot wall now observed in the bottom of the shaft.

Various samples have been taken, both for evaluation with Geiger Counter, as well as for chemical analysis. These show returns from .07% U_3O_8 to as high as 0.34% of of U_3O_8, copy of Brown Laboratory report attached.

The vein has been traced for over 1500 feet, has been stripped by bulldozer and blasting for some 300 to 400 feet and Geiger Counter shows persistence of vein as well as mineralization.

In addition to the main working shaft, there are several cuts along the surface, in all of which locations reaction for uranium was noted on the Geiger Counter.

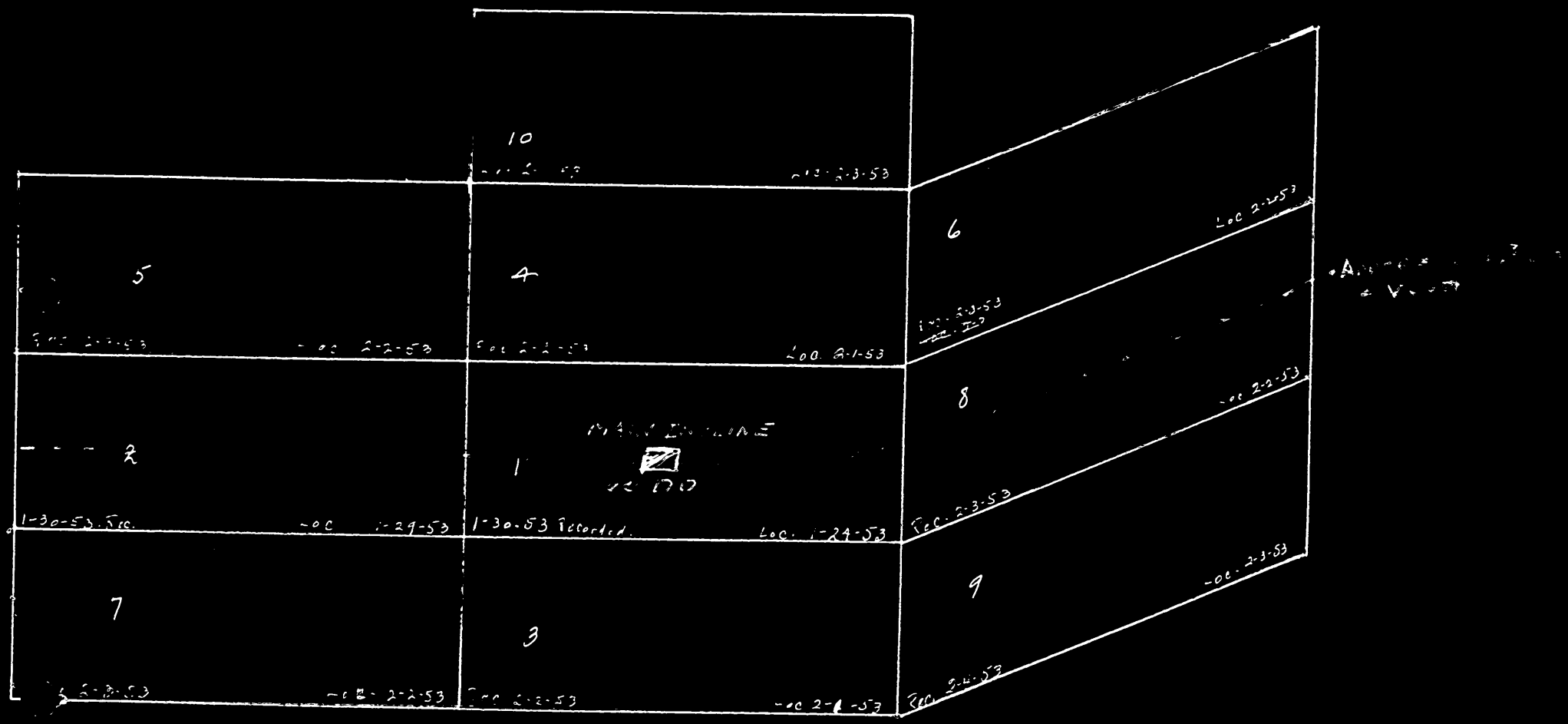
Proposed Program

As noted in the chapter "Conclusion" of this report, I am of the opinion that this program should be carried on in an efficient, minerlike and scientific manner, good records kept of all Geiger evaluations and samples of ore as recorded sent to the Atomic Energy Commission for comparison and checking.

I estimate a period of six months would be necessary to complete this program. This might seem too long a period, but in this type of development very vital information could be easily overlooked if speed in sinking or drifting is the main object. The vein should be mined carefully so that actual shipments, properly sampled, will on final analysis be the best measure of the value of this property. We all know it is an easy matter to shoot high and wide but the information to be gained by careful work will far overbalance the excess cost.

I wish to acknowledge information gained from Mr. Robert S. Palmer, The U. S. Bureau of Mines, and the U. S. Atomic Energy Commission at both Salt Lake City, Utah and Grand Junction, Colorado.

Arthur N. Swett. E. M.
April 1, 1954



MOONLIGHT CLAIMS
HUMBOLDT CO. NEVADA.

All in Sec 9 and Sec 16. T45N., R34E. M.D. B&M,

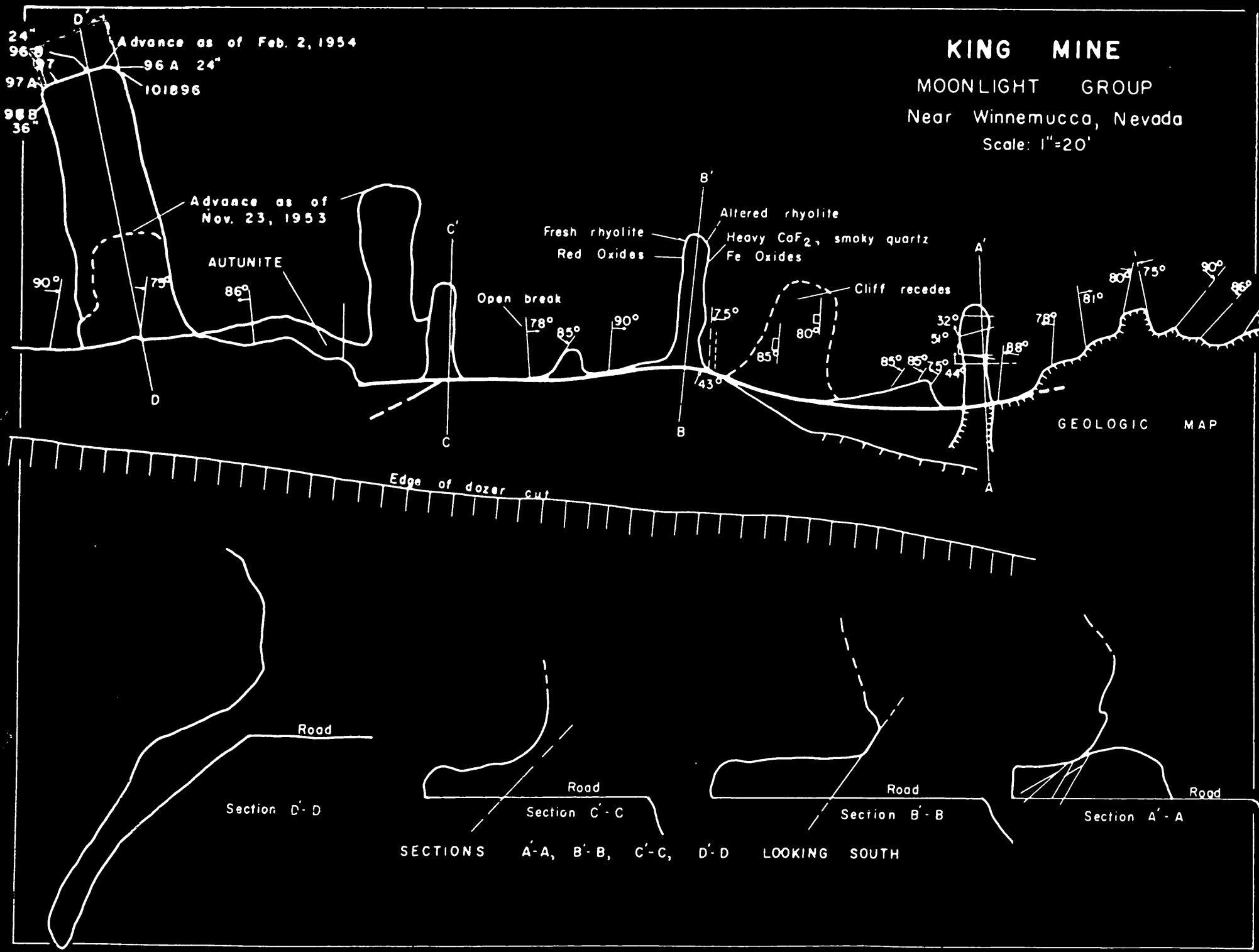
PHOTO - COPY
BY PICK
FOR EXTRA COPIES, CALL KE. 2876
MAR 30 1964
PICK PHOTOGRAPH & BLUEPRINT CO.
1015 - 17th ST. DENVER, COLO.
CERTIFIED ON REQUEST

KING MINE

MOONLIGHT GROUP

Near Winnemucca, Nevada

Scale: 1"=20'



SECTIONS A'-A, B'-B, C'-C, D'-D LOOKING SOUTH

PHOTO - COPY
BY PICK
FOR EXTRA COPIES, CALL KE. 287-
MAR 30 19[illegible]
PICK PHOTOGRAPH & BLUEPRINT CO.
1015 - 17th ST. [illegible], COLO.
CERTIFIED ON REQUEST

To Accompany Form MF-103

1. Arthur N. Sweet, President
1050 Sherman Street, Denver, Colorado

Jack M. Anderson, Vice-President
3563 Larimer Street, Denver, Colorado

Irving Lindner, Secretary-Treasurer
407 University Building, Denver, Colorado.

3. (a) Moonlight claims 1 to 10 inclusive, located in unorganized mining district, King's River Valley, Humboldt County, Nevada, in Section 9 and Section 16, T 45 N, R 34 E, M.D.B&M.

(b) Moonlight Mine

(c) Lessee

(d) Copy of lease and transfer to Platora Uranium Corp., containing subordination agreement.

4. (a) There are several hundred feet of bulldozing on outcrop, several cuts (See Map, Exhibit A) and a 50 ft. incline shaft already completed on this property. Platora has a lease on the total property, and all workings are open for inspection and examination.

(b) Several cars of material were shipped from this small development, the last two of which ran approximately 50 tons each, 0.21% U_3O_8 and 0.17% U_3O_8. The material mined was badly mixed with wall rock in breaking a narrow vein to a shaft width.

(c) See attached report (Exhibit B).

(d) Property reached by good road with easy grades. Highway 95, 41 miles to Orovada, thence 36 miles on graveled road to property. (See Map attached, Exhibit C). The Company has housing for eight men and a fine spring of drinking water. To date, purchaser buys ore F.O.B. mine and collects the AEC trucking allowance. Ore is shipped from Winnemucca, Nevada to Vitro Chemical Company, Salt Lake City, Utah.

(e) There is a good supply of miners available in Nevada at Winnemucca, Lovelock and Nevada camps, especially for contract work. No power is available. Property has compressor (105 cu. ft. Le Roi) Swede machine and steel with Jack leg, a Skagit hoist sufficient to sink to a depth of 200 feet.

5. (a) Uranium.

(b) We propose to set up a project in four phases:

(1) Sink 150 feet of incline shaft on the vein, paying most careful attention to extraction of clean ore from vein. It might be necessary to shoot ore, muck out same and then shoot waste, depending upon width of vein as to width of shaft. This will be more costly but will accomplish the gaining necessary information re value of the uranium bearing vein.

(2) Drift from 150-foot level a distance of 500 feet to the North and South, on the vein, again carefully saving the ore as cleanly as possible by stripping, if necessary, or by best method of mining. This again is dependent upon the width of the vein.

(3) Cut drill stations to drill both hanging and foot wall to prospect for parallel veins. This will be dependent upon some surface work and surface geology. This is indeterminate, but an estimate of ten 500-foot holes equals 5000 feet of diamond drilling.

(4) Surface trenching and geologic, as well as scintillometer evaluation, and should be carried on while project is progressing.

5. (c) The work will start within ten days and the completion should be by various stages. We estimate that good contractors, such as we have contacted, figure to make about 3 feet per day on a two-shift basis, by virtue of keeping ore clean and the shifts lost timbering. Therefore, for safety, I estimate about 60 days to complete shaft. At present, a bucket on skids is being used and a small skip on track might have to be installed.

(d) A. N. Sweet, manager, is a graduate of the Colorado School of Mines, 1911, and has spent his entire life in mine operation. He managed the Rawley Mines for American Smelting and Refining Company, and managed Black Mammoth Mine for E. L. Cord at Silver Peak, Nevada, and during many years, has operated for National Lead Company, Leadville Deep Mines Company, Darwin Tungsten Company, and on leases for himself in Western United States and Mexico.

At present, Mr. Sweet has Mr. L. A. McConley employed, and it is the intention that Mr. McConley will contract the shaft as well as the drifting. There are many good diamond drilling companies to bid on competitive basis for a drilling program. Mr. L. A. McConley has had many years practical experience as a miner. He has worked as a shaft and drift contractor, an ore extraction contractor at many Nevada mines, including the Black Mammoth at Silver Peak, at which mine I was General Manager for Mr. E. L. Cord, for five years, until the mine was shut down for World War II situation. I can personally guarantee his ability as a sober, industrious, efficient operator.

6. Phase I.

(a)	Sinking shaft 150 feet, contractor to furnish labor, explosives and fuel for compressor, @$70.00 per foot	$10,500.00
(b)	Supervision and Engineering, including office expense @ $1500.00 per month - two months	$3,000.00
(c)	300 board feet of timber per 5 foot advance - 9000 board feet for shaft @ $75.00 per thousand	675.00
	Wedges, blocking, etc.	50.00
	Ladders, skids, etc.	150.00
	Machine repair parts @ ~~/~~ $5.00 per day, for 60 days	300.00
		$1175.00
(d)	Company has one drill, one compressor, one hoist and cable, bucket, gallows frame and 50-ton ore bin. This will be furnished at going rental rate, say $250.00 per month	500.00
	We will need to purchase :	
	1 Swede machine	290.00
	~~2~~ Swede steel - several sets	200.00
	300 feet 2" pipe $45.00 Plant	135.00
	300 feet 1" pipe $25.00 Plant	75.00
	Valves, unions, etc.	75.00
	Tools, saws, wrenches, carpenter tools, etc., (estimated)	300.00
	Bell cord, bell, etc.	
	1 Servel Icebox	250.00
		$1825.00

Summary Phase I.

(a)	Contract for 150 feet	$10,500.00
(b)	Supervision and Engineering office assays	3,000.00
(c)	Supplies, etc.	1,175.00
(d)	Needs	1,825.00
(e)		
(f)		
(g)		600.00
(h)	Estimate	1,000.00
	Total Phase I	$18,200.00

Phase II. Dependent upon your evaluation of disclosure made by Phase A.

500 feet Drifting @ $35.00 per foot	17,500.00
500 feet Pipe, both air and water @ 70¢ ft.	350.00

Ventilation - Blower and 650-ft tube		750.00
Car and Track - Cars	250.00	
2 tons Rail	200.00	450.00
No timber is anticipated		
At 5 ft. per day in each heading = 50 days = 2 months assaying - Supervision and Engineering		3000.00
		$22,100.00

Phase III. Depending upon surface disclosures, an estimate of possibly ten holes, 500 feet long could be anticipated - 5000 feet diamond drilling @ $4.00 — $20,000.00

Phase IV. This is actually included in the estimates of $1500.00 per month for supervision, engineering, etc. — - - - -

6. (e) None
   (f) None
   (g) None, except Compensation Insurance on (b), at ≠ 10% - approximately 600.00
   (h) None anticipated, but for an estimate use 1000.00

7. (a) Yes
   (b) Money

Platora Uranium Corp
By A. N. Swift, Pres.
April 1, 1954.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JUN 16 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 195 Docket No. DMEA 3309 Contract No. IDM-3897
Operator's Name Platero Uranium Corporation Minerals Uranium
Address 417 University Building, Denver, Colo. 15,563.50
Contract Amount, $20,750.00 Government Participation: 75 % Amount, $

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	0	1000.00	1000.00			
Bulldozing	0	600.00	600.00			
Crosscutting						
Drifting	5644.00	11356.00	17000.00	5440.00	11,560.00	17,000.00
Timbering	100.00	54.00	154.00			
(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):						
Apr. Drifting costs of over Mar. 6564.60 ft.						
TOTALS	5744.00	12010.00	17754.00	5440.00	11,560.00	17,000.00

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

Date 5/10/55 *Payee Platero Uranium Corp.

Per A. N. Swift Title President

*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:

$4155.00

Lloyd H. Sjolander
Authorized Certifying Officer

Signature (Authorized Certifying Officer)

Date JUN 10 1955 Vou. No. SF-DMEA-32

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E697 in accordance with the terms of the contract.

Signature [signature] Title Mining Engineer Date May 12, 1955

Glenn G. Gentry

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Executive Officer DMEA Field Team

Signature [signature] Title Region II Date May 12, 1955

S. Ricker

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form ME-105A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 16 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1950 Docket No. DMEA 5300 Contract No. [illegible]-007
Operator's Name Platora Uranium Corp. Minerals [illegible]
Address 607 University Building, Denver, 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	Ft.	5440.00 ~~[illegible]~~	160	17000.00	500	34.00	500	17000.00
Crosscutting	1	0	0	1000.00	1	1000.00	1	1000.00
Raising	1	0	0	500.00	1	500.00	1	500.00
Shafts: Timbering	Ft.	100.00	20	154.00	30.0	5.00	100	2000.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails Mooey Jigs							60	600.00
TOTAL DISTRIBUTED COSTS		5540.00 ~~[illegible]~~		18654.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5540.00 ~~[illegible]~~		18654.00				20200.00

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 May 9, 1950 Operator Platora Uranium Corp.
Per A. N. Swift Title President

REMARKS:
A C/B. 160 ft @ 34.00 ft = $5440.00

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)

Edward F. Gentry

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

April 27, 1955

Defense Minerals Exploration Administration
U.S. Bureau of Mines
Reno, Nevada

Attention Mr. S. Richer

Gentlemen:

Enclosed please find five (5) copies of Form DP-104 and DP-104A together with five (5) copies of the final map, all of which constitute the final report on Contract No. DMA-2597.

The following is a narrative account of this contract and summarizes the operations thereunder. A shaft station was cut at the 75-foot level and a 10-foot sump was sunk below this level. From the shaft station a total of two hundred and fifty (250) feet of drifting was done to the north along the Moonlight fault zone, and another two hundred and fifty (250) feet was completed to the south of the station along the same zone. The plan of these workings, scale 1"=40', is shown on the accompanying map. A total of thirty-eight and one-half (38.5) feet of timbering was required to sustain parts of these workings. The divergences of the drifts both north and south of the shaft station were made upon the recommendations of the supervising engineers of the U.S. Bureau of Mines and the U.S. Geological Survey in order to more fully explore the Moonlight structure.

These workings were driven in the transition zone of the Moonlight structure, and partially to completely oxidized rock was encountered throughout. Oxidation and leaching are more more prevalent to the south of the shaft than to the north. Sampling of these workings was done by the U.S. Bureau of Mines and the Atomic Energy Commission. The results of the final sampling are not known as this report is submitted. From a careful evaluation of the samples which are known it is determined that no commercial body of mineral was discovered in the execution of this contract. It is of especial interest, however, that a potentially large body having uranium mineralization throughout with some spotted ore values was encountered. The undersigned feels that additional work at depth is warranted to determine the possible existence of stronger and more continuous uranium values in the primary zone.

The undersigned was assisted in the drafting of this report by R.T. Irvine, Superintendent of the Moonlight Mine.

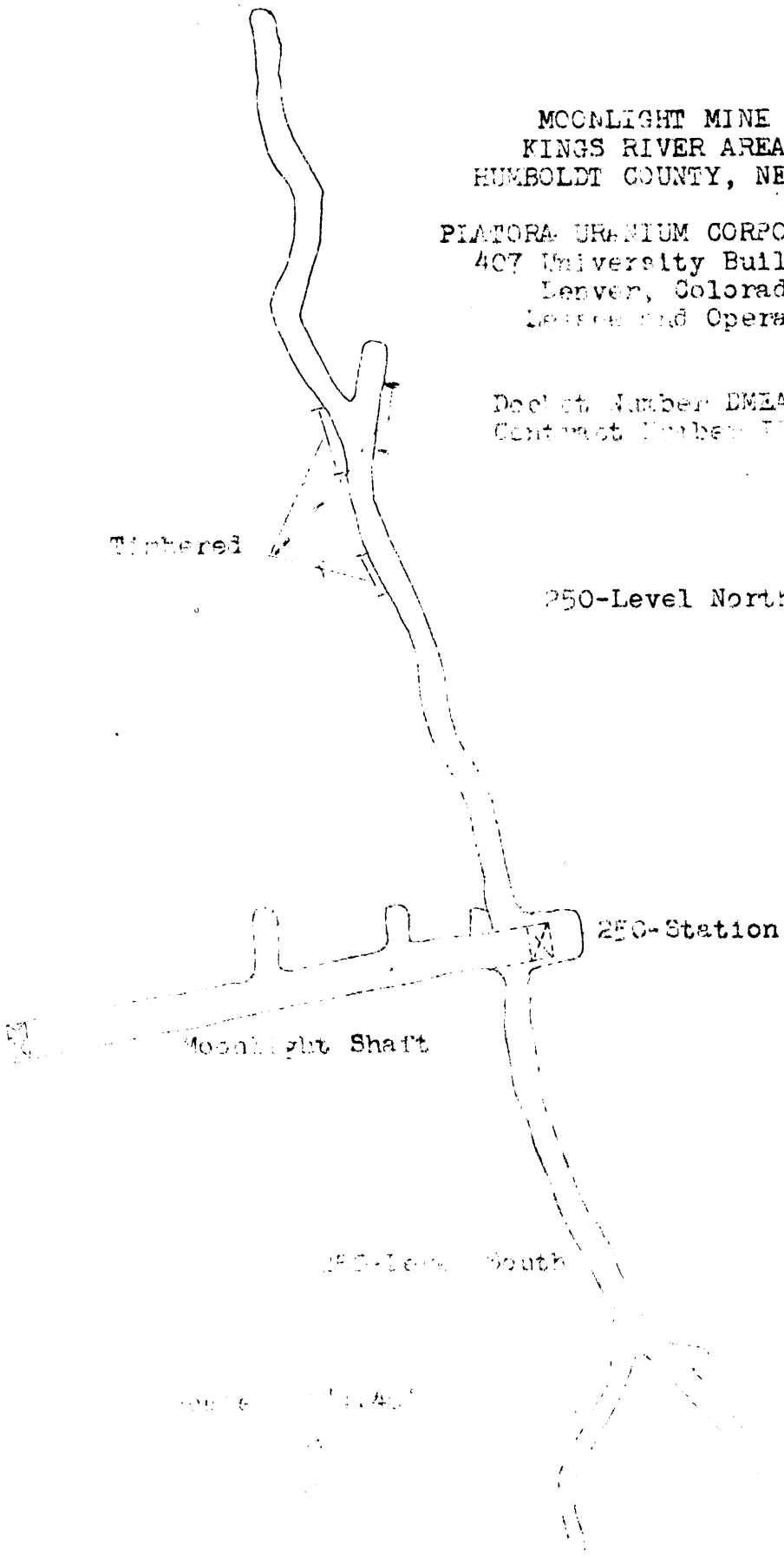
Yours very truly
Irving Ludwig
Secretary

MOONLIGHT MINE
KINGS RIVER AREA
HUMBOLDT COUNTY, NEVADA

PLATORA URANIUM CORPORATION
407 University Building
Denver, Colorado
Lessee and Operator

Docket Number DMEA [illegible]-Lr
Contract Number [illegible]

RECEIVED
JUN 1 6 1955



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

RECEIVED
JUN 16 1955

Administrative Audit Difference Statement

Date: June 10, 1955
Payee:
Reference:
Docket [illegible]
Contract Ten [illegible]
Moonlight Mine

Platora Uranium Corporation
407 University Blvd.
Denver, Colo.

Gentlemen:

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

Amount Claimed	$5000.00
Difference	$ 204.00
Amount Approved	$4800.00

The reason for the difference was due to:

Correcting drifting costs for April and amount brought forward. No change in total to date column. Drifting footage claimed for April exceeded maximum of contract by 6 feet.

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

Very sincerely yours,

L. H. SJOLANDER

L. H. Sjolander
Chief, Budget and Finance Branch
Region ~~III~~ II

Form EIF-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 January 5 Docket No. DMEA 3305 Contract No. 697

Operator's Name Platora Uranium Corp. Minerals Uranium

Address 405 University Bldg., Denver, Colorado

Contract Amount, $ 20,700.00 Government Participation: 75 % Amount, $ 15,532.50

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 Contractors:						
Short-Form	0	1000.00	1000.00			
Drilling	0	600.00	600.00			
Bulldozing						
Crosscutting	6700.00	4900.00	11,600.00			
Drifting	54.50	0	54.50	54.50	0	54.50
(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	6814.50	6500.00	13,314.50	6814.50	6500.00	13,314.50

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

Date 2/1/55 *Payee Platora Uranium Corp.

Per A. N. Swift Title President

*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:

$3610.50

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. SF-DM EA-20

(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. Dm-2697 in accordance with the terms of the contract.

Signature George H. Holmes, Jr. Title Mining Methods Research Engineer Date February 8, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Picker Title Executive Officer DMEA Field Team Region II Date February 9, 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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration 1955
RECEIVED
FEB 23 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1955 Docket No. DMEA 3305 Contract No. [illegible]697
Operator's Name Platora Uranium Corp. Minerals Uranium
Address 405 University Building, Denver, 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	ft.	4760.00	140	11,560.00	340	34.00	500	34.00
~~Excavating~~ Sump	1	0	0	1,000.00	1	1000.00	1	1000.00
~~Pump~~ Station	1	0	0	500.00	1	500.00	1	500.00
~~Shaft~~ Timbering	ft.	54.50	13.5	54.50	13.5	4.00	500	4.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		4814.50		13,114.50				Total Costs Authorized by Contract
Less error in calculation see notice of suspension		-.50		-.50				20,750.00
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		~~4814.50~~ 4814.00		~~13,114.50~~ 13,114.00				20,750.00

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 2/1/1955 Operator Platora Uranium Corp.
Per A. N. Lewis Title President

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

PLATORA URANIUM CORPORATION

405 UNIVERSITY BUILDING • DENVER 2, COLORADO • ACOMA 2-9575

DEPARTMENT OF THE INTERIOR
Denver Minerals Administration
RECEIVED
FEB 23 1955

February 4, 1955

Mr. A. C. Johnson
Chief, Mining Division
Region III
United States Bureau of Mines
1605 Evans Avenue
Reno, Nevada

Dear Sir:

I am enclosing herewith five copies each of Form Mf-104 and MF 104-A, as per instructions from Mr. Gentry.

During the month of January, 1955, the headings were advanced a total of 140 feet, as shown by enclosed sketch. Nothing of importance in the way of mineable minerals was encountered. Mr. Gentry, of the Bureau of Mines, and Mr. Smith of the USGS visited our property, accompanied by Mr. Marion Price, Mining Engineer and Geologist, now in our employ. They made a complete two-day investigation of our property.

Mr. Price is now in the process of making an instrument survey of our underground work, and after that is completed, will wash down the walls and by means of the ultra-violet ray light will map every substantial occurrence of uranium which is still evidenced by the fact that we are still in the meta autunite mineral which is fluorescent.

As soon as this work is completed, I will send to your office five copies of same for the record. It may be necessary for us to start mining some ore for shipment out of some of the hotter material disclosed above the 190-foot level, but if the results of the samples taken by Messrs. Gentry and Smith warrant it, we shall proceed with the completion of the work on the bottom level. This is being held in abeyance until we receive the returns and their report.

Yours very truly,

PLATORA URANIUM CORP.

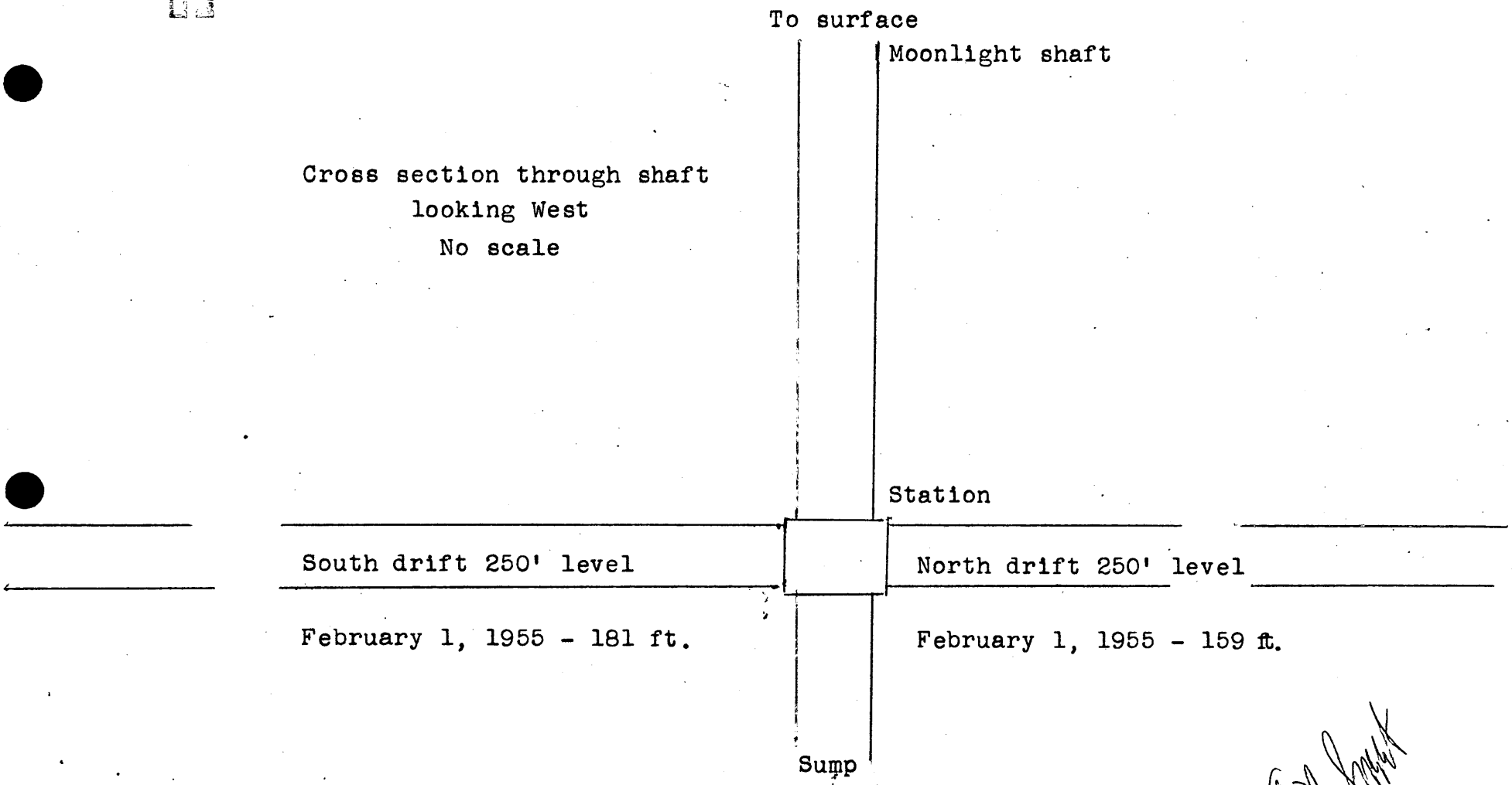
By A. N. Sweet
A. N. Sweet

ANS:aa
Encs.

PLATORA URANIUM CORP.

Moonlight Mine

Humboldt County, Nevada



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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 23 1955

Administrative Audit Difference Statement

Date: February 16, 1955
Payee's
Reference: Docket DMEA-3305
Platora Uranium Corporation
Moonlight Mine, Humboldt County, Nevada
Contract No. Idm-E697

Platora Uranium Corporation
405 University Bldg.
Denver, Colorado

Gentlemen:

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

Amount Claimed $ 4814.50 (January MF-104)

Difference $ .50

Amount Approved $ 4814.00

The reason for the difference was due to:

A $.50 error in the calculation of timbering footage in this months report.

	Amount Claimed	Amount allowable
Timbering	$54.50	$54.00 (13.5 ft. X $4.00)

Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
$4814.00	$8300.00	$13,114.00

Please adjust your totals accordanly so that the correct approved totals to date may be reflected on MF-104 submitted for the month of February.

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

Very sincerely yours,

L. H. SJOLANDER

L. H. Sjolander
~~Chief~~ Budget and Finance Branch
Region III

Form [redacted]

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 28 1955

Month of December, 1954 Docket No. DMEA 3705 Contract No. [illegible]
Operator's Name Platoro Uranium Corporation Minerals Uranium
Address 405 University Building, Denver, Colorado
Contract Amount, $ 30,750.00 Government Participation: 75% Amount, $ 23,062.50

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						
[redacted] Up	0	1,000.	1,000.00			
[redacted] Collar	0	500.	500.00			
Drifting	3672.00	3,120.	6,000.00			
(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	3,672.	4,620.00	7,500.00			

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

Date January 5, 1955 *Payee Platoro Uranium Corp.,

Per R. N. Swart Title President

*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:

$ 2754.00

Signature [illegible] (Authorized Certifying Officer)

[redacted] 17 1955 Vou. No. SF-DMEA-18

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E697 in accordance with the terms of the contract.

Signature R. C. Johnson Title Mining Engineer Date January 10, 1955.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer DMEA Field Team Region II Date January 11, 1955

S. Ricker

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Fo[redacted]

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 28 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 3305 Contract No. IDM E 697
Operator's Name Platore Uranium Corporation Minerals Uranium
Address 405 University Building, Denver, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	$3,672.	102	$6,800.00	200	$34.00	500	$34.00
[redacted] Sump	1	0	0	$1,000.00	1	$1,000.	1	$1,000.00
[redacted] Station	1	0	0	$ 500.00	1	$ 500.	1	$ 500.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$3,672.	102	$8,300.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								$20,750.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$3,672.		$8,300.00				$20,750.00

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 Jan. 5, 1955 Operator Platore Uranium Corp.

Per A. N. Swart Title President

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.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

PLATORA URANIUM CORPORATION

405 UNIVERSITY BUILDING • DENVER 2, COLORADO • ACOMA 2-9575

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
JAN 28 1955

Winnemucca, Nevada
January 5, 1955

Mr. A. C. Johnson
Chief, Mining Division
Region 111
U.S. Bureau Of Mines
1605 Evans Ave.
Reno, Nevada.

Dear Mr. Johnson;

Enclosed please find five copies each of forms M.F.104 and 104A with sketch of progress to date.

We have been badly hampered in our work due to encountereing a small flow of water, and the single standby equipment failure caused plenty delay and expense.

However we have just purchased and installed as of today, a D13000 Caterpillar Diesel, driving a 440 Cu Ft Gardner Denver Compressor, so that we will be able to handle our water with the air driven pump we have installedand be able to go ahead with the drifts in the proper manner. We should make from eight to ten feet per twenty four hours the balance of this month, which is at least what we are shooting at.

I havehad some fourteen samples taken from the rounds, but as a radiometric was very low, we did not have a chemical made. We will and are watching the vein very closely but as the values are disseminated thruout the width, with no banding, we cannot save anything for ore. The last round in the north heading indicated that we might be getting a banding with higher grade material. In the south drift we are driving on the foot wall, but the hanging wall is better than ten feet from the foot, and we might have to turn to get onto the hanging, where in the past up above the better ore was found.

We do have a very fine banding in the bottom of the sump, which shows ~~better than a~~ approximately half percent U308 on the Geiger, but we were unable to get to the bottom on account of the water situation. With our present equipment we can pump the sump dry, and as soon as possible we will bring you in a sample of said banded material.

I personally feel that if we have a mine here, it is all under us, and I wish to discuss with you the advisability of sinking this shaft another 150 feet, and will try to be in Reno the first of next week.

Very truly yours,
Platora Uranium Corp,
by

A. N. Scott

PLATORA URANIUM CORPORATION
MOONLIGHT MINE
HUMBOLDT COUNTY, NEVADA
January 5, 1955

To surface

Platora Uranium Corp.
Moonlight Shaft

CROSS SECTION THROUGH SHAFT
LOOK NO WEST

Scale: 1" : 20'

Station

South Drift, 250- Level

115 ft.
on December 31, 1954

North Drift, 250' Level

85 ft.
on December 31, 1954

Sump

G. N. Shook.

Fo[redacted]

Budget Bureau No. 42-R1036.5

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

Month of November, 1954 Docket No. DMEA 3306-[illegible] Contract No. RCD-5607
Operator's Name Platora Uranium Corporation Minerals Uranium
Address 405 University Bldg., Denver, Colo.
Contract Amount, $~~[illegible]~~ 20,750.00 Government Participation: 75 % Amount, $~~[illegible]~~ 15,562.50

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~~ Sump	1000.00	0	1000.00			
~~Crosscutting~~ Station	500.00	0	500.00			
Drifting	3123.00	0	3123.00			
(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	4623.00	0	4623.00			

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

Date 12/1/54 *Payee Platora Uranium Corp.

Per A. N. Swift Title President

*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:

$3471.50

Signature [illegible]
(Authorized Certifying Officer)

Date [illegible] Vou. No. SF-DMEA-15

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E697 in accordance with the terms of the contract.

Signature George H. Holmes, Jr. Title Mining Methods Research Engineer Date Dec. 3, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer DMEA Field Team Region III Date December 6, 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form [redacted]
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

ACCOUNTS DEC 6 1954

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1954 Docket No. DMEA 3306 Contract No. Idm 5307

Operator's Name Platoro Uranium Corporation Minerals Uranium

Address 400 University Bldg., Denver, 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	92	$3128.00	92	$3128.00	92		600	34.00
[redacted] tation	1	$500.00	1	500.00	1		1	500.00
[redacted] ump	1	1000.00	1	1000.00	1		1	1000.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		$4628.00		$4628.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$4628.00		$4628.00				

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 Dec. 1, 1954 Operator Platoro Uranium Corp.

Per A. N. Swift Title President

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

December 1, 1954

Mr. A. C. Johnson
Chief, Mining Division
Region III
United States Bureau of Mines
1605 Evans Avenue
Reno, Nevada

Dear Sir:

I am enclosing herewith five copies each of Form MF - 104 and MF - 104A, as per instructions from Mr. Gentry.

During the month of November, we completed the shaft station, completed the sump, and have driven 92 feet of drifts on a 252 foot level. These drifts extend 37 feet to the North and 45 feet to the South. We have taken four samples from the vein, which is from 5 feet to 6 feet in width, but the uranium mineralization is evidently disseminated throughout the entire width of the vein. We have also taken four other samples, the results of which have not as yet been given us by the assayer. The radiometric analysis of these show them to be below .10.

In cleaning out the last round of the sump, we have encountered about two feet of banded material, which, according to a radiometric, shows to approximately .35 and .4% U_3O_8. And the last round in the North heading shows indication of this material coming into our drift as we progress to the North.

We are making considerable water in our drifts, which is slowing down our operation and increasing our costs, but we have just purchased some new pumping equipment and believe we have the matter under control.

I am enclosing herewith a very rough sketh of the progress, which Mr. Gentry informed me would be sufficient, owing to the fact that we have no engineering staff or drawing materials to make a better map. However, if same is necessary, we can have an engineer make us a map of our operation.

I hope we have complied with all of the necessary information on these forms, but if we have not, kindly return them to us and we will make them up in the proper manner.

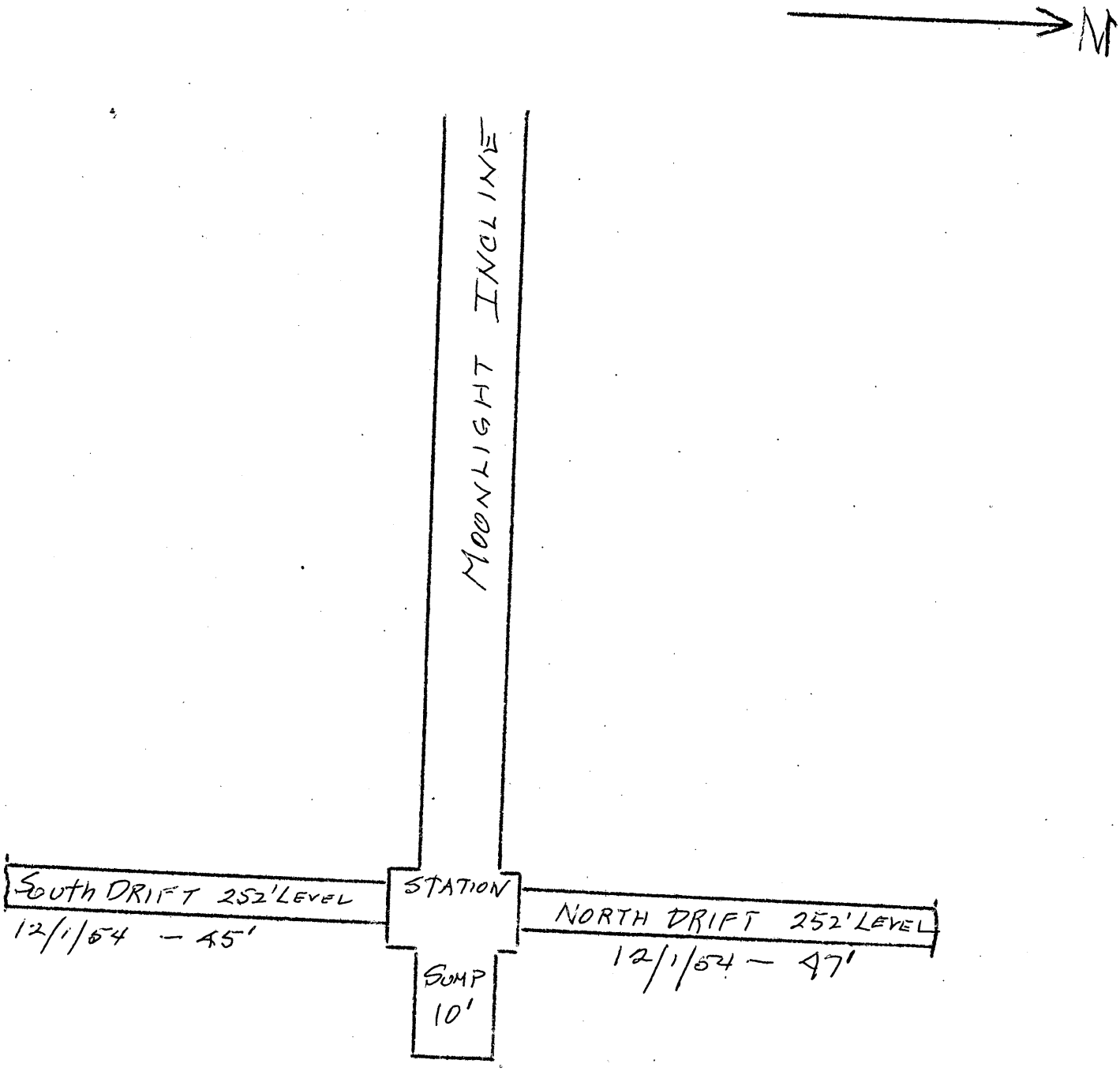
Very truly yours,

PLATORA URANIUM CORP.

By A. N. Sweet
A. N. Sweet

ANS:aa
Encs.

PLATORA URANIUM CORP.
405 UNIVERSITY Bldg.
DENVER, Colo.



A. N. Lauch

Ching
Ellis

Project Summary Report

By: Michael Ching Date: November 30, 1955

1. Docket No. DMEA-3305 (Uranium)
   Contract No.: Idm-E697
   Operator - Platora Uranium Corporation
   405 University Building
   Denver, Colorado

   Property - 10 unpatented claims, Moonlight No. 1 through Moonlight No. 10, located in Sections 9 and 16, T. 45 N., R. 34 E., M.D.B.&M., Humboldt County, Nevada

   Operator's Property Rights - Operator is the Lessee. Owner's Consent to Lien dated August 6, 1954.

2. Contract dated October 28, 1954
   Work Authorized (As Amended):-
   Sink a 10-foot sump below the 252-foot level of the shaft;
   Cut a shaft station on the 252-foot level;
   Drift 250 feet along the vein in a northerly direction;
   Drift 250 feet along the vein in a southerly direction.

   Estimated Cost:

10-foot sump	$1,000.00	
Shaft station	500.00	
500-foot drifting @ $34.00/ft.	17,000.00	
500-foot drift timbering @ $4.00/ft.	2,000.00	
50 chemical sample analyses @ $5.00 each	250.00	
Estimated Total Cost		$20,750.00
Government Participation @ 75%		$15,562.50

   Amendments:

   No. 1 dated November 15, 1954 places the sump, shaft station and drifting on the 252-foot level instead of on the 270-foot level.

   Work Completed:

10-foot sump below 252-foot level	$1,000.00	
Shaft station on 252-foot level	500.00	
500 feet drifting in a northerly and southerly direction from the shaft @ $34.00/ft.	17,000.00	
38.5 foot of drift timbering @ $4.00/ft.	154.00	
Total Fixed Unit Costs		$18,654.00
Government Participation @ 75%		$13,990.50

   The work was started November 6, 1954 and completed April 7, 1955.

3. Auditor's Report of Review dated May 31, 1955

Total cost as billed by Contractor	$18,654.00
Exceptions	None
Total Accepted Cost	$18,654.00
Government Participation @ 75%	$13,990.50

4. Certification of Discovery - None

5. Comments:

The work was well done although numerous delays occurred due to inexperienced mining labor and inadequate equipment.

A 250-foot inclined shaft was sunk along a fault zone in Tertiary rhyolites by the Operator before work on the 250-foot level was begun under the subject contract. Numerous samples taken in the shaft showed ore-grade material occurring erratically down the dip. Better values were found along the 250 feet of shaft than along the 500 feet of drifting on the 250-foot level. However, in no instance was the ore-grade material sufficiently persistent to indicate a commercial ore body.

500 feet of drifting has been completed on the 250-foot level under the subject contract. The work exposed a small tonnage of oxidized uranium-bearing material, which is less than ore grade. The uranium content in the drifts range from less than 0.01% to as much as 0.22% U_3O_8 and is distributed very erratically. Two mineralized zones containing a total of 1,000 tons of material averaging about 0.08% U_3O_8 are indicated on the 250-foot level. Sampling in the shaft above the level also indicated the presence of marginal grade ore.

Inasmuch as the only uranium-bearing material that approaches ore grade resulted from concentration of secondary uranium minerals in fractured and partly-leached rhyolite tuff and breccia, further exploration down the dip of the fault in search of unaltered primary uranium ore bodies is not warranted. Future exploration, if any, should be confined to the upper part of the fault zone in areas of cross fracturing where concentrations of secondary uranium minerals may reach ore grade.

Michael Ching

Michael Ching

[x] Audited

[ ] Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of Dec. 1, 1955
Incl. Voucher for April, 1955

[ ] Actual Cost

[x] Agreed Unit Costs

Name **Platora Uranium Corporation**

Docket No. **DMEA-3305**

State **Nevada**

Commodity **Uranium**

Idm-E No. **Idm-E697**

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	500	$17,000.00	500	$17,000.00	$17,000.00
Raising					
Shafts					
Winzes					
Drilling (Specify)					
Surface Excavation					
Underground Excavation		1,500.00		1,500.00	1,500.00
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Drift Timbering		2,000.00		154.00	154.00
Other (Specify)		250.00		-	-
Totals		$20,750.00		$18,654.00	$18,654.00

Prepared by Michael Chin

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

RECEIVED
DEC 15 1955

1605 Evans Avenue
Reno, Nevada

December 13, 1955

Mr. Jess Nachiondo
129 W. 6th Street
Winnemucca, Nevada

Re: Docket No. DMEA-3305 (Uranium)
Contract No. Idm-E697
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Nachiondo:

We are enclosing copy of a letter dated December 8, 1955 from the Administrator of the Defense Minerals Exploration Administration to Mr. Arthur Sweet in which Mr. Sweet is advised of our final action on above referenced contract.

We thank you for your interest in the Defense Minerals Exploration Program and regret that the project was not successful.

Sincerely yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encl.

SRicker:gh
cc: Operating Committee, DMEA, Wash., D.C.
Geo. Mavor
Finance Off., Reg. II
H. C. Miller
H. M. Smith, USGS
File

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

RECEIVED
DEC 15 1955

1605 Evans Avenue
Reno, Nevada

December 13, 1955

Mr. James R. Murdock
506 Monroe Street
Winnemucca, Nevada

Re: Docket DMEA-3305 (Uranium)
Contract No. Idm-E697
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Murdock:

We are enclosing copy of a letter dated December 8, 1955 from the Administrator of the Defense Minerals Exploration Administration to Mr. Arthur Sweet in which Mr. Sweet is advised of our final action on above referenced contract.

We thank you for your interest in the Defense Minerals Exploration Program and regret that the project was not successful.

Sincerely yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encl.

SRicker:gh
cc: Opr. Com., DMEA, Wash., D.C.
R. M. Smith
Finance Off., Reg. II
H. C. Miller
Geo. Mavor
File

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

RECEIVED
DEC 15 1955

1605 Evans Avenue
Reno, Nevada

December 13, 1955

Mr. Irvin Sweeney
614 E 2nd Street
Winnemucca, Nevada

Re: Docket No. DMEA-3305 (Uranium)
Contract No. Idm-E697
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Sweeney:

We are enclosing copy of a letter dated December 8, 1955 from the Administrator of the Defense Minerals Exploration Administration to Mr. Arthur Sweet in which Mr. Sweet is advised of our final action on above referenced contract.

We thank you for your interest in the Defense Minerals Exploration Program and regret that the project was not successful.

Sincerely yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encl.

SRicker:gh
cc: Opr., Com., DMEA, Wash., D.C.
R. M. Smith
H. C. Miller
Finance Off., Region II
Geo. Mavor
File

700

FILE COPY
Surname:
Chang
Ellis
Chandler
Lethridge
Peterson

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

DEC - 8 1955

Mr. Spangler Rieker
Executive Officer
DMEA Field Team, Region II
U. S. Bureau of Mines
Rare and Precious Metals
Experiment Station
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-3305 (Uranium)
Contract No. Ida-2697
Plateau Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Rieker:

Reference is made to your memorandum of September 29, 1955, recommending that the subject project be certified and that the request for additional work and funds be denied.

The request for additional aid was denied in a letter to the Applicant dated October 17, 1955.

The information contained in the Field Team's final report and in the Operator's report of April 27, 1955, leads us to believe that a certification of discovery or development is not justified in this case.

The field examiners state that there were no reserves of ore grade (0.10% U_3O_8 or more) material discovered by the subject project. No uranium ore was produced during the exploration period and the Operator has reported that no commercial body of mineral was discovered in the execution of this contract.

A certification of discovery would have to be based solely upon the fact that approximately 1,000 tons of material, averaging about 0.08% U_3O_8 are indicated in two mineralized zones on the 250-foot level. This material cannot be mined economically within the foreseeable future and the tonnage is so small that its future potential is insignificant.

R.G.R.

Accordingly, we have not certified a discovery on this project and are in process of preparing a closing letter to the Operator.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

/s/ Robert W. Geehan

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

MChing/izm
11-30-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Code 700
Mr. Ching
Mr. Johnson
MESSRS. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

Surname copy 700

Ching
Ellis
Chambers
Selfridge
Johnson

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

DEC - 8 1955

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
U. S. Bureau of Mines
Rare & Precious Metals Experiment Station
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-3305 (Uranium)
Contract No. Idm-2497
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Ricker:

Enclosed for your files are two copies of a letter to the Operator closing the subject contract.

Since complete addresses for the owners of the property who signed the Owner's Consent to Lien are not available in our docket, we are also enclosing three extra copies to be forwarded by your office to Messrs. John Kachiondo, James R. Murdock, and Irvin W. Sweeney.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

/s/ Robert W. Geehan (GCS)
Director, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Director, Geological Survey

MChing/gla
12-6-55
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Ching
Mr. Johnson
Contract Adm. & Audit Division
Oper. Comm.

R.C.S.

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION

TELEGRAM

W. P. MARSHALL, PRESIDENT

(1955) OCT 18 1201

SYMBOLS

DL = Day Letter

NL = Night Letter

LT = International Letter Telegram

The filing time shown in the date line on domestic telegrams is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

RECEIVED

OCT 18 1955

.WP033 PD=RENO NEV 18 917AMP=

THE FENCE MINERALS EXPLORATION ADMN=

INTERIOR BLDG=

RE DOCKET DMEA-3305 CONTRACT IDM-E697 MINUTES OPERATING C
COMMITTEE OCT 7TH 1955 OUR FINAL FIELD REPORT DID NOT
RECOMMEND ADDITIONAL DMEA EXPLORATION ASSISTANCE=

S RICKER=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

OCT 18 1 18 PM '55
BUREAU OF
MAIL ROOM
WASHINGTON D. C.

Surname copy

700

Ching
Ellis
Yoga
Kilsgaard
Selfridge

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

OCT 17 1955

Mr. Irving Lindner
Secretary and Treasurer
Platora Uranium Corp.
405 University Building
Denver, Colorado

Re: Docket No. DMEA-3305 (Uranium)
Contract No. Idm-E697
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Lindner:

Your application, dated June 3, 1955, for additional aid under the subject exploration project, and other information available to us in Washington concerning the above-named property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Based upon the results of the work performed under the exploration contract, further participation by the Government in exploring for uranium on your property does not appear to be justified. We regret to advise you, under these circumstances, that your application for additional exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your proposed project to our attention.

Sincerely yours,

Frank E. Johnson

Acting Administrator

MChing/gla
10-14-55
cc to: Admr.'s Reading File
Operating Committee
Docket
essrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JCHosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.S.

Docket copy

Ching
Ellis

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

October 14, 1955

Summary of Proposed Project

Object: Denial of application for additional work and funds.

Docket No.: DMEA-3305, Contract No. Idm-E697

Commodity: Uranium

Applicant: Platora Uranium Corporation
405 University Building
Denver, Colorado

Property: 10 unpatented claims, Moonlight No. 1 through Moonlight No. 10, located in secs. 9 and 16, T. 45 N., R. 34 E., M.D.B. and M., Humboldt County, Nevada. Operator is the Lessee.

Date of Application: June 3, 1955

Amount of Application: $18,700.00

Work Proposed: Crosscut 150 feet from the shaft on the 250-foot level hanging wall, prepare drill station and drill 5 diamond drill holes aggregating 1100 feet to explore the downward projection of the Moonlight vein.
Estimated Cost:

150 ft. crosscutting @ $36.00/ft.	$5,400.00	
8 x 10 x 20 ft. drill station	1,950.00	
150-ft. drift timbering @ $10/ft.	1,500.00	
1,100 ft. core drilling @ $8.50/ft.	9,350.00	
100 sample analyses @ $5.00	500.00	
Total		$18,700.00
Government participation @ 75%		$14,025.00

Field Team Report: Dated September 27, 1955
Glenn G. Gentry, USBM
H. K. Stager, USGS

500 feet of drifting has been completed on the 250-foot level under the subject contract. The work exposed a small tonnage of oxidized uranium-bearing

material, which is less than ore grade. The uranium content in the drifts range from less than 0.01% to as much as 0.22% U_3O_8 and is distributed very erratically. Two mineralized zones containing a total of 1,000 tons of material averaging about 0.08% U_3O_8 are indicated on the 250-foot level. Sampling in the shaft above the level also indicated the presence of marginal grade ore.

Inasmuch as the only uranium-bearing material that approaches ore grade resulted from concentration of secondary uranium minerals in fractured and partly-leached rhyolite tuff and breccia, further exploration down the dip of the fault in search of unaltered primary uranium ore bodies is not warranted. Future exploration, if any, should be confined to the upper part of the fault zone in areas of cross fracturing where concentrations of secondary uranium minerals may reach ore grade. Additional exploration is warranted on the part of the Operator but further Government assistance is not justified. It is recommended that the operator's request for additional work and funds be denied.

Commodity Group Comments:

Bureau of Mines - John E. Crawford - October 4, 1955

Reviewed the request for additional funds and discussed it with AEC representative. The assay map indicates that the grade of the ore material becomes lower at depth as it is expected to do in the vein deposits of the Basin and Range Province. Concurs with the Field Team recommendation for denial.

Geological Survey - N. E. Nelson - October 11, 1955

Reviewed the results of work previously done and concurs with the Field Team that the application for additional funds for further work should be denied.

Rare and Miscellaneous Metals Division - Michael Ching - October 13, 1955

A 250-foot inclined shaft was sunk along the fault zone by the Operator before drifting on the 250-foot level under the subject contract was begun. Numerous samples taken in the shaft showed ore-grade material occurring erratically down the dip. Better values were found along the 250 feet of shaft than along the 500 feet

of drifting on the 250-foot level. In no instance was the ore-grade material sufficiently persistent to indicate a commercial ore body. The ore-grade material found resulted from concentrations of secondary minerals. There is nothing to indicate that richer bodies of primary uranium ore will be found with greater depth.

Conclusions and Recommendations:

The property has been subjected to a rather extensive exploration program without outstanding success. The presence, in irregular fashion, of ore-grade material, has been established, but results indicate that the potential of the property is limited. It is recommended that the application for additional work and funds be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

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

RECEIVED
OCT 12 1955

October 12, 1955

Memorandum

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

From: James Paone, Bureau of Mines Alternate Member
Uranium Commodity Committee

Subject: Field Team final report, DMEA Docket 3305, Platora Uranium Corporation, Moonlight Mine, Humboldt County, Nevada

I have reviewed the final report, Platora Uranium Corporation, DMEA Docket 3305; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The Platora Uranium Corporation had applied for and was granted DMEA assistance to explore for uranium in the Moonlight Mine, Humboldt County, Nevada.

Five hundred feet of drift were driven along the fault zone on the 250-foot level of the mine. The exploration work has indicated a small tonnage of oxidized uranium-bearing material. The field examiners therefore recommend that a Certificate of Discovery be issued to the operator.

We concur in the recommendation that a certificate be issued. We also recommend denial of application for additional DMEA funds for reasons stated in the memorandum from this office dated October 5, 1955.

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

James Paone
James Paone

IN REPLY REFER TO:

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

RECEIVED
OCT 12 1955

October 11, 1955

Re: DMEA 3305, Idm-E697
Platora Uranium Corp.
Moonlight Mine
Humboldt Co., Nev.
$20,750.00 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application for an amendment calling for additional assistance and the Field Team Final report on the original contract.

A contract was approved for $20,750.00 of which $18,654.00 was expended on:--

500 feet of drifting	$17,000.00
10 " of sump	1,000.00
38.5 " drift timbering	154.00
1 shaft station	500.00
50 chemical analyses	--
	$18,654.00

The applicant now requests an amended contract for $18,700.00 in order to do:--

150 feet of crosscutting at $36.00/ft.	$ 5,400.00
Timbering drill station	250.00
Drift timbering 150 feet at $10.00/ft.	1,500.00
Drill station	1,700.00
Analyses, 100 samples	500.00
Core drilling, 1,100 feet at $8.50/ft.	9,350.00
	$18,700.00

The drifting under the contract was done at the 250 level from an incline shaft sunk in a fault breccia zone. The shaft breccia zone, from 0.7 to 6.0 feet wide, is generally radioactive and Bureau of Mines sampling showed numerous places where samples of plus 0.10% U_3O_8 material could be obtained, the highest being 2.3 feet at 0.24% U_3O_8.

The drift followed the breccia zone north and south of the shaft. For the 500 feet of drifting done the results of sampling are less encouraging than those in the shaft. As in the shaft pods of material of plus 0.10% U_3O_8 material were revealed. The examiners estimate one block in the south drift to contain 700 tons of 0.09% U_3O_8 material. The block is taken at 40 feet long, 15 feet thick and 15 feet high. Another block containing an estimated 300 tons of 0.05% U_3O_8 material is 20 feet long, 15 feet thick and 15 feet high. "Because of the erratic distribution of uranium bearing material at the Moonlight mine these reserve blocks are projected only 5 feet from exposures in the drift." The examiners conclude that deeper exploration is not warranted, but work "should be confined to the upper part of the fault zone in areas of cross fracturing where concentrations of secondary uranium minerals may reach ore grade."

The application for an amendment asks for assistance in driving a crosscut 150 feet into the hanging wall of the vein at the 250-foot level from the end of which a fan of 5 core drill holes would be drilled to test the breccia zone at points from 130 to 260 feet below the 250-foot level. The examiners and Field Team recommend that the property be certified in view of the discoveries in the drift on the 250-foot level, and recommend that the application for additional funds for further work be denied.

I concur with the two recommendations of the Field Team.

N. E. Nelson

N. E. Nelson

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

October 5, 1955

Memorandum

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

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

Subject: Request for additional funds, DMEA Docket 3305, Platora Uranium Corporation, Moonlight Mine, Humboldt County, Nevada - Contract Idm-E697

I have reviewed the request for additional funds made by Platora Uranium Corporation, DMEA Docket 3305, and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The applicant has requested additional Government aid to continue exploration for uranium in the Moonlight Mine, Humboldt County, Nevada. The exploration program will consist of 150 feet of crosscutting and 1,100 feet of core drilling; the total cost is estimated to be $18,700.

A review of the assay map included in the application indicates that the grade of the ore material becomes lower at depth, as it is expected to do in the vein deposits of the Basin and Range Province.

The field team recommends denial of the application for additional DMEA funds.

We concur in the recommendation that the request for additional DMEA participation be denied.

John E Crawford
John E. Crawford

UNITED STATES
DEPARTMENT OF THE INTERIOR

COPY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

1605 Evans Avenue
Reno, Nevada

September 29, 1955

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada
Contract No. Idm-E697

Attached are four copies of our final report on above subject contract by Glenn G. Gentry, Bureau of Mines and H. K. Stager, Geological Survey in which it is recommended that a certificate of discovery be issued to the Operator, but that application for additional DMEA exploration funds be denied.

Attached are also three copies of the application for an amended contract in which additional work is proposed by the Operator. These were being held in this office until sufficient data were available for our final report.

Roscoe Smith and I concur that the property be certified for a discovery and that additional exploration expenditure is not warranted by the DMEA.

You will please note that the operator's final report, attached to final MF-104 and MF-104A forms for April 1955, was dated April 27, 1955.

/s/ S. RICKER
S. Ricker

Attach.

Received
DMEA OPERATING COMMITTEE
10-7-55
(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

FINAL REPORT

Final E.I. Rpt.

DMEA 3305, Contract Idm-E697 (Uranium)
Platora Uranium Corporation
Moonlight Mine, Humboldt County, Nevada

by

Glenn G. Gentry
Mining Engineer
U. S. Bureau of Mines

H. K. Stager
Geologist
U. S. Geological Survey

Reviewed by
DMEA [illegible] COMMITTEE
10-7-55
(date)

September 27, 1955

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Figure 1. Index map.

2. Claim map.

3. Geologic (Surface) map.

4. Subsurface map and cross section.

5. Assay map of 250 level.

6. Assay map of shaft.

INTRODUCTION

The Moonlight mine, also known as the Platora mine, Humboldt County, Nevada, was explored by the Platora Uranium Corporation, 405 University Building, Denver 2, Colorado, in cooperation with the Defense Minerals Exploration Administration, docket DMEA 3305, under a contract Idm-E697, dated October 28, 1954. Work was begun November 6, 1954 and completed April 7, 1955, and an examination of the property to evaluate the completed program was made April 7, 1955 by G. G. Gentry, U. S. Bureau of Mines, and H. K. Stager, U. S. Geological Survey, accompanied by Mr. Marion E. Price, mine superintendent and engineer for the operator.

The operator has since applied for an amendment to further explore the Moonlight fault zone by a 150 feet crosscut into the hanging wall from the bottom of the shaft and 1,100 feet of diamond drilling. This work is planned to test the uranium content of the fault zone below the 250 level for an additional 260 feet. Total cost of this work is estimated to be $18,700 of which the Government's share would be $14,025.

An apparent discrepancy between Atomic Energy Commission and Bureau of Mines assays led to resampling the mine in August 1955. Assay results were received in September 1955 and are reported herein.

SUMMARY

The purpose of the project was to explore the possible downward and lateral continuation of a uranium deposit that crops out along the Moonlight fault. Five hundred feet of drift was driven along the

fault zone on the 250 level of the mine. Although uranium-bearing material was discovered in the locations where ore was inferred to be the material is too low grade to be commercial.

CONCLUSIONS AND RECOMMENDATIONS

The exploration work has indicated a small tonnage of oxidized uranium-bearing material, which is less than ore grade. Additional exploration is warranted but additional DMEA assistance is not justified.

It is possible that a small tonnage of minable ore may be found above the 250-foot level and may be extracted through the level, and also that some method of concentration may be found to produce a concentrate of acceptable grade. For these reasons it is concluded that the Government is entitled to royalties from future production, and it is recommended, therefore, that the project be certified.

On April 27, 1955, Mr. Irving Lindner submitted the operator's final report, together with a plan map showing the exploration work accomplished under the contract. The examining engineer has verified the amount of the work reported by the operator and recommends that Government accept the operator's final report.

It is recommended that the operator's request for additional DMEA assistance, in a diamond drilling program to further explore the Moonlight deposit, be denied.

THE PROJECT

The work was justified by showings of marginal uranium ore on the surface and in the Moonlight shaft.

Prior to the execution of the contract, the operators at their own expense had sunk the inclined shaft to the 250-foot level and from this shaft had produced and shipped six or seven cars of uranium-bearing material to the Vitro Chemical Company, Salt Lake City, Utah. The operator reports the U_3O_8 content of two of these shipments was 0.14 percent and 0.16 percent; the other shipments contained less than 0.1 percent U_3O_8, and were not paid for.

Pursuant to the exploration contract the 250-foot level was explored by following the Moonlight fissure 250 feet in a northerly direction and 250 feet in a southerly direction from the shaft.

The exploration work was started November 6, 1954 and was completed April 7, 1955. The work included:

Sinking sump	10.0 feet
Cutting shaft station on the 250-foot level.	
Drifting, north of shaft	250.0 feet
Drifting, south of shaft	250.0 feet
Timbering in north drift	38.5 feet

Competence of the Operator

Beginning the exploration contract on November 6, 1954, the operator required five months to complete the project. The average daily advance for this period amounted to only 3.3 feet. Considerable time was lost and numerous delays occurred due to poor and inexperienced mining labor, inadequate equipment requiring considerable repairs and an inadequate pumping system to handle the water from the shaft.

Mr. A. N. Sweet, President of the Platora Uranium Corporation

and Manager of Operations, was unable to devote his entire time to the project and because of a heart condition, was unable to descend and ascend the ladderway in the mine. For this reason, Mr. Sweet had to depend upon the reports of his mine superintendent for his knowledge of operations. Mr. Sweet is a very competent mining engineer and mine operator and it is probable that progress would have been expedited had he been able to personally spend some of his time in the mine. However, the exploration work approved by the contract has been well done and is recommended as satisfactory to the Government.

Mr. Irving Lindner, Secretary and Treasurer of the Platora Uranium Corporation, has informed the Executive Officer of the Defense Minerals Exploration Administration of Region II, that effective as of April 26, 1955, Mr. A. N. Sweet would be retained in the capacity of consulting mining engineer and that future development and operations would be directed from the Denver, Colorado office of the mining company by Mr. Lindner. Mr. Lindner also stated that he would appoint Mr. M. E. Price as resident superintendent of all operations at the mine.

Expenditures

Total expenditures approved by the contract:

Sink sump 10 feet 1/	$ 1,000.00
Cut shaft station 1/	500.00
500 feet of drifting at $34/ft. 2/	17,000.00
500 feet of drift timbering at $4/ft.	2,000.00
50 chemical analyses at $5/each	250.00
Estimated total cost of the project	$ 20,750.00
Government participation at 75%	$ 15,562.50

1/ The finished work constitutes a unit.
2/ This agreed unit cost includes all costs of drifting except timbering and chemical analyses.

Expenditures reported by the applicant:

Month	Amount	Cumulative	Unexpended	Progress
Nov. 1954	$4,628.00	$ 4,628.00	$16,122.00	92.0 ft. drifting 1-Shaft.Sta. at $500 10 ft. of sump $1,000
Dec. "	3,468.00	8,096.00	12,654.00	102.0 ft. drifting
Jan. 1955	4,814.00	12,910.00	7,840.00	140.0 ft. drifting 13.5 ft. drift timbering
April 1955	5,744.00	18,654.00	2,096.00	166 ft. drifting 25.0 ft. drift timbering

Recapitulation:

Total estimated cost as approved by the contract - $20,750.00

Expenditures:	500 ft. of drifting at $34/ft.-	$17,000.00	
	1 - 10 ft. sump	1,000.00	
	1 - Shaft station	500.00	
	38.5 ft. of drift timbering at $4/ft.	154.00	
	50 chemical analyses at $5/ea.	------	
			18,654.00
	Unexpended		$ 2,096.00

Government's share of expended costs at 75% - $13,990.50

Government's share of unexpended funds at 75% - $1,572.00

Value of production during operations and Government's royalty

No uranium ore was produced during the exploration period and therefore no royalties are due the Government for the period from November 6, 1954 to April 7, 1955.

Equipment purchased for the project

The exploration contract was approved upon a unit and footage basis and the Government did not participate in the costs of machinery or equipment supplied by the operator.

GENERAL GEOLOGY

The Moonlight mine is on the western slope of a tilted and moderately dissected east-dipping fault block composed of Tertiary volcanic rocks on the east side of the Kings River Valley.

The oldest rock exposed in the mine area is a dark gray granodiorite that was not observed to crop out at the surface but is well exposed on the 250 level of the mine. Overlying the granodiorite is an intensely altered ash and crystal tuff of intermediate to acidic composition, mapped as Tertiary tuff (Tt) on figs. 3 and 4. Above the ash tuff is a light-colored rhyolite tuff (Trt). This rock contains abundant pyrite and is the host rock for the uranium minerals. It weathers to a dark brown color from decomposition of the pyrite. Overlying the rhyolite tuff is a rhyolite porphyry (Trp) with phenocrysts of feldspar. East of the mine area this rhyolite porphyry grades into a hornblende andesite or latite. The entire volcanic sequence is from 2,000 to 3,000 feet thick.

The regional strike of the volcanic rocks is northerly with dips of from 5 to 15 degrees to the east. Locally dips as great as 60 degrees east were observed. The rocks are cut by numerous faults and fractures that trend from north to northwest and dip from 40 to 85 degrees to the east. The principal fault in the mine area, and

apparently the controlling structure for the uranium deposition, is the Moonlight fault which strikes north and dips 45 degrees east near the surface and 60 degrees east below a depth of 50 feet in the mine shaft. The direction and amount of movement on this fault is unknown because equivalent rock units were not found along both sides of the fault.

ORE DEPOSITS

The uranium minerals at the Moonlight mine occur in rhyolitic rocks which have been intensely brecciated and silicified along the Moonlight fault.

The uranium minerals are autunite, torbernite and/or zeunerite, uraninite?, and gummite. Gangue minerals are fluorite, pyrite, arsenopyrite, chalcopyrite, chrysocolla, quartz, limonite, and clays.

Autunite is most abundant near the surface, decreasing in concentration down the dip of the fault until it is virtually absent at a depth of 250 feet. Torbernite, zeunerite, and gummite supplant autunite as the secondary uranium mineral on the 250 level. Minute black specks that are present as cores in gummite and associated with fluorite and pyrite are inferred to be uraninite although this mineral has not been positively identified in the ore.

Fluorite is abundant as veinlets in the wall rock and as interstitial fillings in the fault breccia, and constitutes up to about 10 percent of the mineral content of the ore, yielding a distinct purple caste to the rock. Pyrite is abundant in the rhyolite below about 100 feet and occurs as fresh unaltered cubes finely disseminated throughout the

rock. Oxidation of the pyrite has yielded limonite along fractures and fault planes in the rock of the lower workings and throughout the rock in the upper part of the shaft.

The uranium content of the fault zone on the 250 level ranges from less than 0.01 percent U_3O_8 to as much as 0.22 percent U_3O_8 although the equivalent U_3O_8 content determined radiometrically ranges as high as 0.84 percent. The equivalent U_3O_8 content commonly is from two to five times the actual U_3O_8 content determined chemically. The uranium content of the rock is extremely erratic in distribution along the 500 feet of exposure on the 250 level but appears to be more concentrated in the zones of cross fracturing in the south drift (fig. 4). Most of the radioactivity in the north drift emanates from brecciated rhyolite cemented with fluorite, pyrite, and quartz. This dark, purplish-gray breccia occurs along the Moonlite fault in a zone from a few inches to as much as ten feet thick.

Extensive sampling of the material exposed in the shaft indicate the presence of small pods of marginal grade ore. These ore pods consist mainly of concentrations of secondary uranium minerals coating fractures in the fault breccia.

Two possible origins for the Moonlight uranium deposit are:
1) the concentration of uranium and other more soluble radioactive uranium daughter products along the zone of the Moonlight fault by leaching from the thick overlying section of rhyolitic rocks; and
2) the deposition of small amounts of uranium along the fault, and in veinlets in the wall rocks, by uranium-, fluoride-, and sulfide-bearing solutions, with the uranium having since been partly redissolved by acidic ground water and concentrated in zones of cross fractures as secondary uranium minerals.

SAMPLES

SOUTH DRIFT

No.	Width Ft.	Radio-metric U_3O_8	Chemical U_3O_8
BM 1420	3.3	0.069	
BM 1478	1.5	0.142	0.05
BM 1479	2.3	0.075	0.04
BM 1480	1.5	0.063	0.05
BM 1481	2.2	0.10	0.06
BM 1482	1.2	0.11	0.05
BM 1483	1.2	0.12	0.12
BM 1484	2.4	0.13	0.10
BM 1507	3.6	0.047	
BM 1508	4.4	0.055	
BM 1509	5.0	0.11	0.05
BM 1510	4.0	0.014	
BM 1511	3.0	0.17	0.11
BM 1512	4.3	0.01	
BM 1513	Specimen	0.20	0.07
BM 1521	Panned Sulphides	0.59	0.17
BM 1522	2.0	0.23	0.22
BM 1523	1.4	0.14	0.15
BM 1524	1.8	0.02	
BM 1525	1.2	0.05	
BM 1526	1.4	0.02	
BM 1527	3.7	0.015	
BM 1528	2.6	0.03	
BM 1529	3.4	0.09	
BM 1530	2.8	0.04	
BM 1531	2.0	0.08	
BM 1532	1.6	0.15	0.11
BM 1533	3.8	0.12	0.06
BM 1534	Grab	0.09	

NORTH DRIFT

No.	Width Ft.	Radio-metric U_3O_8	Chemical U_3O_8
BM 1419	3.0	0.025	
BM 1469	0.7	0.071	0.03
BM 1470	1.7	0.11	0.09
BM 1471	2.1	0.081	0.06
BM 1472	2.4	0.018	
BM 1501	2.8	0.30	0.09
BM 1502	2.6	0.05	
BM 1503	2.5	0.10	0.03
BM 1504	2.8	0.14	0.02
BM 1505	1.5	0.08	
BM 1535	3.3	0.12	0.04
BM 1536	2.6	0.04	
BM 1537	2.6	0.07	
BM 1538	2.0	0.09	
BM 1539	2.7	0.16	0.07
BM 1540	1.9	0.11	0.04
SUMP			
BM 1473	2.4	0.067	0.07
BM 1474	1.8	0.15	0.17
BM 1475	2.0	0.071	0.05
BM 1476	3.0	0.027	
BM 1477	0.5	0.84	0.19

	Ozs/T		
	Au.	Ag.	% Cu.
BM 1537	0.01	6.4	1.78

SAMPLING

Sample No.	Width, Feet	Location	Geiger Counter Indication Bg	Geiger Counter Indication Count	Percent eU_3O_8	Percent cU_3O_8
BM-						
1604	2.1	250 level - north drift	0.2	0.3 - 0.35	0.03	
1605	3.3	"	0.4	0.6 - 0.8	0.15	0.05
1606	2.8	"	0.5 - 0.7	0.7 - 1.8	0.13	0.08
1607	2.1	"	0.5 - 0.7	1.2 - 1.5	0.12	0.05
1608	2.1	"	0.5	0.9 - 1.0	0.08	
1609	1.9	South drift	0.4	0.7 - 0.8	0.07	
1610	4.3	"	0.5 - 0.7	1.2 - 1.4	0.20	0.05
1611	1.7	"	0.5 - 0.7	1.1 - 1.5	0.22	0.06
1612	2.0	"	0.5	1.2 - 1.4	0.25	0.25
1613	1.7	"	0.5	1.2 - 1.4	0.26	0.20
1614	4.0	"	0.4 - 0.5	0.5 - 0.6	0.05	
1615	1.0	"	0.4	0.5 - 0.7	0.04	
1616	2.5	"	0.4	0.5 - 1.0	0.04	
1617	1.7	North drift	0.7	0.9 - 1.4	0.14	0.09
1618	chip	"	-	-	0.01	
1619	2.7	"	0.6	0.6 - 0.8	0.10	0.05
1620	2.1	"	0.4 - 0.5	0.6 - 0.8	0.16	0.08
1621	1.8	North side of shaft - 6 feet below collar	0.5	0.8 - 1.2	0.21	0.05
1622	1.7	12 feet below collar	0.5	0.8 - 1.5	0.26	0.06
1623	2.2	16 feet below collar	0.7	1.2 - 1.8	0.19	0.08
1624	1.7	28 feet below collar	0.6	0.8 - 2.0	0.40	0.10
1625	0.8	35.5 feet below collar	0.4	1.2 - 1.4	0.29	0.18
1626	3.5	41.5 feet below collar	0.7	0.7 - 1.2	0.11	0.08
1627	0.7	51 feet below collar	0.5 - 0.6	0.8 - 1.2	0.17	0.09
1628	2.4	68.6 feet below collar	0.6	0.8 - 1.6	0.25	0.10
1629	5.5	100 feet below collar	0.6	0.8 - 1.8	0.23	0.11
1630	6.0	110 feet below collar	0.7	0.7 - 1.4	0.13	0.08

Sample No. BM-	Width, Feet	Location	Geiger Counter Indication Bg	Geiger Counter Indication Count	Percent eU_3O_8	Percent cU_3O_8
1631	5.0	North side of shaft - 115 feet below collar	0.7	0.7 - 1.6	0.22	0.11
1632	2.4	129.5 feet below collar	0.7	1.0 - 1.6	0.28	0.16
1633	2.4	140 feet below collar	0.7	1.0 - 2.0	0.37	0.21
1634	1.4	154 feet below collar	0.6	0.9 - 1.2	0.13	0.10
1635	3.9	171 feet below collar	0.8	1.3 -2.0+	0.44	0.15
1636	3.3	189.5 feet below collar	0.6	1.0 - 1.4	0.23	0.11
1637	2.3	195 feet below collar	0.7	1.4 - 2.0+	0.43	0.24
1638	2.6	207 feet below collar	0.5 - 0.7	1.0 - 1.8	0.25	0.17
1639	3.6	South side of shaft - opposite sample 1632	0.7 - 0.8	1.2 - 1.4	0.14	0.06
1640	3.0	opposite sample 1634	0.8 - 0.9	1.2 - 1.4	0.28	0.11
1641	2.0	AEC sample No. 42	0.8 - 0.9	1.0 - 1.4	0.37	0.26
1642	5.0	6 feet above sample 1636	0.8 - 0.9	1.2 - 1.9	0.32	0.20
1643	0.7	226 feet below collar	0.4	1.2 - 1.4	0.68	0.26

BG = Background

Instrument: Detectron, Model No. DG-2, No. 2 scale.

The above samples were taken by the examining engineer after careful examination by means of a mineralight and a Geiger counter and represent the locations where the highest count was obtained.

Additional muck pile samples taken by the operator are reported as follows:

North Drift	Radiometric U_3O_8	South Drift	Radiometric U_3O_8
Shaft plus 10 ft.	0.007	Shaft plus 10 ft.	0.017
20 "	0.038	20 "	0.035
30 "	0.06	30 "	0.045
40 "	0.03	40 "	0.055
50 "	0.02	50 "	0.04
60 "	0.05	60 "	0.05
70 "	0.025	70 "	0.04

Analyses of the above by:
Charles O. Parker
214 Curtis St., Denver, Colo.

Other samples taken by the operator's superintendent are reported by him as follows:

No.	Width	Location	Chemical U_3O_8
5002	4 inches	Shaft - Pump Sta. No. 1	0.032
5003	21 "	Shaft - Below No. 5002	0.233
5004	36 "	Shaft - Below No. 5003	0.326
5005	21 "	Shaft - South side - opposite 5003	0.102
5006	48 "	Shaft - Below 5005	0.063
5007	66 "	Shaft - North side - 36' above pump sta. No. 1	0.233
5008	44 "	Shaft - 18' below pump sta. No. 1	0.209
5009	30 "	FW - South drift - Sta. 305 + 3'	0.054
5010	30 "	HW - South drift - Sta. 305 + 8'	0.214
5011	18 "	In X-cut - south drift - Sta. 305 + 12'	0.170
5012	Grab	North drift - Sta. 308 + 18'	0.013
5013	30 "	North drift - Sta. 308 + 5'	0.016
5014	---	South drift at Sta. 311	No info.
5000	30 "	North drift - Sta. 308 + 3'	0.365
5001	30 "	South drift - Sta. 305	0.09

The operator has taken numerous other samples for radiometric analyses but due to the low grade of the material had no chemical analyses made.

RESERVES

There were no reserves of ore grade (0.10 percent or more U_3O_8) material discovered by DMEA work at the Moonlight mine.

Reserves of about 1,000 tons of material having an average grade of about 0.08 percent U_3O_8 are indicated in two mineralized zones in the south drift (fig. 4). The largest zone, Block A, is estimated to contain about 700 tons of material with a U_3O_8 content ranging from 0.02 to 0.25 percent U_3O_8 and an average grade of 0.09 percent U_3O_8 in a block 40 feet long, 15 feet thick, and 15 feet high. A smaller zone, Block B, estimated to contain about 300 tons of material having an average grade of 0.05 percent U_3O_8 is in a block 20 feet long, 15 feet thick, and 15 feet high. Because of the erratic distribution of uranium-bearing material at the Moonlight mine these reserve blocks are projected only 5 feet from exposures in the drift.

Inasmuch as the only uranium-bearing material at the Moonlight mine that approaches ore grade is the result of concentrations of secondary uranium minerals in fractured and partly leached rhyolite tuff and breccia, further exploration down the dip of the fault in search of unaltered primary sulfide and uranium ore bodies is not warranted. Future exploration, if any, should be confined to the upper part of the fault zone in areas of cross fracturing where concentrations of secondary uranium minerals may reach ore grade.

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET NO. 3305

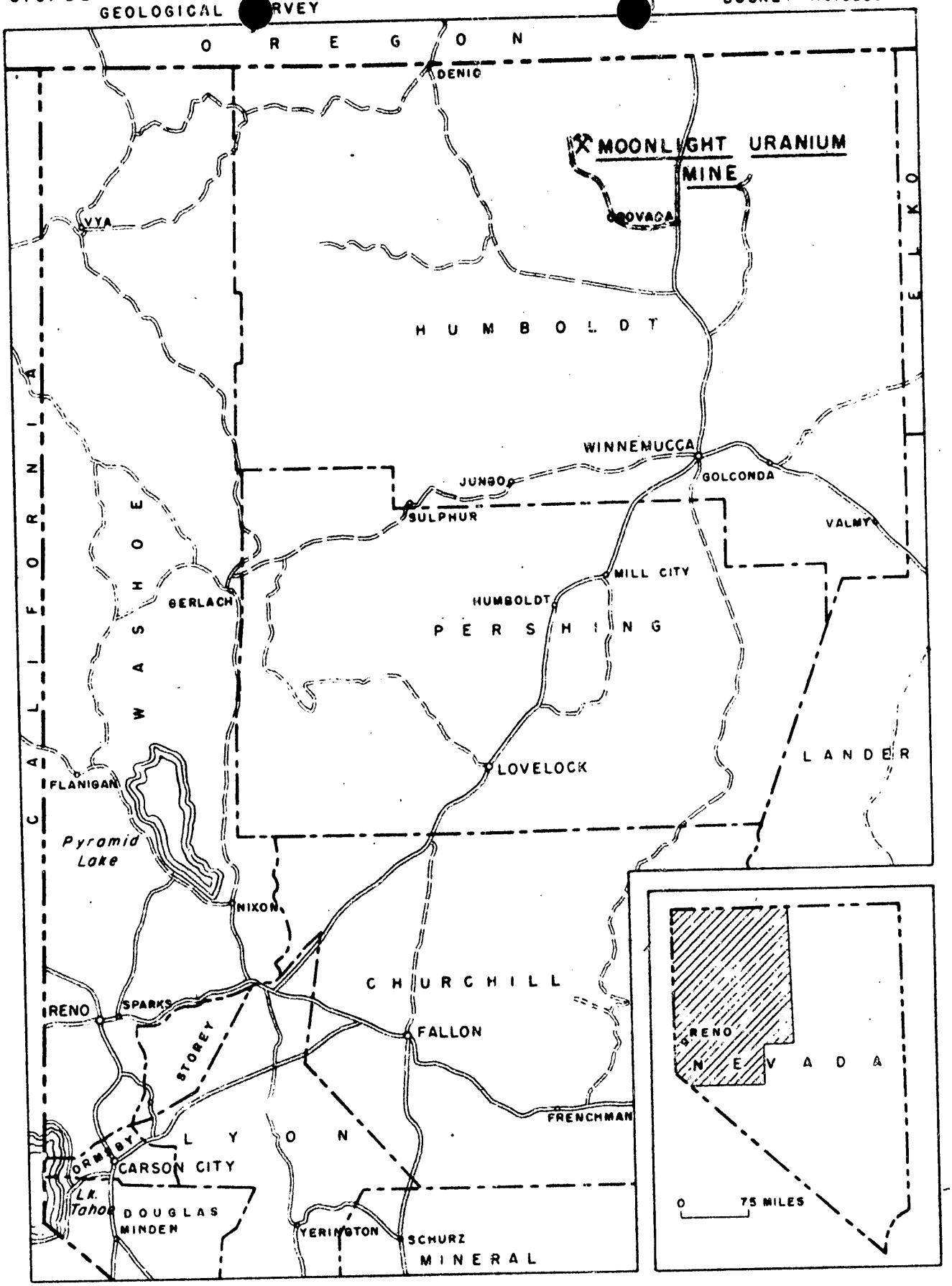
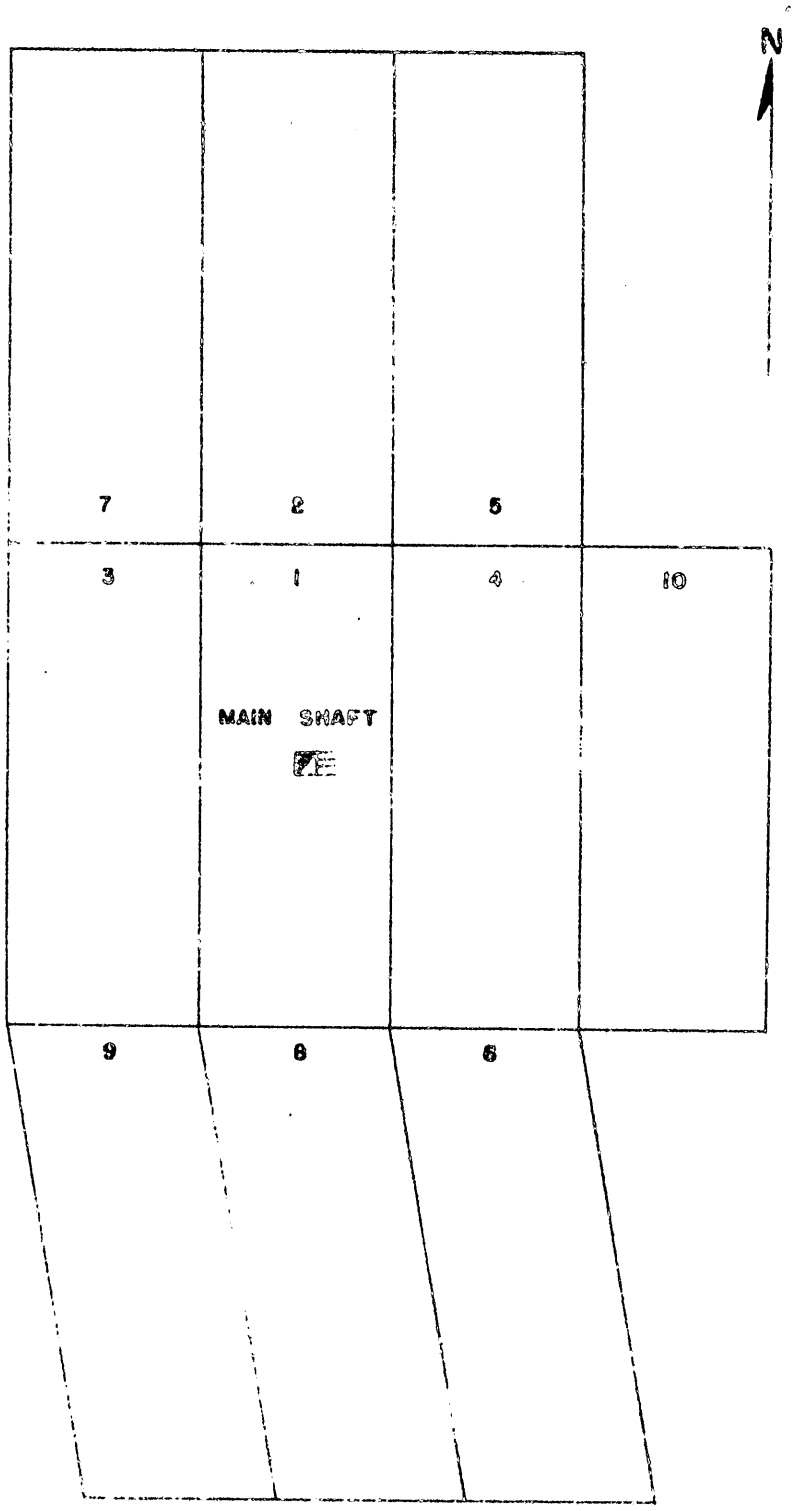


FIG. I INDEX MAP OF NORTH WEST NEVADA

10 0 10 20 MILES



Scale - 1" = 600'

Fig. 2 - Index Map of the Moonlight Claim Group

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

RECEIVED
OCT 10 1956

1201 N. Division St.
Spokane 2, Washington
September 15, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John A. Bowsher and E. C. Pattee, Mining Engineers, Bureau of Mines, Region I

Subject: Interim report, Docket No. DMEA-3303 (uranium), George M. Hoffman, White Pine Mine, Jefferson County, Montana, Contract No. Idm-E799

The routine inspection visit was made on September 30, 1955 accompanied by George M. Hoffman. The previous visit was on July 27.

No advance underground has been made to date; the activity consists of surface installations and rehabilitation of the adit portal. The post holes were ready for the Montana Power Company to set the electric transformer. The 150 feet of track on the adit dump is installed. The structure and concrete foundation for the compressor is ready for the delivery of the equipment. A timber shed is being erected, but this is not a contract item and the work is on company time. A blower is housed with 20 hp motor connected, and as soon as the electric power is turned on, ventilation will be provided to clean out the east drift face. Some timbering has been reset in the portal area; the 11th set from the portal was reset.

John A. Bowsher

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
JAB/he
AEC (2)

3305-
Platora

Geological Survey — Clearance sheet for manuscripts requiring DMEA and Bureau of Mines approval.

Author (s) A. O. Taylor and J. F. Powers

Title Uranium occurrences at the Moonlight mine and Granite Point claims, Humboldt County, Nevada

Submitted by Mineral Deposits Branch for approval for publication

as (or in) TEM and/or TIS

This manuscript (with accompanying illustrations) has been reviewed and clearance for its publication is endorsed by:

	Name	Date rec'd.	Date forwarded
1. U. S. Bureau of Mines			
2. DMEA			

DMEA comments:

1. The Moonlight mine was examined, mapped, and sampled by Messrs. A. O. Taylor and John Powers, geologists, U. S. Geological Survey, and Glen G. Gentry, U. S. Bureau of Mines, Region III (now Region II) for DMEA in early June 1954. Their report is dated July 19, 1954.

2. With the exception of the cross section through the shaft of Figure 2, the figures present the same data as those included in the Report of Examination by Field Team Region III. However, there is not a single reference to DMEA on any of the three figures.

3. The last two paragraphs of page 4 could be clarified by putting the reference to the preliminary DMEA examination and Gentry's sampling together, followed by the data relating to the AEC or its personnel.

4. If the owners are willing, it would seem logical to include all of the information developed under the DMEA contract in a publication.

GCSelfridge/esf
7/6/55
cc: Oper. Com.
Docket
Mr. Mittendorf
Mr. Johnson
Mr. Ellis
Mr. Selfridge

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

RECEIVED
JUN 27 1955

1605 Evana Avenue
Reno, Nevada

June 23, 1955

Irving Lindner
Lindner and Shere
Suite 407, University Building
Denver 2, Colorado

Re: Docket DMEA-3305 (Uranium)
Moonlight Mine
Contract No. Idm-E697

Dear Mr. Lindner:

Reference is made to your letter of June 21, 1955 regarding an amendment to above referenced contract.

We have been holding our final report on the work done thus far in abeyance awaiting results from a recent sampling job by the A. E. C. We felt that we should get all available data before making any final recommendation to our Washington office regarding additional work on the Moonlight.

We expect to have concluded our summary on work done thus far as soon as we get the chemical results on the A. E. C. sampling.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

SRicker:gh
cc: Operating Committee, DMEA, Wash., D. C.
R. M. Smith
File

PLATORA URANIUM CORPORATION

405 UNIVERSITY BUILDING • DENVER 2, COLORADO • ACOMA 2-9575

June 4, 1955

Mr. Spangler Bicker
c/o Defense Minerals Exploration Administration
1605 Evans Avenue
Reno, Nevada

Dear Sir:

I enclose herewith original and three copies of letter, together with map of Moonlight Mine, cross section of same, and assay map, to be treated as application for amended contract and additional loan.

I will appreciate anything that you and your office can do to expedite a decision on this request. As you will doubtless remember, our original application took a terrific length of time and by the time the work was approved most of it had been completed as a private action on behalf of Platora Uranium Corp.

I deeply appreciated the time and attention both you and Mr. Glenn Gentry gave me on April 26th. At the end of our conference, I felt that I had at least some understanding of the Moonlight Mine.

Based upon this groundwork and subsequent conversations with Mr. Sweet and Mr. Price, I believe that this property is of great academic interest and should be developed further. I trust the lines of development are in accordance with your thinking and that of Mr. Gentry.

Again thanking you for your kindness to me and in appreciation of your explanations, I remain,

Yours very truly,

Irving Lindner, Secretary
of Platora Uranium Corp.

IL/aa
Encls.

Field file
Canada
memo

PLATORA URANIUM CORPORATION

405 UNIVERSITY BUILDING • DENVER 2, COLORADO • ACOMA 2-9575

June 3, 1955

United States Department of the Interior
Defense Minerals Exploration Administration
United States Bureau of Mines
Reno, Nevada

In re: Docket No. DMEA-3305
Contract No. Idm-E697

Gentlemen:

The following is tendered to you as an application for amended contract on behalf of Platora Uranium Corp., of Contract No. Idm-E697.

Heretofore, under date of April 27, 1955, we tendered five copies of your Forms MF-104 and MF104A, together with five copies of final map. Said letter contained a narrative account summarizing the operations under the previous conditions of said loan. The company believes that the Moonlight Mine deserves additional consideration by your office for its future exploration and development plans. The program submitted herewith provides for a 150-foot crosscut driven into the hanging wall of the Moonlight structure, to explore an additional 258 feet of vertical depth with a vertical hole, and drilling four holes for a 20° horizontal spread and 10° vertical spread. This will give lateral exploration as well as some spread up and down dip. We believe that an allowance for this work should be $36.00 per foot for said crosscut, $1700.00 for cutting an 8' x 10' x 20' drill station, timbering allowance in the amount of $250.00 will be necessary, optional timbering allowance of this crosscut is requested at the rate of $10.00 per foot, and request is made for 100 samples at $5.00 each. In addition, the company requests 1100 feet of diamond drill hole to complete the proposed drilling. In the event the dip of the Moonlight structure changes with depth, the contract may possibly have to be revised providing a greater or lesser distance. For the purpose of drilling these rather short holes, EX hole may be sufficient. In case the ground is difficult to drill, casing or cementing may be required. These contingencies are rather hard to determine at this time, but doubtless your contract can be drawn or subsequently changed to provide for any unforeseen difficulties. We believe the going rate for this moderate amount of drilling should be $8.50 per foot. Said underground drilling

RECEIVED
OCT 3 - 1955

would be done preferably by air, but might be done by air rigs.

The following is a recapitulation of the above costs:

150-foot crosscutting @ $36.00 per foot	$5400.00
Timbering drill station	250.00
150-foot timbering @ $10.00 per foot	1500.00
One drill station 8' x 10' x 20'	1700.00
100 samples @ $5.00 each	500.00
1100-foot core drilling @ $8.50 per foot	9350.00
Total	$18,700.00

The costs are based upon our previous contract wherever possible by modifying in accordance with our experience on this property.

The exploration program follows that suggested by our mine superintendent and engineer, Marion E. Price. I believe that Mr. Glenn Gentry of your office has talked with Mr. Price. We believe that your office is thoroughly familiar with the property and conditions of this mine through its personal experience and through our contacts with and reports from Mr. Price and Mr. A. N. Sweet.

I enclose herewith tracings prepared by Mr. Marion Price.

Yours very truly,

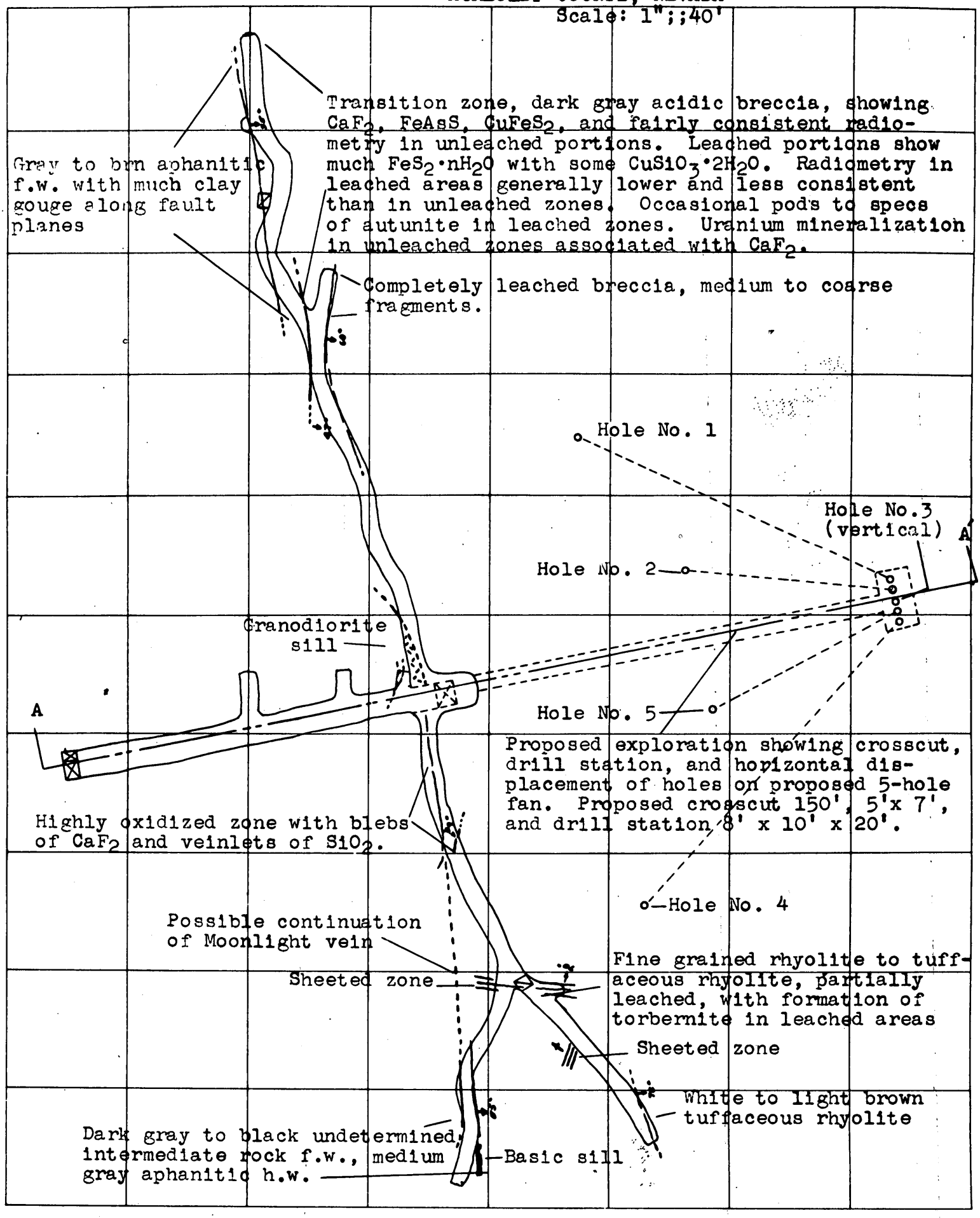
PLATORA URANIUM CORP.

By Irving Landner
Secretary

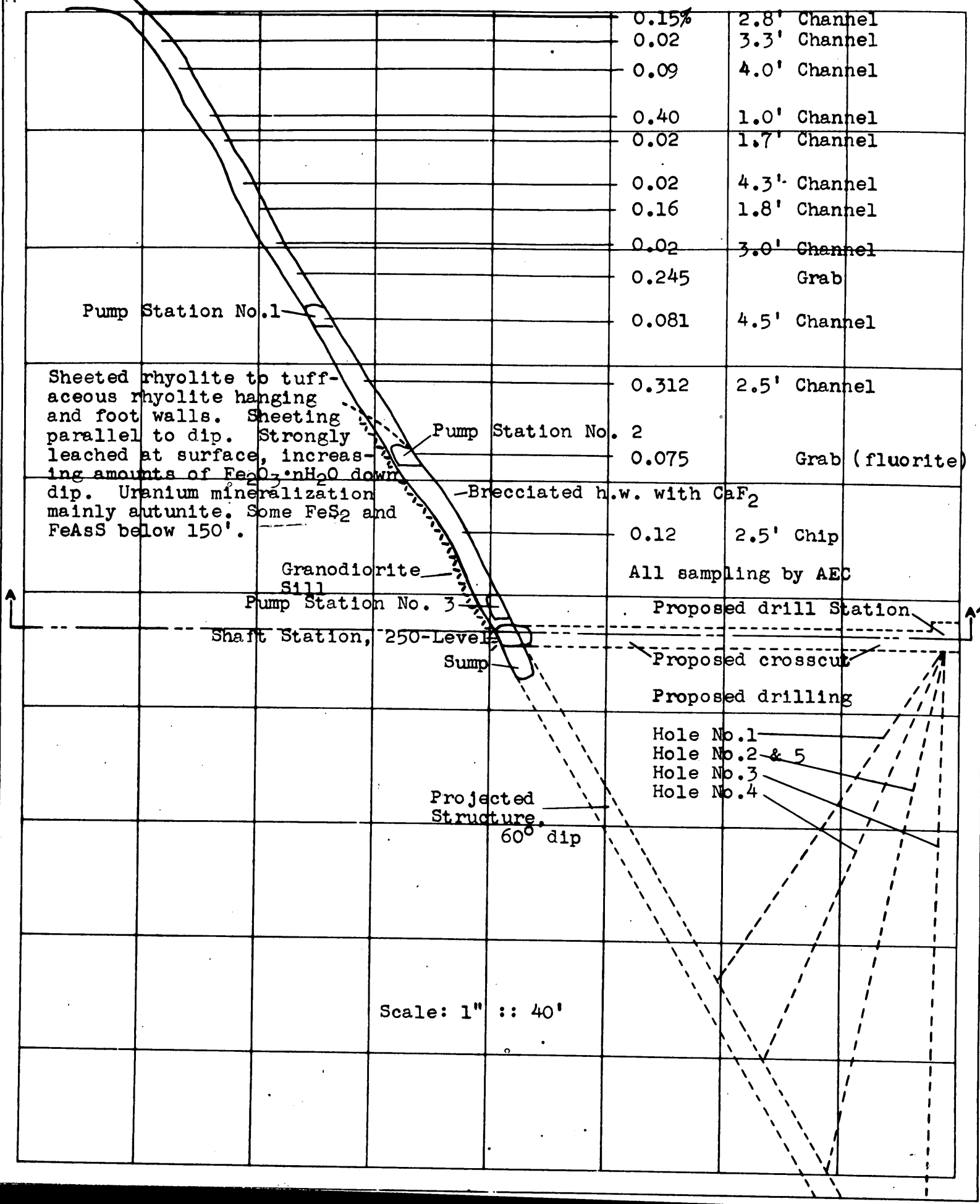
IL/aa
Encls.

50-LEVEL, MOONLIGHT MINE, NGS RIVER AREA,
HUMBOLDT COUNTY, NEVADA

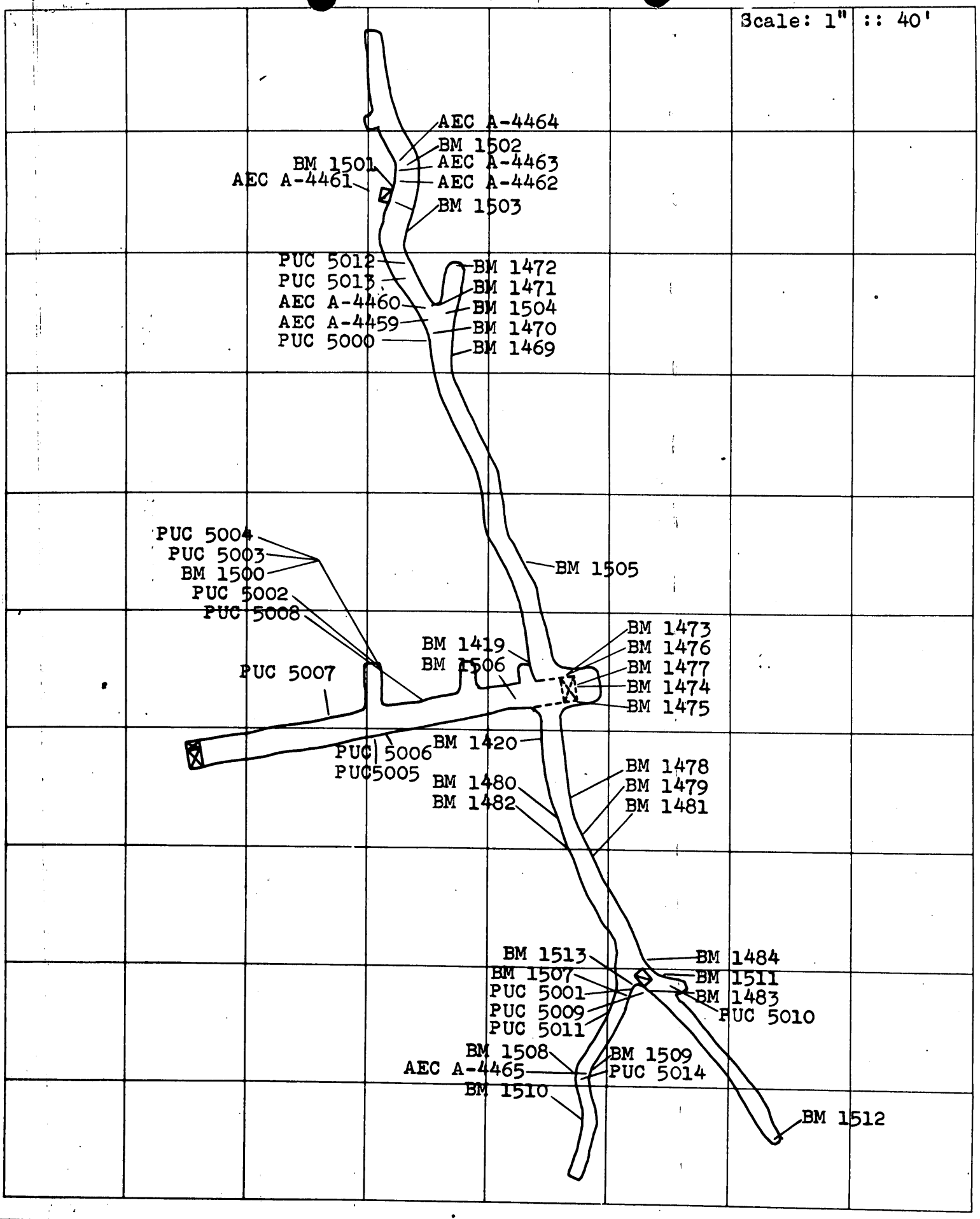
Scale: 1";;40'



Cross Section A-A', Moonlight Mine,
Kings River A[illegible]a, Humboldt Co., Nevada



ASSAY MAP, MOONLIGHT MINE, KINGS RIVER AREA, HUMBOLDT COUNTY, NEVADA



INDEX TO SAMPLES

	Width:	eU_3O_8*	cU_3O_8**		Width:	eU_3O_8*
BM 1419	3.0'	0.025%		AEC A-4459	1.5'	0.09%
BM 1420	3.3'	0.069		AEC A-4460	3.0'	0.057
BM 1469	0.7'	0.071	0.03%	AEC A-4461	2.0'	0.043
BM 1470	1.7'	0.11	0.09	AEC A-4462	5.0'	0.067
BM 1471	2.1'	0.081	0.06	AEC A-4463	4.5'	0.072
BM 1472	2.4'	0.018		AEC A-4464	2.5'	0.075
BM 1473	2.4'	0.067	0.07	AEC A-4465	5.0'	0.101
BM 1474	1.8'	0.15	0.17			
BM 1475	2.0'	0.071	0.05			
BM 1476	3.0'	0.027				
BM 1477	0.5'	0.84	0.19			cU_3O_8**
BM 1478	1.5'	0.142	0.05			
BM 1479	2.3'	0.075	0.04	PUC 5000	2.5'	0.356%
BM 1480	1.5'	0.063	0.05	PUC 5001	Grab	0.08
BM 1481	2.2'	0.10	0.06	PUC 5002	4"	0.032
BM 1482	1.2'	0.11	0.05	PUC 5003	1.8'	0.233
BM 1483	1.2'	0.12	0.12	PUC 5004	3.0'	0.326
BM 1484	2.4'	0.13	0.10	PUC 5005	1.8'	0.102
BM 1500	4.0'	0.17		PUC 5006	4.0'	0.063
BM 1501	2.8'	0.30		PUC 5007	5.5'	0.233
BM 1502	2.6'	0.05		PUC 5008	3.5'	0.209
BM 1503	2.5'	0.10		PUC 5009	2.0'	0.054
BM 1504	2.8'	0.14		PUC 5010	2.0'	0.214
BM 1505	1.5'	0.08		PUC 5011	1.0'	0.170
BM 1506	2.5'	0.16		PUC 5012	Grab	0.013
BM 1507	3.6'	0.047		PUC 5013	2.5'	0.016
BM 1508	4.4'	0.055		PUC 5014	Grab	0.110
BM 1509	5.0'	0.11				
BM 1510	4.0'	0.014				
BM 1511	3.0'	0.17				
BM 1512	4.3'	0.01				

*--Radiometric determination
**-Chemical determination

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 28 1955

Office of
Executive Officer
DMEA Field Team
Region ~~III~~ II

420 Custom House
555 Battery Street
San Francisco 11, California

Date: February 23, 1955

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region ~~III~~ II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -
Docket DMEA -3305

Contract Idm-E 697

Commodity Uranium

Operator - Platora Uranium Corporation

Property - Moonlight Mine
Humboldt County, Nevada

By R. M. Smith, Geologist

Dated February 23, 1955

Executive Officer,
DMEA Field Team, Region ~~III~~ II

Attachments

Copy to: R. M. Smith--USGS (with copy of report)
Finance Officer, Region ~~III~~ II (with copy of report)

Geologist's Contribution to Joint Interim Report

DMEA-3305 (Uranium), Platora Uranium Corporation
Moonlight Mine, Humboldt County, Nevada
Contract Idm-E697

RECEIVED
FEB 28 1955

by R. M. Smith

FEB 23 1955

GEOLOGY

The Moonlight shaft has been sunk to a depth of 256 feet along the Moonlight fault which on the surface strikes north and dips 45° east. Below 50 feet the fault steepens to 60° throughout the rest of the shaft.

The hanging wall of the fault is aphanitic rhyolite tuff and the foot wall is a granular rhyolite ash tuff to a depth of 150 feet. Below 150 feet the foot wall is a dark gray granodiorite. The fault zone ranges in width from 2 to 5 feet and contains brecciated fragments of both the hanging and foot wall rocks. At a depth of 200 feet a dark gray volcanic breccia dike (?) about 10 feet wide containing light gray tuff fragments cuts the hanging wall and a segment of this same rock is exposed between the walls of the fault about 20 feet farther down the shaft.

On the 250 foot level a drift has been driven north 140 feet following the course of the Moonlight fault, which strikes N. 15 W. and dips 65° E. A drift was also driven south 160 feet, about 50 feet of which is along the Moonlight fault and the remainder is along hanging wall branches of the fault system.

Autunite and a little torbernite (?) in specks .1 to 1 mm occur disseminated sporadically through the fault breccia and locally concentrated in fractures in the hanging wall of the fault. Highest concentration of autunite was found on the No. 1 pump station in the

hanging wall of and adjacent to the fault in a lenticular zone 6 inches wide and 10 feet long. A sample assayed 1.24 percent U_3O_8.

Iron oxide occurs along the fault and in fractures in both the hanging and foot wall rocks to a depth of about 100 feet. Below that depth iron oxide is almost confined to the brecciated zone along the fault and is found to the extreme bottom of the shaft. Pyrite is disseminated principally in the aphanitic rhyolite tuff from a few feet below the collar of the shaft throughout most of the workings. Other rocks locally contain a little pyrite. Veinlets of fluorite occur in the fault breccia.

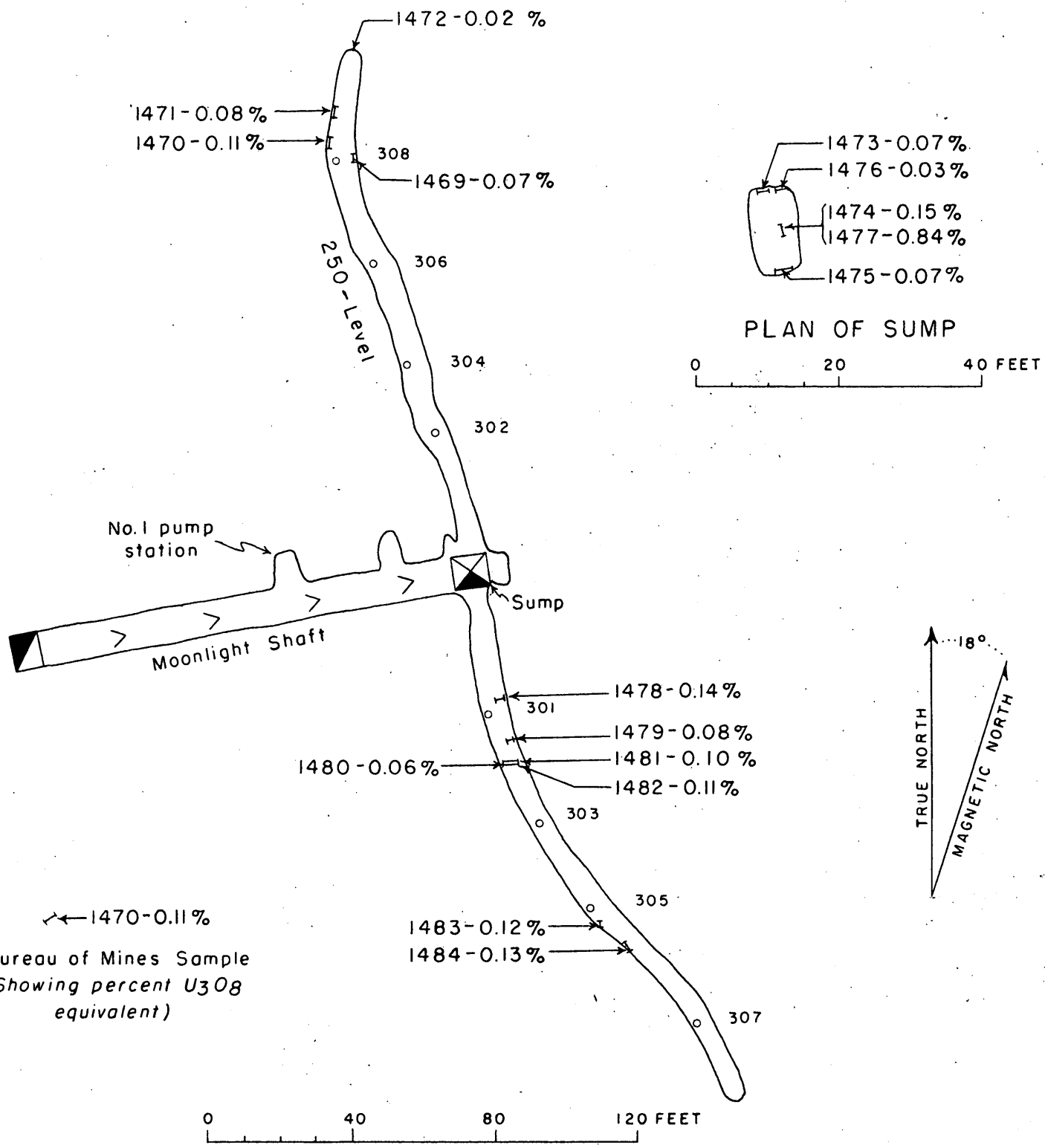
There does not appear to be enough secondary uranium minerals to account for the uranium assays obtained from car shipments and cut samples. An unidentified black mineral occurring in microscopic veinlets with pyrite is inferred to be uraninite or pitchblende.

At a conference in Winnemucca on January 26, 1955 with Mr. Sweet, it was mutually agreed to drift on the main Moonlight structure to the north and in the south heading to crosscut westerly from about station 303 to cut the inferred position of the fault (fig. 2).

DMEA funds are for the purpose of exploring the Moonlight fault and the target of the exploration is still valid although the results to date have been disappointing. It is recommended that the exploration be continued to the limit of the funds provided in the contract.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3305
(URANIUM)



ASSAY MAP, MOONLIGHT MINE
HUMBOLDT COUNTY, NEVADA

Figure 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
FEB 23 1955

Office of
Executive Officer
DMEA Field Team
Region ~~III~~

420 Custom House
555 Battery Street
San Francisco 11, California

Date: February 18, 1955

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region ~~III~~ II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -
Docket DMEA - 3305

Contract Idm-E 697

Commodity Uranium

Operator - Platora Uranium Corporation

Property - Moonlight Mine
Humboldt County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated February 17, 1955

Executive Officer,
DMEA Field Team, Region ~~III~~ II

Attachments

Copy to: R. M. Smith--USGS (with copy of report)
Finance Officer, Region ~~III~~ II (with copy of report)

DEPARTMENT OF ... Defense Mine... RE...
FEB 23 19...

INTERIM REPORT

Docket No.: DMEA-3305 February 16, 1955

Name and address of operator: Platora Uranium Corp.,
405 University Bldg.
Denver, Colo.

Name and location of property: Moonlight Mine
Humboldt County, Nevada

Contract No.: Idm-E697

SUMMARY

The Moonlight Mine was visited on January 25 and 26, 1955 for the purpose of inspecting the work performed under the exploration contract. During the inspection, the examining engineer was accompanied by Mr. L. A. McConley, contractor-superintendent for the operator, for approximately two hours; Mr. M. E. Price, engineer-geologist for the operator and Mr. R. M. Smith, geologist, U.S. Geological Survey also accompanied them on the inspection of the mine. Conferences were held with Mr. A. N. Sweet, president of the Platora Uranium Corp. in his room at the Sonoma Inn, Winnemucca, Nev., on the evenings of January 24 and 26, 1955.

Since the inspection on November 9, 1954, the operator has been engaged in extending the North and South drifts on the 252-foot level, repairing and replacing some of the operating equipment and has completed the sump to a depth of 10 feet below the 252-foot level. No timber supports have been required in the South drift and only three timber sets

have been installed in the North drift.

In order to expedite the exploration work, the operator has installed a new Gardner-Denver air compressor of adequate capacity; and on the 252-foot level station he has installed a Fairbanks, double-action, boiler feed, steam pump having a 2-1/2 inch intake by a 2-inch discharge. This pump is actuated by compressed air and pumps water from the sump to the collar of the shaft.

On the dates of the inspections, the mine personnel consisted of L. A. McConley, contractor and superintendent, M. E. Price, engineer and geologist, 2 hoistmen and 2 miners.

On the evening of January 26, Mr. A. N. Sweet informed the examining engineer that he had as of that date retained Mr. M. E. Price as superintendent in direct charge of all mine operations. The miners have been working on a one shift per day basis and the second hoistman acts as the pumpman on the night shift. As a general rule, the operator endeavors to drill and blast both headings before going off shift. A heading round is generally a wedge cut, and from 13 to 14 holes are usually drilled to a depth of 6 feet each. The drilled holes are charged with 40% Dupont dynamite and electric firing is used to detonate the charge. Mucking and tramming are done by hand. Ventilation is by means of a gasoline operated blower at the collar of the shaft, connected to 12-inch diameter ventube which appears satisfactory. The general average size

of the drifts is 5 feet in width by 6 to 7 feet in height. Short sections measured 4-1/2 feet wide by 6 feet high.

Considerable water is dripping from the back and sides of the North drift, however, the South drift is almost dry. The total volume of water entering the sump is estimated at from 15 to 20 g.p.m.

The operator has confined his efforts to the exploration work, and no ore shipments have been made.

CONCLUSIONS AND RECOMMENDATIONS

Mr. Sweet reports the following muck pile samples taken by Mr. McConley during the drifting advance:

	Radiometric analysis by Charles O. Parker, 214 Curtis St., Denver, Colo.
	%, U_3O_8
North drift:	
Shaft plus 10 feet	0.007
" " 20 "	0.038
" " 30 "	0.06
" " 40 "	0.03
" " 50 "	0.02
" " 60 "	0.05
" " 70 "	0.025
South drift:	
" " 10 "	0.017
" " 20 "	0.035
" " 30 "	0.045
" " 40 "	0.055
" " 50 "	0.040
" " 60 "	0.050
" " 70 "	0.040

Due to the above negative results in the drifts, Mr. Sweet was considering the advisability of requesting termination of the drifting and

returning to active mining at a location approximately 180 feet below the collar of the shaft where he considered some shipping grade ore could be mined. However, during the evening conference on Jan. 26 with Mr. Sweet, he decided that he would complete the present exploration contract in order to explore all geological objectives, and then perhaps submit another application for sinking the shaft an additional 150 feet.

The narrative submitted by Mr. Sweet, dated Feb. 4, 1955 and attached to the January 1955 MF-104 report of expenditures, states in part:

"It may be necessary for us to start mining some ore for shipment out of some of the hotter material disclosed above the 190-foot level, but if the results of the samples taken by Messrs. Gentry and Smith warrant it, we shall proceed with the completion of the work on the bottom level. This is being held in abeyance until we receive the returns and their report."

It, therefore, appears that Mr. Sweet has recessed the exploration operations in an effort to mine some ore and assist in strengthening his financial position. This recess may require an amendment to the contract, and a definite date for the resumption of the exploration work. The channel cut samples taken by the examining engineer indicate a higher uranium content than the muckpile samples taken by the

operator's representative. The examining engineers, therefore, conclude that the North and South drifts should be completed in order that full and complete information may be secured as to the geology and value of the distribution of the uranium minerals.

STATEMENT OF WORK

To be performed:

Sink sump - 10 feet 1/	$ 1,000.00
Cut shaft station 1/	500.00
500 feet of drifting @ $34.00/ft. 2/	17,000.00
500 feet of drift timbering @ $4.00/ft.	2,000.00
50 chemical analyses @ $5.00/ea.	250.00
Estimated total cost of the project	$20,750.00

Government participation @ 75% = $15,562.50

1/ The finished work constitutes a unit.
2/ This agreed cost includes all costs of drifting except timbering and chemical analyses.

Completed on date of inspection:

		Feet		
		Approved	Completed	Uncompleted
Sump		10	10	None
Shaft station			11 ft. by 6 ft.	None
Drifting:	North drift	250	147	103
	South drift	250	165.9	84.1
Analyses:	50 samples - no reimbursement claimed by operator as of the date of this report.			
Timbering		500	13.8	
			3 sets stulls - west side North drift - lagged and backfilled.	

Expenditures and Progress (reported by the operator)

Month	Expended	Cumulative	Unexpended
November 1954	$4,628.00	$4,628.00	$16,122.00
December "	3,672.00	8,300.00	12,450.00
January 1955	4,760.00	13,060.00	7,690.00

Progress:

Month	Shaft station	Sump	Drifting
November 1954	Completed	Completed	92.0 feet
December "			102.0 "
January 1955			140.0 "
			334.0 "

Contract period: Nov. 1, 1954 to April 30, 1955
Remaining time: 3 months

The recess reported by the operator may make it necessary for him to request an extension of time for completion of the contract.

GEOLOGY

The operator has been drifting northerly and southerly from the shaft at the 252-foot level. The North drift has fairly well followed the hanging wall of the Moonlight fissure and the footwall is exposed at approximately Station 308.

In the South drift, shortly after leaving the shaft, the operator apparently has been driving in the hanging wall formation, and the footwall was not observed. This matter was called to the attention of the operator, and the necessary correction is to be made for driving along the footwall for the remainder of the drift.

In general, both drifts are filled with oxidized material, and examination by mineralight indicated "erratic and very spotty" distribution of autinite. However, the walls and back of the drifts are covered with a layer of mud of varying thickness, therefore, a complete and detailed examination will be made after the operator has washed the walls. Mr. R. M. Smith, geologist, USGS, has prepared a geological map of the North and South drifts, and this map, together with his geological report, will no doubt be submitted in the near future.

SAMPLING

During the inspection, the following samples were taken by the examining engineer:

Sample No.	Width, Feet	Radiometric determinations %, U_3O_8 Equiv.	Location
1469	0.7	0.071	North drift, east wall at station 308 - few crystals of autinite.
1470	1.7	0.11	Do, west wall, station 308 plus 5 feet. Brown oxidized gouge shows some autunite.
1471	2.1	0.081	Do, west wall, 8 feet north of sample 1470. Brown, soft leached material shows light, scattered crystals of autunite.
1472	2.4	0.018	Face of North drift; oxidized and crushed material - no autunite.
1473	2.4	0.067	North side of sump, 7 feet below level; few crystals of autunite.
1474	1.8	0.15	East wall of sump at center; 8 feet below level.
1475	2.0	0.071	Hard, blue material on hanging wall and oxidized to footwall. South side of sump; 3 feet below level.
1476	3.0	0.027	North side of sump at bottom; 10 feet below level on hanging wall of Moonlight fissure.
1477	0.5	0.84	Center of sump on hanging wall side of fissure 7 feet below level. Shows small concentration of autunite.

Sample No.	Width, Feet	Radiometric determinations %, U_3O_8 Equiv.	Location
1478	1.5	0.142	East wall of South drift, 31 feet south of shaft. Brown oxidized material with streaks of black; indicates sulphides; no autunite.
1479	2.3	0.075	Do; 12 feet south of sample 1478. Brown oxidized material; a few small crystals of autunite.
1480	1.5	0.063	West wall of South drift; just under back of drift; 7 feet south of sample 1478. Brown and black oxidized material - no autunite observed.
1481	2.2	0.10	East wall of South drift, 19 feet south of sample 1478. Brown oxidized material with streaks of black; some blue brecciated material - no autunite observed.
1482	1.2	0.11	Across back of South drift, opposite sample 1481. Brown oxidized material with black streaks - no autunite observed.
1483	1.2	0.12	West wall of South drift, 53 feet south of sample 1481. All sulphide material - no autunite observed.
1484	2.4	0.13	West wall of South drift, at toe of drift, 9 feet south of sample 1483. Hard, blue sulphide rock? - no autunite observed.

Samples were taken in areas where indications of radioactivity were noted on the Geiger counter. The presence of autunite does not appear to be the sole determining factor as samples Nos. 1481-1484 inclusive averaged 0.115% U_3O_8 in locations which showed no crystals of autunite under the mineralight.

Examination of the muckpiles in the face of both drifts showed no radioactivity on the Geiger counter and no autunite was observed under the mineralight. This same condition was noted in the South drift from sample BM-1484 to the face, a distance of 54 feet.

During this inspection, the operator expected to complete the exploration contract on or about March 1, 1955 and would advise this office prior to completion in order that a final examination could be made before the pumps were removed to a higher level. However, in view of Mr. Sweet's narrative attached to his January report, it may be advisable for the Executive Officer to write to Mr. Sweet and request further information as to the present status of the project.

Glenn G. Gentry
Mining Engineer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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DEC 17 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

420 Custom House
555 Battery Street
San Francisco 11, California

Date: December 13, 1954

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -
Docket DMEA -3305

Contract Idm-E 697

Commodity Uranium

Operator - Platora Uranium Corporation

Property - Moonlight Mine
Humboldt County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated December 9, 1954

Executive Officer,
DMEA Field Team, Region III

Attachments

Copy to: R. M. Smith--USGS (with copy of report)
Finance Officer, Region III (with copy of report)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 17 1954

INTERIM REPORT

Docket No.: DMEA-3305

December 9, 1954

Name and address of operator: Platora Uranium Corp.
405 University Bldg.,
Denver, Colo.

Arthur N. Sweet, President

Name and location of property: Moonlight Mine
Humboldt County, Nevada

Contract No.: Idm-E697

SUMMARY

The Moonlight Mine was visited on Nov. 9, 1954 for the purpose of inspecting the work performed under the exploration contract. During the inspection, the examining engineer was accompanied by Mr. L. A. McConley, the resident contractor in charge of operations for the applicant. A conference was also held with Mr. Arthur Sweet, President of the Platora Mines Co., in his room at the Sonoma Inn, Winnemucca, Nev.

The exploration contract was dated October 28, 1954, and the applicant started work on Nov. 6, 1954.

The work consisted of deepening the present shaft an additional 5 feet to allow for a sump, cutting a station at the 252-foot level of the shaft, and drifting both north and south on this level. The drifting has followed the hanging wall of the Moonlight fissure.

Considerable water has been encountered in the shaft, beginning at approximately 180 feet below the collar and extending to the present bottom. Two shifts of miners are working in the mine and the time required to unwater, when the day shift begins work, amounts to 1-1/2 hours. The mining crew consists of 1 contractor, superintendent; 4 miners; and 2 hoistmen.

CONCLUSIONS AND RECOMMENDATIONS

Due to the distance from sources of supply and repair, it would appear advisable that particular operating care be given the machinery on hand in order to avoid delays which would be caused by breakdowns. As the project is just getting started, no especial recommendations can be made. However, the usual suggestions have been discussed with the operators superintendent, namely: To provide adequate ventilation in the shaft and drifts and to install necessary timber sets at the 252-foot station in the shaft and in the drifts as advanced from the shaft.

STATEMENT OF WORK TO BE PERFORMED

Exhibit "A" describes the following work and costs:

Sink sump - 10 feet 1/	$ 1,000.00
Cut shaft station 1/	500.00
500 feet of drifting @ $34.00/ft. 2/	17,000.00
500 feet of drift timbering @ $4.00/ft.	2,000.00
50 chemical analyses @ $5.00/ea.	250.00
Estimated total cost of the project	$20,750.00

Government participation @ 75% = $15,562.50

1/ The finished work constitutes a unit.
2/ This agreed unit cost includes all costs of drifting except timbering and chemical analyses.

STATEMENT OF WORK COMPLETED

On date of inspection:

		Approved	Completed	Uncompleted
Sump		10 feet	5 feet	5 feet
Shaft station			11' x 6'	None
Drifting	(North drift)	250 feet	7.5 feet	242.5 feet
	(South drift)	250 feet	11.4 feet	238.6 feet

Expenditures and progress reported by the operator:

Month	Expended	Cumulative	Unexpended
November, 1954	$4,628.00	$4,628.00	$16,122.00

Progress
Operators report

Station:	$500.00
Sump:	1,000.00
Drifts - 92 feet:	3,128.00

Contract period: Nov. 1, 1954 to April 30, 1955
Remaining time: 5 months

Resume:

The work is being conducted by L. A. McConley on a contract basis. The operator is to pay McConley the following prices:

Sump:	$800.00
Shaft station	500.00
Drifting:	25.00 per foot

The contractor furnishes all labor and insurance and the company provides all equipment and supplies at no cost to the contractor.

In extending the drift north and south of the shaft, the contractor expects to alternate drilling and mucking in the headings in order to expedite progress. Mucking and tramming will be done by hand.

The narrative submitted by the applicant states that 8 samples have been taken during the month. However, the locations of the samples are not indicated on the drawing attached to the narrative.

GEOLOGY

The operators are drifting northerly and southerly from the shaft at the 252-foot level, and following the Moonlight fissure which has a north-south strike and dips 57° east at the drift level. The fissure in general is filled with oxidized material and examination by mineralight indicated "erratic" and "spotty" distribution of autinite mineralization. A small amount of iron pyrite was noted on the footwall of the fissure and also a blue material which has been classified as "copper silicate, containing a little zinc". A sample of this rock, BM-1464, showed the following results: Radiometric, U_3O_8 = 0.077%. Two additional samples were taken by the examining engineer:

BM-1419 - width 3.0 feet - oxidized material in face of North drift on 252 foot level and 11.5 feet north of center line of shaft ..... %U_3O_8 = 0.025

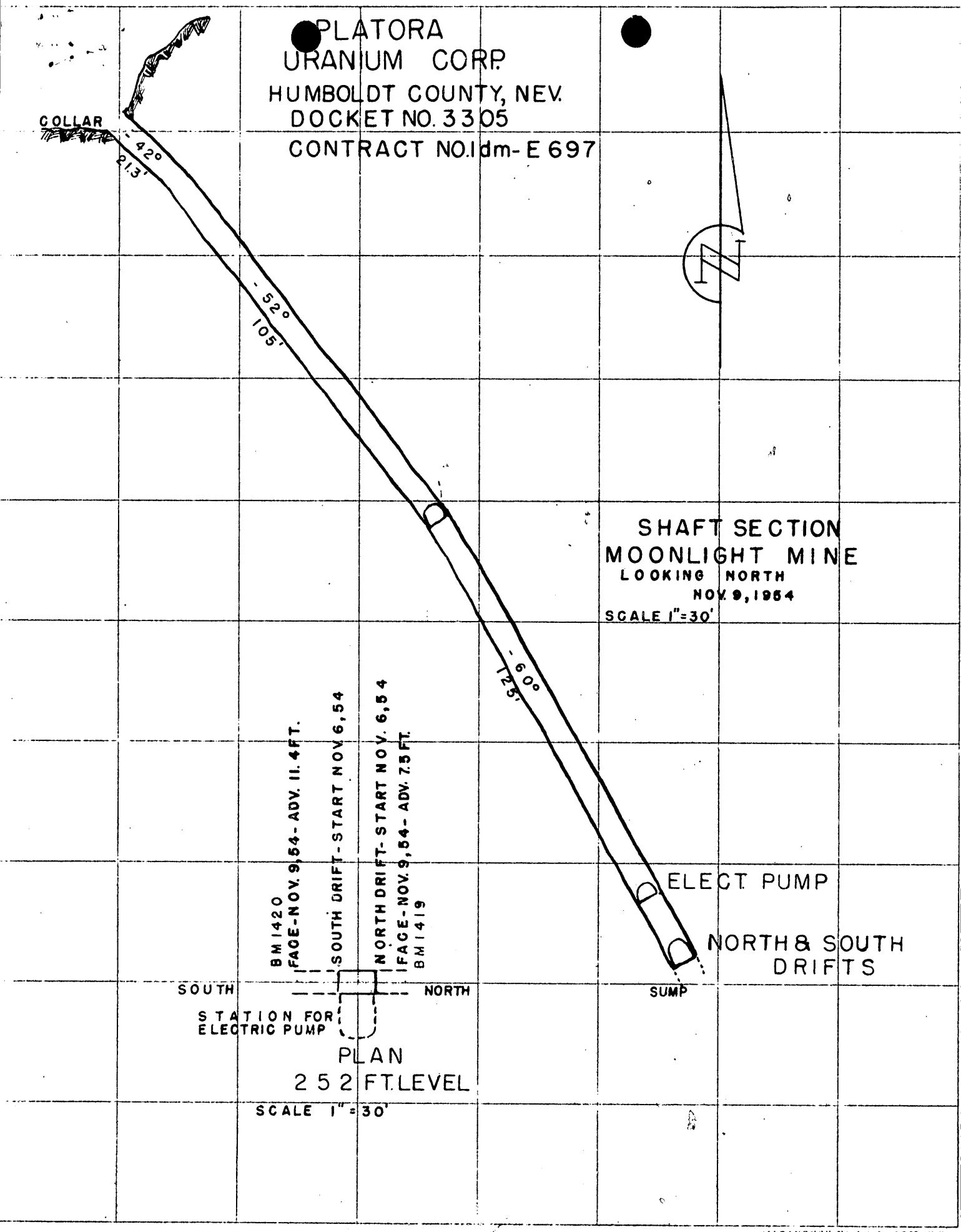
BM-1420 - width 3.3 feet - oxidized material in face of South drift on 252 foot level and 15.4 feet south of center line of shaft ..... %U_3O_8 = 0.069

McConley reports a sample taken by the operator on Sept. 30, 1954, No. 33946 - (No. 636) on the hanging wall of the shaft at 125 feet below the collar, gave the following results: 1.1% eU_3O_8 and 1.24% cU_3O_8. This sample is reported to contain 10% purple fluorite and 5% pyrite.

GENERAL

During the last week of November the contractor reports considerable necessary repairs on the air compressor, generator and electric pump. These breakdowns resulted in delays and loss of progress. However, the contractor now believes that the machinery is again in good operating condition and hopes that steady progress can be maintained.

Glenn G. Gentry
Mining Engineer



"ALDANENE" No. 1 DUAL A&E CO., N.Y.
REG. U.S. PAT. OFF.

December 6, 1954

Memorandum

To: Hasel Berry, Operating Committee

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

Subject: Amendment to contract

Mr. Ching reviewed and approved Amendment No. 1, dated November 15, 1954, to Contract No. Idm-E697, Docket No. DMEA-3305, Platora Uranium Corporation.

/s/ Grace L. Ault

Grace L. Ault

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

DEC - 2 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

November 29, 1954

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3305 - Uranium
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada
Contract No. Idm-E697
Amendment No. 1

Attached are the original and two copies of Amendment No. 1 dated November 15, 1954, made in connection with subject contract.

A justification sheet is attached to each copy of the amendment.

Proper distribution has been made of the remaining copies.

S. Ricker
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: A. C. Johnson, Reno (With copy of amendment)
Finance Officer, Region III (With copy of amendment)
Roscoe Smith, USGS
George Mavor

RECEIVED
DEC 27 1954
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

Surname 700

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

Ching
Ellis
Newcomb
Hedges
Selfridge
Whitenday

NOV 1 8 1954

T E L E T Y P E

MChing

[redacted]

DMEA-Department of the Interior

14X1401(01)Revolving Fund,
Defense Production Act (Interior)
(Allocated Working Fund to the
Office of the Secretary)

SPANGLER RICKER, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION III
420 CUSTOM HOUSE
555 BATTERY STREET
SAN FRANCISCO 11, CALIFORNIA

REURMEM NOVEMBER 5 PLATORA URANIUM CORPORATION DOCKET 3305 PLEASE AMEND CONTRACT AS SUGGESTED BUT NOTE THAT SWEET'S LETTER PROPOSES CUTTING STATION AND DRIFTING ON 252-FOOT LEVEL INSTEAD OF 270-FOOT LEVEL. BOTTOM OF SUMP SHOULD BE 10 FEET BELOW STATION AND DRIFT LEVEL.

George C. Selfridge

George C. Selfridge, Chairman
Operating Committee

MChing:am
11-12-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3041
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Mr. Ching
Code 700
Confirmation to Region III

R.C.G.

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

Department of the Interior
Defense Minerals Administration
RECEIVED
NOV 8 = 1954

420 Custom House
555 Battery Street
San Francisco 11, California

November 5, 1954

Air Mail

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada
Contract No. Idm-E697

Under separate cover three signed copies of the contract, dated October 28, 1954, with Platora Uranium Corporation are being sent to you.

On November 3 I had a phone call from Mr. A. N. Sweet, President, Platora Uranium Corporation, advising me that, due to troubles which he could not overcome, he was starting to cut the shaft station at the 252-foot level which would mean that drifting would be done on about the 260-foot level in place of the 270-foot level.

No promises were made over the phone, but I did ask Mr. Sweet to write me a letter stating what he was intending to do and why. I told him that, as there was a change in the program, the matter of amending the contract would have to be taken up with your office. A copy of Mr. Sweet's November 3, 1954 letter is attached.

I see no reason why the request to drift at approximately the 260-foot level should not be granted. The objective would be no different nor would the method of accomplishing the objective.

All that would be needed would be an amendment by means of which the phrase "270-foot level" in two places in Exhibit "A", "Description of Work" would be deleted and the phrase "260-foot level" substituted therefor.

I approve of that being done and if you agree and give us permission, we will draw up an amendment out here, otherwise we request that you prepare the amendment and send us the six copies for execution.

H. C. Miller for
S. Ricker
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: A. C. Johnson, Reno
R. M. Smith, USGS

c a

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
NOV 9 1954

420 Custom House
555 Battery Street
San Francisco 11, California

November 5, 1954

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada
Contract No. Idm-E697

Reference is made to Mr. George C. Selfridge's letter of October 21, 1954, transmitting to this office the original and five copies of the subject contract.

The contract has been executed on the part of the Operator, one copy being retained by him for his files. Distribution has been made of the Field Team and Finance Officer's copies and the original and two remaining copies are returned herewith.

H. C. Miller for
S. Ricker
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: Finance Officer, Region III (with copy of contract attached)
A. C. Johnson, Reno, Nevada (" " " " ")
R. M. Smith--USGS
George Mavor

DMEA-3305

PLATORA URANIUM CORPORATION

405 UNIVERSITY BUILDING • DENVER 2, COLORADO • ACOMA 2-9575

DEPARTMENT OF THE INTERIOR
Defense Mineral
REC'D
NOV 8 - 1954

Nov 3, 1954

Refer to	Noted	Date
H.C. Miller	HCM	11/4
Answered		

Mr H.C. Miller, U.S. Bureau of Mines
Duncanslaff
555 Battery St. Room 422
San Francisco, Calif

Dear Mr Miller

Re our phone conversation of this morning owing to fact I cannot efficiently sink any further with my equipment. It has taken 21 man shifts to sink 4 feet due to delay pumping water to electric pump etc. Therefore I am cutting station at 252 foot level, will move electric pump to station as soon as I get the ten foot sump in and then I think my troubles will be minimized.

I think the contract figures we will drive the level at 260 but as I know the 250 offers the same prospecting picture I took the initiative to do the sensible thing, namely cut station and get to drifting as soon as possible.

We have had a very bad month due to sump and compressor failure all of which meant water rising & then pumping out and you know what that is all about.

If I have in any way taken too much authority to start the 6 feet or so shy of my designated place, kindly let me straightened out.

Very truly yours
Platora Uranium Corp
Per [illegible]

11/15-4 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 - 1954

420 Custom House
555 Battery Street
San Francisco 11, California

October 28, 1954

Mr. Arthur N. Sweet
c/o Sonoma Inn
Winnemucca, Nevada

Re: Docket No. A-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada
Contract No. Idm-2697

Dear Mr. Sweet:

In accordance with our telephone conversation earlier today, the six copies of a proposed contract between the Government and Platora Uranium Corporation, executed by the Administrator, are sent you herewith.

As you have not reached the 270 foot level, but expect to in a few days, the contract has been dated October 28, 1954. Note that the starting date for that work is "on or before November 1, 1954" so that your operations can continue uninterruptedly after company account work is completed.

As agreed over the phone, you will have Mrs. John A. Del Curto sign the Owner's Consent to Lien which is attached to the proposed contract.

If the contract meets with your approval, kindly sign all six copies, retain the copy marked "Operator's Copy" for your files and return the original and other four copies to this office.

Sincerely yours,

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Enclosure

Copy to: DMEA-Washington, D.C.
R. M. Smith--USGS
A. C. Johnson-Reno

DMEA--Washington

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

420 Custom House
555 Battery Street
San Francisco 11, California

October 25, 1954

Air Mail

Mr. Irving Lindner
Secretary and Treasurer
Platora Uranium Corporation
405 University Building
Denver 2, Colorado

RE: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada
Contract No. Idm-3697

Dear Mr. Lindner:

I have today received the proposed contract between the Government and Platora Uranium Corporation, executed by the Administrator of DMEA.

The contract allows for sinking a sump 10 feet, cutting a shaft station, 500 feet of drifting, 500 feet of timbering, and 50 chemical analyses. The estimated cost of the project is $20,750.00, of which the Government's participation is 75%, or $15,562.50.

Before I can send you the copies of the contract for signature, I will have to fill in the date when the work of sinking the sump and cutting the shaft station started. Kindly let me have the date promptly.

The contract is approved for execution by you subject to obtaining the signature of "Mrs. John M. Del Curto" either on the Owner's Consent to Lien, on a new and separate one, or on a Subordination Agreement form. The necessity for this further signature arises from the fact that the existing Owner's Consent to Lien is signed by "John M. (?) Del Curto" but the interest to be subordinated appears to be in "Mrs. John M. Del Curto."

When you write informing me about the date work was started, kindly let me know whether it will be possible for Mrs. Del Curto to sign the Owner's Consent to Lien which is a part of the contract, whether an entire set of new Owner's Consent to Lien forms are desired, or whether we should send you copies for her to sign of a Subordination Agreement form.

Sincerely yours,

H. C. MILLER
H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: DMEA-Washington, D.C.
A. C. Johnson--Reno
R. M. Smith--USGS

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

Ching
Ellis

MChing/gla

DMEA - Dept. of the Interior

OCT 26 1954

COLLECT TELEGRAM

A. N. SWEET
PLATORA URANIUM CORPORATION
405 UNIVERSITY BUILDING
DENVER, COLORADO

REURTEL OCTOBER 22 PLATORA URANIUM CORPORATION DOCKET 3305 REVISED

CONTRACT MAILED EXECUTIVE OFFICER, REGION III, OCTOBER 21.

C. O. Mittendorf

C. O. MITTENDORF, ADMINISTRATOR

MChing/gla
10-25-54
cc to: Admr. Reading File
Docket
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III (2)

R.C.G.

10/22/54 gla

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

W. P. MARSHALL, PRESIDENT

1954 OCT 22 AM 11 58

(40)

FX-1201

SYMBOLS

DL = Day Letter

NL = Night Letter

LT = Int'l Letter Telegram

VLT = Int'l Victory Ltr

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

WP014 PD=DENVER COLO 22 902AMM=

C O MITTENDORF, ADMINISTRATOR DMEA=

INTERIOR BLDG=

PLEASE WIRE COLLECT RE STATUS PLATORA URANIUM CORPN LOAN REGARDS=

PLATORA URANIUM CORPN A N SWEET=

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 22 1954

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

Surname 700

Ching
Ellis
Chandler
Selfridge
Johnson

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

Mr. H. C. Miller
Executive Officer
DMEA Field Team, Region III
420 Custom House
555 Battery Street
San Francisco 11, California

OCT 21 1954

Re: Docket No. DMEA-3305 (Uranium)
Contract No. Idm-1697
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Miller:

Attached are the original and five copies of a proposed short-form contract between the Government and Platora Uranium Corporation, executed by the Administrator.

Please note that the date of the contract has been left blank. You should write in a date not later than that when the work started and not further back than necessary to cover the work described.

The contract is approved for execution by the Operator subject to obtaining the signature of "Mrs. John M. Del Curto" either on the existing Owner's Consent to Lien, on a new and separate one, or on a Subordination Agreement form. The necessity for this further signature arises from the fact that the existing Owner's Consent to Lien is signed by "John M. (?) Del Curto," but the interest to be subordinated appears to be in "Mrs. John M. Del Curto."

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Enclosures 6

APPROVED:

J. H. Hedges

Member, Bureau of Mines (JHB)

Thor H. Kiilsgaard

Member, Geological Survey (JHB)

MChing:am
10-15-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J. E. Crawford, Rm. 3641
A. P. Butler, Jr. Rm. ~~5227~~ 5222
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching

R.C.S.

10/14/54 gla

TELETYPE
COPY

DN 235 BUREAU MINES 10-14-54 10-04 AM

CHAIRMAN, OPERATING COMMITTEE
DMEA

REURLETTER OCTOBER 7,1954, DOCKET DMEA 3360, PROPOSED CONTRACT IDM-E723 MID CONTINENT URANIUM CORPORATION. THE GEOLOGIST CONCURS IN THE PROVISION TO ESTABLISH THAT EAST LINE OF HOLES BE DRILLED FIRST AND THAT LOCATION OF WEST LINE OF HOLES AS SHOWN ON FIGURE 3 BE MADE TENTATIVE AND EXACT LOCATION SUBJECT TO RESULTS OBTAINED FROM DRILLING EAST LINE OF HOLES. IT APPEARS THAT THE CONTRACT SHOULD BE AMENDED TO THAT EFFECT OR PAGE 2 OF EXHIBIT "A" BE RETYPED TO INCLUDE THE QUALIFICATIONS, PRIOR TO SIGNATURE OF OPERATOR. PLEASE TELETYPE INSTRUCTIONS AS TO WHICH MANNER OF EFFECTING THE CHANGE YOU PREFER.

W H KING

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

October 13, 1954

Memorandum

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

From: Acting Assistant Solicitor, Defense Minerals

Subject: Docket No. DMEA 3305, Contract No. Idm-E 697, Platora Uranium Corporation, Uranium

The subject contract has been drafted for your signature pursuant to a memorandum of Mr. Ching to the Acting Assistant Solicitor dated October 8. It is approved subject to obtaining the signature of "Mrs. John M. Del Curto" either on the existing Owner's Consent to Lien, on a new and separate one, or on a Subordination Agreement form.

The necessity for this further signature arises from the fact that the existing Owner's Consent to Lien is signed by "John (?) Del Curto", but the interest to be subordinated appears to be in "Mrs. John M. Del Curto."

I understand from Mr. Ching that it is expected that the work here provided is a continuation of work now in progress, and may be started before the contract is signed. The date of the contract therefore should be left blank, with instructions to the field to write in a date not later than that when the work started and not further back than necessary to cover the work described.

J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

Attachments 8

P.S. The maps referred to in the contract remain to be attached.

10/12/54 gla

AXXXXXXX-129K

AXXXXXXX-130K

AXXXXXXX-131K

Defense Minerals Administration
RECEIVED
OCT 12 1954

AXXXXXXX-132K

XDXXXXXX-133K SW101-WAB SFF 36 I-BOM

SAN FRANCISCO CALIFN10-11-54 339P

GEORGE V. SELFRIDGE, CHAIRMAN, OPERATING COMMITTEE

DMEA INTERIOR BLDG WA

BOCKET DMEA-3305, URANIUM PLATORA, URANIUM CORPORATION MOONLIGHT MINE, HUMBOLBT COUNTY, NEVADA. REGARDING REVISED CONTRACT MR. A. N. SWEET PHONED TODAY THAT BUE TO DELAYS THE CORPORATION WILL NOT REACH THE 270 FOOT CUT-OFF POINT UNTIL LATE THIS WEEK. THIS INFORMATION MAY HELP YOUR MR. CHING IN BRAWING UP THE NEW CONTRACT.

H C MILLER EXECUTIVE OFFICER DMEA FIELD TEAM,NREGION III

DMEA-3305 270

CT 343P

Hoffland plans to let field Team insert the date.

MC.

OCT 12 9 51 AM '54

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

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

Ching
Ellis

October 8, 1954

Memorandum

To: Acting Assistant Solicitor, DMEA

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

Subject: Preparation of Contract
Docket No. DMEA-3305 (Uranium)
Contract No. Idm-E697
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

A contract related to the subject docket was executed by the Administrator under date of August 9, 1954, and sent to the Field for the Operator's signature. The Operator objected to the program of work and the unit costs proposed, and returned the contract without signing.

The attached draft represents a completely revised contract and it is requested that you draw up a formal contract in accordance with it. The requested consents to lien are attached, but the maps referred to are being photostated.

Pursuant to the conversation of even date between you, Mr. H. C. Miller and me regarding the proposed contract, your attention is called to the following points:

The Operator has been doing work on hispwn account and, because of the isolated location of the operation, wishes to continue the work without interruption under the proposed DMEA contract when the shaft has reached the 270-foot level. Beginning with the sinking of a 10-foot sump and the cutting of a shaft station on the 270-foot level, it has been informally agreed between Mr. Miller and the Operator that the proposed contract should take effect. Our teletype to Mr. Miller, dated September 16, 1954, asked that he determine such a cut-off and starting point, and his memorandum of September 23, in reply, recommended the same cut-off and starting point.

It is believed that the Operator began the proposed contract work shortly after October 1. The proposed contract, if approved, will be executed sometime after that date. We agreed that the contract could be drawn in such a manner as to make it effective as of October 1, 1954.

/s/ Michael Ching
Michael Ching

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

October 8, 1954

Memorandum

To: The Files

From: Michael Ching

Subject: Revision of Proposed Contract
Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

A contract related to the subject docket was executed by the Administrator under date of August 9, 1954, and sent to the field for the Operator's signature. The Operator objected to the program of work, as well as the unit costs proposed, and returned the contract without signing.

The unit costs proposed were based on details shown in a memorandum to the files from the writer, dated July 29, 1954, which, in turn, was based on the Field Team report of July 19.

The Field Team was requested to recommend a revised program with modified costs which would be acceptable to the Operator. As a result a revised program of work has been submitted which appears to be satisfactory to all parties concerned. However, the costs submitted by the Field Team do not seem reasonable, amounting to $48.06 per foot of drifting, inclusive of pumping and timbering costs. These costs have been modified for the purpose of drawing up a revision of the proposed contract, as follows:

Revised Costs for Drifting

	Per ft.
Labor and Supervision (Incl. overtime pay)	$18.30
Bookkeeping	0.60
Payroll taxes and Comp. Insurance @ 16%	2.93
Equipment depreciation	0.58
Powder, caps, fuse	2.20
Fuel	1.50
Repair parts	0.50
Trucking	0.50
Rail	0.50
Vent pipe	1.00
Water and air lines	0.40
Steel and bits	1.00

Carbide, oil, grease		$0.35
Pumping costs		2.00
		$32.36
Contingencies @ 5%		1.62
	Total	$33.98

Timbering would be a separate unit cost of $4.00 per foot.

Details of Labor and Supervision

Basis: 8-ft. advance in two shifts, or 48 ft. for a 6-day work week.

2 hoistmen - 80 hrs. @ $2.00		$160.00
" " - 16 hrs. @ $3.00		48.00
4 miners -160 hrs. @ $2.50		400.00
" " - 32 hrs. @ $3.75		120.00
1 Supervisor - 6 days @ $25.00		150.00
	Total per week	$878.00

Cost per ft.drift $\frac{\$878.00}{48}$ = $ 18.30

Michael Ching

Michael Ching

Copies to:
Docket (original)
Code 700 contract file
Mr. Ching

10/5/54 gla

xxxxxxxxxxxxxxxx
Mining Division

1605 Evans Avenue

September 30, 1954

Memorandum

To: Mr. H. C. Miller, Executive Officer, DMEA Field Team Region III

From: Chief, Mining Division, Region III

Subject: Docket DMEA-3305 - Uranium
Platora Uranium Corporation, Moonlight Mine
Humboldt County, Nevada

In reference to your memorandum of September 29, relative to exploration work and costs on the Moonlight Mine in Humboldt County, Nevada:

Based on a recent examination of the Moonlight property by Mr. Gentry, it is recommended that the applicant be allowed to do 500 feet of drifting on the 270 foot level. The examining engineer is also of the opinion that 200 feet of drifting should be considered from the 100 foot level - 100 feet south of the shaft and 100 feet north of the shaft.

The costs of $38.21 a foot, as submitted by Mr. Sweet, for the drifting is reasonable.

Mr. Gentry and myself have worked out a cost estimate based on information that was supplied Mr. Gentry by Mr. L. A. McConley, Contractor and Superintendent for the applicant. Mr. Sweet's costs were based on working on a two shift basis, using 6 men at a rate of $20. a day for an 8 hour shift and also one man, who would more or less be a general foreman, and his rate of pay was $25. a day. They were planning on driving the drift 8 feet per day or 16 feet on a two shift basis.

Mr. Gentry and myself are of the opinion that they will not be able to maintain this progress. A more equitable footage per day would be in the neighborhood of 6 feet per shift or 12 feet per day. Based on a progress estimate of 12 feet per day a break down of costs

would be as follows:

Supervision and Labor	$25.92	13.51
Bookkeeping	0.45	.60
Rental	0.58	
Powder, Caps, Fuse	2.00	2.00
Fuel	1.50	1.50
Repair parts	0.50	.50
Trucking	0.50	.50
Rail	0.50	
Ventilation	1.00	1.00
Water and Air lines	0.38	
Steel and Bits	1.00	1.00
Oils, Grease, Misc. Tools	0.75	.33
Insurance - Taxes	4.98	2.13
Total:	$40.06	+ 2.38
Timbering	4.00	
Pumping	4.00	26.43

As you can note from this break down costs for drifting would be in the neighborhood of $40. per foot and I do not believe that Mr. Sweet would be willing to accept a unit cost of $30. a foot, excluding timbering and analyses.

The cost for sinking a 10 foot sump below the 270 foot level for $1,000. is reasonable. The $500. that he is asking for cutting a shaft station is also reasonable. I recommend that they be allowed.

A. C. Johnson

CC: Roscoe M. Smith, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 4 1954
REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Mineral Deposits Branch
4 Homewood Place
Menlo Park, California

September 30, 1954

Memorandum

To: H. C. Miller

From: R. M. Smith

Subject: IMEA -3305 (Uranium) Platora Uranium Corporation
Moonlight Mine, Humboldt County, Nevada
Contract No. Idm-E697

In accordance with your request of September 29, 1954 the applicant's revised proposal to drift 500 feet on the 270-foot level of the Moonlight inclined shaft has been reviewed and also has been discussed with Mr. Lloyd Conklin, U. S. Atomic Energy Commission, Salt Lake City, Utah.

Mr. Conklin reported that the Moonlight fault is persistent to the present depth of the shaft (250 feet) and that about 3 feet of uraniferous material is revealed at a depth of 125 feet in a pump station cut into the hanging wall of the shaft. He considers the applicant's proposal to be sound, and if the fault persists to a depth of 270 feet--as it is inferred to do--he recommends that the work be done.

I concur with his recommendation.

As there is no indication in the preliminary report that parallel mineralized faults, or even similar host rocks, lie in the hanging wall within 500 feet of the Moonlight fault, the proposed diamond drilling appears to be premature.

Robert M. Smith

cc: A. C. Johnson, USBM
Lloyd J. Conklin, A.E.C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT - 4 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

420 Custom House
555 Battery Street
San Francisco 11, Calif.

Date: September 29, 1954

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA -3305

Contract Idm-E --

Commodity Uranium

Operator - Platora Uranium Corporation

Property - Moonlight Mine, Humboldt County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated September 24, 1954

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

Roscoe Smith, USGS (With one copy of report)

Department of Defense Minerals
RECEIVED
OCT - 4 1954

INTERIM REPORT

Docket No.: DMEA-3305 (Uranium) Sept. 24, 1954

Name and address of operator: Platora Uranium Corp.,
405 University Bldg.
Denver 2, Colo.

Name and location of property: Moonlight Mine
Humboldt County, Nevada

SUMMARY

The Moonlight uranium mine was visited on Sept. 19, 1954 for the purpose of additional examination and sampling, to observe rock formations and to secure further information from the applicant or his representative relative to the exploration contract which had been under consideration. During the inspection, the examining engineer was accompanied by Mr. L. A. McConley, superintendent and contractor for the operator. Mr. A. N. Sweet, president of the Platora Uranium Corp., was not at the mine and was not available for consultation.

Mr. McConley has contracted the sinking of the shaft and is employing six men on two shifts. Each shift consists of one hoistman and two miners. The shaft had reached a depth of 86 feet on June 4, 1954, and since that date it has been extended an additional 139 feet. The total depth of the shaft was reported by Mr. McConley as 225 feet on Sept. 19, 1954. Shaft sinking was expected to be continued and completed on or about October 1, 1954.

After completion of the shaft sinking, Mr. McConley reports that the mining company are considering the erection of a new head-frame and the installation of a new skip and rails in the shaft, repairs to the present ore bin and probably other miscellaneous small jobs around the collar of the shaft.

During the sinking of this 139 feet of shaft, the operators have shipped six carloads of uranium ore to the Vitro Chemical company in Salt Lake City, Utah. The uranium content of these shipments are reported to average from 0.14% to 0.16% U_3O_8. No settlement sheets or detailed assay data was available at the mine.

GEOLOGY

The operators have continued to follow the vein in the Moonlight fissure, and the oxidized vein material appears to be similar from the 86-foot level to the present depth of 225 feet. The widths of the vein will probably vary from 30 inches to a maximum of 5 feet. The distribution of autinite is erratic and was continuing to be "spotty" at the bottom of the shaft. Four samples were secured by the examining engineer, as follows:

Sample No.	Width	%, U_3O_8	Location
BM-1368	32 inches	0.18	South side of shaft at bottom.
BM-1369	4 feet	0.12	North side of shaft at bottom.
BM-1370	-	0.059	Footwall material at bottom of shaft.
BM-1371	-	0.14	Hanging wall material at bottom of shaft.

GENERAL

The future plans of the mining company, according to Mr. McConley's report, are to continue mining operations after the rehabilitation work in the shaft is completed.

It was also Mr. McConley's understanding that the mining company was not interested in the exploration contract, as submitted for the consideration of Mr. A. N. Sweet. Apparently, Mr. McConley was at least partially mistaken, as Mr. Sweet evidently desires a revision of the contract in order to allow drifting North and South on the 270-foot level, in addition to a sump and diamond drilling.[1/]

Glenn G. Gentry
Mining Engineer

1/ Letter dated 9/23/54 from H. C. Miller, Executive Officer, DMEA Field Team, Region III to George C. Selfridge.

Surname

Ching
Ellis
Kulsgaard
Hedges
Selfridge
[illegible]

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

TELETYPE SEP 29 1954

MChing

[redacted]

DMEA-Department of the Interior

14X1101(01)Revolving Fund,
Defense Production Act (Interior)
(Allocated Working Fund to the
Office of the Secretary)

H. C. MILLER
DMEA FIELD TEAM, REGION III
420 CUSTOM HOUSE
555 BATTERY STREET
SAN FRANCISCO 11 CALIFORNIA

REFERRING SEPTEMBER 23 PLATORA URANIUM CORPORATION DOCKET 3305 GIVES APPLICANT'S PROGRAM AND COSTS BUT THESE ARE AT VARIANCE WITH FIELD TEAM REPORT AND LATER MEMORANDA OF JOHNSON AND SMITH. WE WANT FIELD TEAM PROGRAM AND COSTS WHICH ARE ACCEPTABLE TO APPLICANT. DOES FIELD TEAM RECOMMEND 500 FEET DRIFTING ON 270 LEVEL? WILL APPLICANT ACCEPT REASONABLE OVERALL UNIT COST OF $30.00 PER FOOT FOR DRIFTING EXCLUSIVE OF TIMBERING AND ANALYSES?

George C. Selfridge
(By ESF)

George C. Selfridge, Chairman
Operating Committee

cc to: Admr. Reading File
[redacted]
Me[redacted] E. Crawford, [redacted]
[redacted]
Mr. Ching
Code 700
Confirmation to Region III

9/27/54 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 27 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

September 23, 1954

Air Mail

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3305 - Uranium
Platora Uranium Corporation
Moonlight Mine, Humboldt County, Nevada
Contract No. Idm-E697

Upon receipt of your teletype dated September 16, 1954, I wrote Mr. Irving Lindner, Secretary and Treasurer, Platora Uranium Corporation, Denver, Colorado, asking him to return the unsigned contracts and to furnish me with the additional information you requested.

This morning Mr. Arthur N. Sweet who is attending the American Mining Congress came to the office with the unsigned contract. In answer to your request he furnished the following information:

The shaft is now 240 feet deep. Company will sink the shaft to a depth of 270 feet on their own funds. They expect to have the shaft 270 feet deep by not later than October 5. No Government assistance is being requested to sink the shaft to 270 feet.

At the 270 foot depth, the DMEA contract should become effective. From that point, the company wants to sink a 10 foot sump at a cost of $1000.00 and cut a station at a cost of $500.00. On the 270 foot level, the company desires to drift 250 feet north and 250 feet south.

The cost of drifting will be $38.21 a foot as per the following itemization:

Labor	$21.60 per foot
Supervision	3.90
Bookkeeping	.60
Equipment	.87
Powder and Fuse	2.00
Fuel	2.00
Repair Parts	1.00
Compensation and Insurance	3.24
Truckage	1.00
Rail	.50
Ventilating pipe	1.00
Air and Water lines	.50
Total	$38.21 per foot

Company expects to drift 7 feet per day.

In addition to the drifting costs, timbering costs of $4.00 a foot as in the contract should be included. Also 50 chemical analyses at $6.60 each should be allowed ($5.00 for analyses plus $1.60 for express). Extra cost for pumping is estimated at $4.00 per foot, which includes cost of supplies, maintenance of Diesel electric plant to run pump, fuel oil, lubricating oil, etc. Company has the plant. Fuel oil has to be hauled in 70 miles.

Mr. Sweet requests also that 3000 feet of diamond drilling (6 holes each 500 feet long) at $8.00 a foot should be included in the revised contract. This work is to determine if there is parallel mineralization within 500 feet in the hanging wall. The drilling, including the location and inclination of the holes is to be subject to the approval of the Government.

A recapitulation of the costs follows:

Sinking 10 foot sump	$1,000.00
Cutting Shaft station	500.00
Drifting 500 feet at $38.21/foot	19,105.00
Timbering 500 feet at $4.00/foot (as needed)	2,000.00
Extra cost for pumping at $4.00/foot 500 feet	2,000.00
50 analyses at $6.60 each	330.00
3000 feet diamond drill holes * at $8.00/foot	24,000.00
	$48,935.00

* Includes cutting station and all costs.

There is a question in my mind whether the diamond drilling should be allowed. Mr. Sweet states he asked for it originally but it was not allowed in the contract. It probably should not be allowed this time although the A. E. C., he told me, recommended such probing into the hanging wall.

Mr. Sweet asked me to inform you that the job takes 7 and not 4 men on 2 shifts working 6 days a week, 2 Hoistmen at $2.00 per hour, $3.00 per hour on Saturdays, 4 Miners at $2.50 per hour, $3.75 on Saturdays, and the contractor at $25.00 a day. The contractor also does the cooking, servicing of equipment, timber framing, maintaining the pump, etc.

The six unsigned copies of the contract are being returned to you by regular mail.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

9/22/54 gla

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

September 16, 1954

Mr. Irving Lindner
Secretary and Treasurer
Platora Uranium Corporation
405 University Building
Denver 2, Colorado

Re: Docket No. DMEA-3305 - Uranium
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada
Contract No. Iom-2697

Dear Mr. Lindner:

On August 12, 1954, the original and five copies of a proposed exploration contract between the Government and the Platora Uranium Corporation were sent to your office for the signature of Mr. Arthur N. Sweet.

By letter dated August 20, addressed to Mr. C. O. Mittendorf, Washington, D. C., you acknowledged receipt of our August 12 letter and the contract forms. In that letter you indicated that between the time of your application and the receipt of the proposed contract, you had sunk your shaft to a depth of 145 feet and that work was continuing. As the work done included work called for in the proposed contract, you wrote that you were willing to renegotiate the contract and specified the work you would like to have included in the new revised or amended contract.

I now have a wire from our Washington office requesting that I ask you to return the six copies of the unsigned proposed contract to this office. When returning the contract, kindly supply me with the following information which the Washington office will need if a new contract is drawn: (1) Exact cut-off and starting point in the shaft, (2) footage to be sunk, (3) set or flexible elevations of proposed drifts and crosscuts, (4) extra cost of pumping with supporting details, (5) new unit and overall costs.

Kindly let me have this information at an early date.

Sincerely yours,

H. C. Miller

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: DMEA, Washington
A. C. Johnson, Reno
Roscoe Smith, USGS

urname copy

700

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

Ching
Ellis
Selfridge.

Mr. Irving Lindner
Secretary & Treasurer
Platora Uranium Corporation
405 University Building
Denver 2, Colorado

SEP 16 1954

Re: Docket No. DMEA-3305 (Uranium)
Contract No. ~~Ian-3697~~
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Lindner:

We have noted your letter of August 20, 1954, in which you object to the program of work set up by the proposed contract sent to you for execution.

Any changes in the proposed contract will require the concurrence of our Field Team; therefore, we have requested the Executive Officer, Region III, to return all copies of the contract together with definite recommendations and figures necessary for revising the contract.

We suggest that you contact the Field Team and come to a mutual agreement on a program of work.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

MChing/gla
9-15-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. A. P. Butler, Jr., Rm. 5227
J. E. Crawford, Rm. 3641
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
DMEA Field Team, Region III

Surname copy

700

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

Ching
Ellis
Selfridge
Johnson

SEP 16 1954

TELETYPE

MChing

DMEA - Department of the Interior

14X14.01(01) Revolving Fund, Defense Production Act, Interior (Allocated Working Fund to the Office of the Secy.)

H. C. MILLER, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION III
420 Custom House
420 BATTERY STREET
SAN FRANCISCO 11, CALIFORNIA

RE PLATORA URANIUM CORPORATION DOCKET 3305 RETURN PROPOSED CONTRACT WITH DEFINITE RECOMMENDATIONS AND FIGURES INCLUDING AN EXACT CUT-OFF AND STARTING POINT IN SHAFT, FOOTAGE TO BE SUNK, SET OR FLEXIBLE ELEVATIONS OF PROPOSED DRIFTS AND CROSSCUT, EXTRA COST OF PUMPING WITH SUPPORTING DETAILS, AND NEW UNIT AND OVERALL COSTS, ALL WITH APPLICANT'S CONCURRENCE.

George C. Selfridge

GEORGE C. SELFRIDGE, CHAIRMAN
OPERATING COMMITTEE

(216)

MChing/gla
9-15-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. A.P.Butler, Jr., Rm. 5227
J. E. Crawford, Rm. 3641
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Ching
Confirmation to Region III

R.C.H.

SEP 8 1954

BSW057-WAF SFF23 I-BOM

SAN FRANCISCO CALIF 9-7-54 1036A

W S MARTIN ACTING CHAIRMAN

OPERATING COMMITTEE DEFENSE MINERALS EXPLORATION ADMN INTERIOR BLDG WA

RE PLATORA URANIUM CORPORATION DOCKET 3305. RECOMMENDED THAT DEPTH OF SHAFT BE FIXED AROUND 200 FEET. PRIMARY ORE ZONE AT DEPTH OF 86 FEET. INFERRED PRIMARS ORE ESTIMATE BETWEEN 86 FEET AND 180 FEET DOWNDIP. DRIFTING PROGRAM REPORT PAGE 16 STATES 2 AND 3 SHOULD BE RETAINED IN PRINCIPLE. WATER FLOW WIL INCREASE COST OF OPERATION. SENDING FIELD TEAM'S COMMENTS AIR MAIL.

S RICKER FOR H C MILLER EXECUTIVE OFFICER DMEA FIELD TEAM REGION III

3305 200 86 86 180 16 2 3

AC 1045A/CT 637P

SEP 8 2 09 PM '54
BUREAU OF MINES
MAIL ROOM
WASHINGTON D C.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 10 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

Air Mail

September 7, 1954

Memorandum

To: W. S. Martin, Acting Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3305 - Uranium
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada
Contract No. Idm-E697

With further reference to your teletype dated August 26 and our teletype of today, we are sending you two copies of the reports made by the Bureau of Mines Mining Engineers and the U. S. Geological Survey.

S. Ricker for
H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 10 1954

xxxxxxxxxxxxxxxx
Mining Division

1605 Evans Avenue.

August 30, 1954.

Memorandum

To: Mr. H. C. Miller, Executive Officer, DMEA Field Team Region III

From: Chief, Mining Division, Region III

Subject: Docket No. DMEA-3305 - Uranium
Platora Uranium Corporation, Moonlight Mine,
Humboldt County, Nevada.
Contract No. Idm-E697

In reference to your memorandum of August 27 relative to a contract that was prepared in the Washington Office of the DMEA and submitted to the applicant for signature:

This property was examined by Mr. Gentry, Mining Engineer of my office, and A. O. Taylor and J. F. Powers, Geologists of the U. S. Geological Survey on June 4, 1954. At that date the shaft had reached a depth of 86 feet, therefore, further exploration by shaft sinking had to be considered from the depth of the shaft on that date. The engineer and geologists had no way of knowing that the operator would continue sinking the shaft on his own account nor did they have any information that the application would be approved for a loan or when it would be approved.

The shaft could be extended an additional distance of 75 feet from its present level which would make it to the depth that was requested in the application. New information developed to the present depth might possibly shed some light on what further work should be done.

However, as you will note on page 12 of the Report under Geology - it seems clear that the mine workings have already penetrated the unoxidized zone and have entered what is essentially a zone of primary uranium mineralization at a depth of 86 feet in the shaft. Therefore based on the opinions of the geologists and the examining engineer

in consultation with an Atomic Energy Engineer, who had also examined the shaft, the exploration proposed was considered to be justified at that time and also from the results of samples that had been analyzed.

Unless the mineralization has changed in the last 60 feet of shaft, there appears to be no geologic reason to change the location of the proposed drifts and crosscuts, which were recommended in order to explore the Moonlight fissure. These areas were selected as our sample data indicated that they might be the most logical places to find uranium mineralization.

The costs for sinking the shaft and driving the drifts were estimated to the best of our ability on the type of ground that was being explored. In Mr. Gentry's report he has given a complete break down for his estimated costs, which I believe are fair and reasonable. It is true that while Mr. Sweet was in my office we did break down the costs on this project and the figures were close to $100. a foot for sinking and around $40. a foot for drifting and crosscutting. However, Mr. Gentry's figures are more or less the actual figures as observed on the project.

The applicant states that he has encountered water during the last 20 feet of sinking and that he has installed a Diesel electric plant, pumps, pipelines and other pumping equipment to keep the mine unwatered. No statement is made as to the quantity of water that is being pumped. This would increase the costs of exploration to some extent based upon the amount of water that has to be handled.

A. C. Johnson

CC: Mr. R. M. Smith, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Mineral Deposits Branch
4 Homewood Place
Menlo Park, California

Refer to	Noted	Date
J Richers	SR	9/7
Answered		

September 1, 1954

Memorandum

To: H. C. Miller

From: R. M. Smith

Subject: DMEA 3305 (Uranium) Platora Uranium Corporation
Moonlight Mine, Humboldt County, Nevada
Contract No. Idm-E697

In accordance with your memorandum of August 27, the applicant's letter of August 20 was reviewed.

In paragraph one, Mr. Lindner states that on the advice of its consultants the company is reluctant to specify levels for future drifting in advance of shaft completion. This objection to the contract might be removed by allowing drifting on the best showings revealed in the shaft, subject to prior approval of the Government.

Paragraph two requests that the contract provide for a specified amount of shaft sinking below the depth measured on the date the contract is signed. Such a provision may have promotional value, but inasmuch as the location of the inferred ore bodies is not a function of the company's time schedule, I recommend that the depth be fixed at about 200 feet.

In the preliminary report of examination dated July 19, 1954 the authors conclude (page 12) that the shaft is in the primary zone at a depth of 86 feet. They infer (page 12-13) primary ore bodies of unknown size along the strike and down the dip of the Moonlight fault to an arbitrary depth of 180 feet.

Exploration for these ore bodies should be confined to the ore reserve block and guided by the latest information available. The drifting program proposed in the report (p. 16, Stages 2 and 3) appears to be well designed and should be retained in principle although more flexibility in selecting locations for levels may be desirable.

Exploration costs will be increased by the cost of pumping. As the shaft will be lower than the altitude of the valley fill, and is in a relatively permeable rock, a large flow of water is possible but not assured.

R. M. Smith

cc: A. C. Johnson

9/9/54 gfa

BSW057-WAF SFF23 I-BOM

SAN FRANCISCO CALIF 9-7-54 1036A

W S MARTIN ACTING CHAIRMAN

OPERATING COMMITTEE DEFENSE MINERALS EXPLORATION ADMN INTERIOR BLDG WA

RE PLATORA URANIUM CORPORATION DOCKET 3305. RECOMMENDED THAT DEPTH OF SHAFT BE FIXED AROUND 200 FEET. PRIMARY ORE ZONE AT DEPTH OF 86 FEET. INFERRED PRIMARS ORE ESTIMATE BETWEEN 86 FEET AND 180 FEET DOWNDIP. DRIFTING PROGRAM REPORT PAGE 16 STAGES 2 AND 3 SHOULD BE RETAINED IN PRINCIPLE. WATER FLOW WIL INCREASE COST OF OPERATION. SENDING FIELD TEAM'S COMMENTS AIR MAIL.

S RICKER FOR H C MILLER EXECUTIVE OFFICER DMEA FIELD TEAM REGION III

3305 200 86 86 180 16 2 3

AC 1045A/CT 637P

MChing:foc
Rare & Miscellaneous Metals Div. DMEA

Interior Department
(14X4401(01) Revolving Fund, Defense Production Act, Interior
(Allocated Working Fund to the Office of the Secy.)

xxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxx

T E L E T Y P E

AUG 26 1954

H. C. Miller, Executive Officer, DMEA Field Team, Region III, San Francisco 2, Calif.

Re Platora Uranium Corporation Docket 3305. Please submit your comments and recommendations on applicants' letter of August 20 addressed to this office.

W. S. Martin
Acting Chairman, Operating Committee

MCHING:foc
8-26-54
cc to: Docket
Code 700
Adm. Reading File
Operating Comm.
FT. Reg. III - CONFIRMATION
Mr. Crawford, Rm. 3513, USBM
Mr. Butler, Jr., Rm. 3212 - GSA
Mr. Ching

PLATORA URANIUM CORPORATION

405 UNIVERSITY BUILDING • DENVER 2, COLORADO • ACOMA 2-9575

August 20, 1954

United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

Attention: Mr. C. O. Mittendorf,
DMEA Administrator

In re: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada
Contract No. Idm-E697

Gentlemen:

We are in receipt of your letter of August 12, 1954, covering the above contract. A considerable amount of time has gone by since our original application for this loan. During this time, we have continued to work on the property and our shaft is now some 145 feet in depth. We have consulted many eminent geologists, including some of the foremost men in the Atomic Energy Commission in this locality, and it is their opinion, together with that of the officials of the company, that it would be uneconomical to drift at any set level as 85 feet and 160 feet, inasmuch as the primary ores have not as yet been encountered. You will no doubt appreciate our other objections that a contract to go to 160 feet, when we are already within some 15 feet of that depth, will be of little value to the company.

We are willing to renegotiate the contract providing for a shaft to go down a specified number of feet from the depth at the time of the signing of said renegotiated contract, and drifting when primary ores are encountered.

During the last 20 feet of sinking, water has been encountered and it has been necessary for the company to install a Diesel electric plant, pumps, pipelines and other pumping equipment to keep the mine unwatered.

Will you please consider all the above factors and advise us of your opinions.

In connection with the claimed discrepancies, may I point out that at the present time we are using two shifts of two miners and one hoist engineer each, or a total of six men, plus one foreman, who may subsequently be in a position of an independent contractor as to his relationship with the company.

The figure of $100.00 per foot for sinking the shaft, which did not contemplate the presence of water, was arrived at after consultations between our president and manager, Mr. Sweet, and Mr. Johnson, of the Bureau of Mines at Reno, Nevada. A like determination was arrived at for the $40.00 figure for drifting. The camp itself is situated far from any habitation and it is most difficult to obtain workmen unless they can work a six-day week and are furnished food at a low cost.

I am sure that you will appreciate all these additional matters which were included in our computations.

Yours very truly,

PLATORA URANIUM CORP.

By Irving Lindner
Irving Lindner,
Secretary and Treasurer

IL:aa

cc: United States Department of the Interior
420 Custom House
555 Battery Street
San Francisco 11, California

Attention: Mr. H. C. Miller

8/11/54 gla

WA SFF 408 I-BOM

SAN FRANCISCO CALIF 8-10-54 1013A

GEORGE C SELFRIDGE CHAIRMAN

OPERATING COMMITTEE DEFENSE MINERALS EXPLORATION ADMN INTERIOR BLDG

WA

RE DOCKET DMEA-3305, PLATORA URANIUM CORPORATION, HAVE RECEIVED FROM A. N. SWEET CONSENTS TO LIEN REFERRED TO IN YOUR WIRE JULY 29. NOW WAITING FOR CONTRACT.

H C MILLER EXECUTIVE OFFICER DMEA FIELD TEAM REGION III

DMEA-3305 29

AC 1129A

AUG 11 9 43 AM '54
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

Docket
Surname copy

700

Ching, Ellis
Ellis
Chandler
Brown for
Butler
Johnson

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

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
U. S. Bureau of Mines
420 Custom House
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Miller:

Enclosed are the original and five copies of a proposed short form exploration contract between the Government and the Platora Uranium Corporation, executed by the Administrator.

Our teletype of July 29, 1954, requested that you secure the necessary Owners' Consents to Lien on the forms revised July 1, 1954, and hold them for attachment to the contract before the latter is forwarded to the Operator for execution.

You will note that we have modified somewhat the unit costs recommended by the Field Team. This was made necessary by a number of obvious inconsistencies shown in the supporting details of costs for shaft sinking and drifting. For example, the shaft sinking is based on 25 working days and the use of four miners at $20.00 per day. Unaccountably, a figure of $2100.00 was used instead of the obvious total of $2000.00. This discrepancy alone makes a difference of $5.33 per foot of shaft sinking.

Drift timbering was set up with a separate unit cost instead of being lumped together with other drifting costs, as no drift timbering was anticipated by the Applicant and timbering costs should be allowed only when such work is actually required.

If the proposed contract is satisfactory to you and to the Operator, and the necessary consents to lien are obtained, please have all copies properly executed and make the usual distribution thereafter.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (WSB)

Enclosures

APPROVED:

J. H. Hedges
Member, Bureau of Mines (JHH)

Philip W. Guild
Member, Geological Survey (PWG)

MChing/gla
8-6-54
cc to: Admr. Reading File
Operating Committee
Messrs. A. P. Butler, Jr. Rm. 3212, GSA
J. O. Hosted, Rm. 3210
H. D. Keiser, Rm. 3641
Code 700
Mr. Ching

R.C.S.

ARD FORM NO. 64

a.a.
8-9-54

Office Memorandum • UNITED STATES GOVERNMENT

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

DATE: August 5, 1954

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

SUBJECT: Field Team Report of examination, DMEA Docket 3305 (uranium), Platora Uranium Corp., applicant, 405 University Bldg., Denver 2, Colo.; Moonlight Mine, Secs. 9 and 16, T. 45 N., R. 34 E., Humboldt County, Nevada

The Field Team report presents the results of the examining members investigation of the property identified in the subject above, and their recommendation for extending an inclined shaft 75 feet, drifting a total 350 feet on the 85-foot and bottom levels and crosscutting 50 feet in the mineralized zone. Total cost would be $19,248, the Government's share $14,436.

Comment

The examination showed that uranium minerals are irregularly distributed in altered and silicified rhyolite tuff in the hanging wall zone of a well defined fault. This fault brings the rhyolite tuff on the hanging wall side in contact with altered ash and crystal tuff of intermediate composition on the foot wall side. Secondary uranium minerals occur near the surface, but probable pitchblende occurs near the present bottom of the shaft which appears to be near the bottom of the zone of oxidation. No systematic difference was noted in the grade of oxidized and relatively unoxidized ore.

Material containing 0.10 percent U_3O_8 occurs intermittently for a strike length of 100 feet and downdip for 90 feet. Within those limits a block of mineralized ground 2.5 feet thick measures 2,000 tons of rock containing 0.08 percent U_3O_8. About 100 tons of ore containing nearly 0.20 percent uranium has been shipped out of 450 tons mined to date from this block. If conditions remain the same throughout the block, between 400 and 500 tons of ore could be sorted from the whole block.

The ore would have to be more continuous or higher grade at depth for the proposed exploration to result in the discovery of significantly more ore than can now be inferred; but the extent and any possible changes in character of ore can only be tested by exploration. Because this deposit is in an area where other deposits are not yet known, the proposed exploration will contribute useful new information on the habits of deposits of this type, and will probably result in the discovery of some ore. For these reasons ~~For this reason~~ some exploration appears to be a justifiable risk, and the plan proposed by the Field Team appears reasonable.

Conclusion

I concur with the recommendations that a loan be granted for the Government's proportionate share of a total cost of $19,248.

Copy to: E. Wm. Ellis (2)

Arthur P. Butler, Jr.

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

August 4, 1954

Memorandum

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

From: Acting Assistant Solicitor, Defense Minerals

Subject: Platora Uranium Corporation, Docket No. DMEA-3305 (Uranium)

Attached is a contract covering the above-described project in satisfactory legal form for execution, subject to the attachment of the maps referred to therein and of the Owners' Consents to Lien on the form revised July 1, 1954.

Henry C. Bratton
For J. L. Hofflund
Acting Assistant Solicitor
Defense Minerals

Attachments 6

8/3/54 gla

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

August 2, 1954

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3305, Platora Uranium Corporation, Moonlight Uranium Mines, Humboldt County, Nevada

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

I concur in the recommendation of the Field Team that a contract be executed in the total amount of $19,248, with Government participation of $14,436.

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

H. D. Keiser

H. D. Keiser

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

July 29, 1954

Memorandum

To: File

From: Michael Ching, Rare & Miscellaneous Metals Division

Subject: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

The Field Team report of examination dated July 19, 1954, on the subject property, includes details of the estimated cost of shaft sinking and drifting which, in certain instances, appear either inconsistent or inappropriate. For example:

1. The shaft sinking is based on 25 working days and is to be done by four miners at $20.00 per day. A total cost of $2400.00 for miners is shown instead of $2000.00.

2. Payroll taxes and compensation insurance is applied on all underground and surface labor, superintendent and bookkeeper's salaries alike, at an average rate of 18.87%, which appears high.

3. Powder, caps and fuse are estimated at $2.20 per foot of drift and only $1.00 per foot of shaft.

4. Separate charges are made for air and water lines in addition to a depreciation charge on $300.00 worth of pipe furnished by the Operator.

5. The cost of timber is shown as $4.48 per foot for the drift and only $4.00 per foot for the shaft, which has 1½ compartments and a greater cross section. Furthermore, the unit cost of drifting included $4.48 per foot for timber, whereas the Operator did not anticipate timbering in the drifts.

In view of the foregoing inconsistencies separate unit costs were set up in the proposed contract for drift timbering and chemical analyses, and the other details of costs were modified as follows:

Modified Details of Costs

Shaft Sinking (75 feet in 25 Working days)

Labor & Supervision	25 Day Month	Cost Per Foot
1 Superintendent	$650.00	$8.67
1 Bookkeeper (part time)	150.00	2.00

Modified Details of Costs Continued

Labor & Supervision	25 Day Month	Cost Per Foot
1 Hoistman @ $16.00/day	$ 400.00	$ 5.33
4 Miners @ $20.00/day	2000.00	26.66
Payroll taxes & Comp. Insurance @ 15%	542.40	7.23
Other		
Equipment depreciation	145.00	1.93
Powder, caps, fuse	225.00	3.00
Fuel	150.00	2.00
Repair parts	37.50	.50
Trucking	37.50	.50
Vent pipe	75.00	1.00
Steel and bits	120.00	1.60
Carbide	25.00	.33
Timber	300.00	4.00
Lubricating oils and grease	30.00	.40
	$4887.40	$65.15
Add 10% for contingencies	488.74	6.52
Total	$5376.14	$71.67

Drifting (250 feet in 31 working days)

Labor & Supervision	31 Day Month	Cost Per Foot
1 Superintendent	$ 650.00	$ 2.60
1 Bookkeeper (part time)	150.00	0.60
1 Hoistman @ $16.00/day	496.00	1.98
2 Miners @ $20.00/day	1240.00	4.96
2 Muckers @ $16.00/day	992.00	3.97
Payroll taxes & Comp. Insurance @ 15%	529.20	2.12
Other		
Equipment depreciation	145.00	0.58
Powder, caps, fuse	550.20	2.20
Fuel	372.00	1.49
Repair parts	125.00	0.50
Trucking	125.00	0.50
Vent pipe	250.00	1.00
Steel and bits	250.00	1.00
Carbide	25.00	0.10
Lubricating oils and grease	62.50	0/25
	$5961.90	$23.85
Add 10% for contingencies	596.19	2.38
Total	$6558.09	$26.23

Ellis

Michael Ching

Michael Ching

8/3/54 gla

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

Defense Minerals Administration
RECEIVED
AUG 2 - 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

July 29, 1954

Air Mail

Mr. A. N. Sweet, President
Platora Uranium Corporation
405 University Building
Denver 2, Colorado

Re: Docket No. DMEA-3305 - Uranium
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Sweet:

On July 21, 1954, we sent you copies of MF-203 Owner's Consent to Lien forms which we asked you to execute and mail directly to Mr. George C. Selfridge in Washington, D. C. The forms sent you were the latest revision of the lien forms.

I now have the following teletype from Mr. Selfridge dated July 29:

"Two sets Owner's Consent to Lien submitted by applicant unacceptable because old forms used and provisions added. Please secure new Owner's Consent to Lien revised July 1, 1954, from the three owners and four overriding royalty holders without modifications. Hold for attachment to contract which will be forwarded shortly."

We are certain that the forms sent you with our letter of July 21 were the new forms revised July 1, 1954. We cannot explain, therefore, why the Washington office wires that both sets received from you are old forms.

We are, therefore, enclosing two sets of the revised form MF-203 with the request that you have them executed as asked for in the July 29 teletype and send six signed copies to me directly of the consent from the three owners, and six executed copies from the four overriding royalty holders which I will then attach to your contract when received. The contract will then be sent to you for execution.

K. C. Miller
Executive Officer
DMEA Field Team, Region III

Enclosure

Copy to: DMEA, Washington, D. C.
Roscoe Smith, USGS

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

2

420 Custom House
555 Battery Street
San Francisco 11, Calif.

July 29, 1954

Air Mail

Mr. A. N. Sweet, President
Platora Uranium Corporation
405 University Building
Denver 2, Colorado

Re: Docket No. DMEA-3305 - Uranium
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Sweet:

On July 21, 1954, we sent you copies of MF-203 Owner's Consent to Lien forms which we asked you to execute and mail directly to Mr. George C. Selfridge in Washington, D. C. The forms sent you were the latest revision of the lien forms.

I now have the following teletype from Mr. Selfridge dated July 29:

"Two sets Owner's Consent to Lien submitted by applicant unacceptable because old forms used and provisions added. Please secure new Owner's Consent to Lien revised July 1, 1954, from the three owners and four overriding royalty holders without modifications. Hold for attachment to contract which will be forwarded shortly."

We are certain that the forms sent you with our letter of July 21 were the new forms revised July 1, 1954. We cannot explain, therefore, why the Washington office wires that both sets received from you are old forms.

We are, therefore, enclosing two sets of the revised form MF-203 with the request that you have them executed as asked for in the July 29 teletype and send six signed copies to me directly of the consent from the three owners, and six executed copies from the four overriding royalty holders which I will then attach to your contract when received. The contract will then be sent to you for execution.

R. C. Miller
Executive Officer
DMEA Field Team, Region III

Enclosure

Copy to: DMEA, Washington, D. C.
Roscoe Smith, USGS

Surname 700

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

Ching
Ellis

INTERIOR DEPT.
JUL 30 1954
SOLICITOR

July 29, 1954

Memorandum

To: Acting Assistant Solicitor, DMEA

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

Subject: Contract Preparation
Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

Will you kindly have prepared a short form contract with the subject Applicant as outlined in the attached draft.

The Applicant has submitted Owners' Consents to Lien which were on obsolete forms and contained added provisions which in one case, was considered unacceptable by Mr. Ruben. Consequently, we have wired the Executive Officer, Region III to secure new Owners' Consents to Lien on the latest revised forms, without modifications, and instructed him to hold such forms for attachment to the proposed contract when the latter is forwarded to him for execution by the Applicant.

Ernest Wm. Ellis

MChing/am
cc to: Docket File
Code 700 Contract Div. File
Mr. Ching

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

MChing

DMEA - Department of the Interior
14X4401(01) Revolving Fund, Defense Production Act, Interior
(Allocated Working Fund to the Office of the Secy.)

JUL 29 1954

Docket DMEA-3305 (Uranium)
Plator Uranium Corporation

ARTHUR N. SWEET, PRESIDENT
PLATORA URANIUM CORPORATION
104 UNIVERSITY BUILDING
DENVER 2, COLORADO

INTERIOR DEPT.
JUL 29 1954
SOLICITOR

Ching
F. L. Kunze
Selfridge
Potter
Johnson

REFERRED JULY 21, 1954, WITH ATTACHED OWNERS' CONSENTS TO LIEN LATTER UNACCEPTABLE BECAUSE OBSOLETE FORMS USED AND PROVISIONS ADDED. MILLER WILL SUPPLY YOU WITH NEW FORMS WHICH SHOULD BE EXECUTED WITHOUT MODIFICATIONS AND RETURNED TO HIM. CONTRACT UNDER PREPARATION WILL BE FORWARDED TO MILLER SHORTLY AND NEW CONSENTS TO LIEN MUST BE ATTACHED BEFORE FORWARDING TO YOU FOR EXECUTION.

FROM SOLICITOR
JUL 29 1954
FOR SIGNATURE

FRANK E. JOHNSON
F. E. Johnson, Acting Administrator
Deputy

MChing/gla
7-28-54
cc to: Admr. Reading File
Docket
Messrs. A. P. Butler, Jr., Rm. 3212, GSA
J. O. Hosted, Rm. 3210, GSA
H. D. Keiser, Rm. 3641
Code 700
M. Ching
DMEA Field Team, Region III (2)

R.G.B.

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

T E L E T Y P E

MChing

[redacted]

DMEA - Department of the Interior
1.1.1.01(01) Revolving fund, defence
Production Act, Interior
(Allocated working fund to the
Office of the Sec'y.)

INTERIOR DEPT.
JUL 29 1954
SOLICITOR

Ching
T. Kuehne
Selfridge
Butler
Hyman

C. WILLE, [illegible] SOLICITOR
DMEA FIELD TEAM, REGION III
U. S. [illegible]
120 CUSTOM HOUSE, 555 BATTERY STREET
SAN FRANCISCO 11, CALIFORNIA

[illegible] DOCKET 3305 PLATONA URANIUM [illegible]
[illegible] IN AMERICAN [illegible]
[illegible] PROVIDES [illegible]
[illegible] JULY 1, 1954 [illegible]
[illegible] WITHOUT MODIFICATION. [illegible]
[illegible]

George C. Selfridge

George C. Selfridge, Chairman (246)
[illegible] COMMITTEE

MChing/gla
7-28-54
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. A. P. Butler, Jr. Rm. 3212, GSA
J. O. Hosted, Rm. 3210, GSA
H. D. Feiser, Rm. 3641
Code TOO
M. Ching
Confirmation to Region III

R.C.S.

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

420 Custom House
555 Battery Street
San Francisco 11, California

July 21, 1954

Air Mail

Memorandum

To: George C. Selfridge, Chairman, DMEA Operating Committee, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Uranium Mine
Humboldt County, Nevada

Reference is made to your letter dated May 10, 1954 requesting a field examination of the subject property.

Attached is a copy of the Field Team's report, entitled "DMEA-3305, Moonlight Uranium Mine, Humboldt County, Nevada," by A. O. Taylor and J. F. Powers, Geologists, U. S. Geological Survey and Glenn G. Gentry, Mining Engineer, U. S. Bureau of Mines, dated July 19, 1954.

As indicated in my wire to Mr. Mittendorf today, the other three copies (original and two copies) are going forward by regular mail.

The engineer and geologists are in agreement that a certain amount of exploration work is warranted on the property. The work would comprise the sinking of the present shaft an additional 75 feet; drifting along the vein at the 85 and 185 foot levels for a total of 350 feet; and crosscutting the mineralized zone for 50 feet at a location to be selected after the drifting is completed.

According to the engineer and geologists' report, there is an abnormal radioactivity associated with the altered rhyolite rocks that should further be explored to determine the extent of mineralization in this area.

I concur with the recommendations that have been made by the engineer and geologists.

Due to your office being pressed for an early decision on the subject application, no opportunity has been given Mr. Roscoe Smith to review the report and give me his comments prior to submitting it to you. He is, however, being furnished with a copy of the report and should he disagree with the recommendations and conclusions given therein, I will wire his thoughts to you in a few days or early next week at the latest.

I am writing the applicant to send you six copies of Owner's Consent to Lien from the original lessors. The report on the property closes with the suggestion that Owner's Consent to Lien from the four over-riding royalty holders should also be obtained but I question whether that is necessary. If I am wrong, kindly let me know and I will request them of the applicant.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: A. C. Johnson, Reno
R. M. Smith-USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3305, Moonlight Uranium Mine

Humboldt County, Nevada

A. O. Taylor, Geologist, U. S. Geological Survey
J. F. Powers, Geologist, U. S. Geological Survey

and

Glenn G. Gentry, Mining Engineer
U. S. Bureau of Mines

July 19, 1954

Reviewed by
DMEA OPERATING COMMITTEE
7-28-54
(date)

CONTENTS

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EXHIBITS

Figure No.	Description
1	Index map of northwest Nevada.
2	Geologic map and cross section of the Moonlight Uranium Mine.
3	Assay map.
4	Claim map.

* * * * *

Appendix No. 1:

Indenture of agreement and lease between Jess Nachiondo, Irwin S. Sweeney, James Murdock, Lessors and James R. Dutton, Robert S. Palmer, Lessees, dated Nov. 17, 1953.

Appendix No. 2:

Indenture of lease between the above mentioned parties dated August 8, 1953.

Appendix No. 3:

Assignment of lease from Robert S. Palmer and James R. Dutton to Jack M. Anderson, dated February 26, 1954.

Appendix No. 4:

Assignment of lease from Jack M. Anderson to the Platora Uranium Corporation, dated March 1, 1954.

Report of Examination

Docket No.: DMEA-3305 (Uranium)

Name and address of applicant: Platora Uranium Corporation
405 University Bldg.
Denver 2, Colorado

Name and location of property: Moonlight Mine
Humboldt County, Nevada

SUMMARY

Pursuant to an application for Government assistance, dated April 1, 1954 and signed by Mr. A. N. Sweet, President, the Moonlight Mine was examined, mapped and sampled by Messrs. A. O. Taylor and John Powers, geologists, U. S. Geological Survey and Glenn G. Gentry, U. S. Bureau of Mines, Region III.

Mr. A. N. Sweet, president of the mining company, was unable to be present during the examination and the mine superintendent, Mr. L. A. McConley, accompanied the examining engineer and geologists for about two hours during the preliminary inspection of the shaft on the morning of June 4.

The applicant has proposed to explore the mine for uranium ores by extending the present shaft a distance of 150 feet, drifting 500 feet from the 200-foot level of the shaft and diamond drilling a total of 5,000 feet. The applicant's estimated cost for the above exploration amounts to $61,900.00.

The applicant has proposed that the exploration work be considered in three phases and that phases two and three to be dependent upon the preceeding phase. The costs for the three phases of the work are estimated by the applicant as follows:

Phase 1:	Sink 150 feet of 1-1/2 compartment shaft	$18,200.00
Phase 2:	500 feet of drifting	22,100.00
Phase 3:	5,000 feet of diamond drilling	20,000.00
	Insurance and contingencies	1,600.00
		$61,900.00

The principal exploration accomplished by the owners and various lessees together with the applicant, has amounted to deepening the present inclined shaft to a depth of approximately 86 feet. Several cars of sorted uranium ore have been produced from the shaft exploration and shipped to the Vitro Chemical Company at Salt Lake City, Utah. The mine superintendent's records of two of these cars are as follows:

Date	Car No.	%, U_3O_8
January, 1954	W.P. 5538	0.21
February, 1954	W. P. 5845	0.19

No mine record was available covering additional shipments reported by the applicant.

Inspection of the shaft and the exposures north and south of the shaft, by means of a geiger counter, indicate various degrees of radioactivity, though the average grade of the ore is expected to be low. Upgrading of the ore may be possible by sorting and/or screening as the

superintendent reports a higher count in the fines.

Assuming an average grade of mine run ore could be maintained, the indicated tonnage would have sufficient merit for a moderate exploration project in order to determine values at greater depth, and the lateral extension of the mineralized area.

This exploration, with Government assistance, would entail a total of 475 feet of shaft sinking, drifting and crosscutting at a total cost of $19,248.00.

NAME AND LOCATION OF PROPERTY

The Moonlight mining claims, consisting of claims No's. 1 to 10 inclusive, are situated in the north central portion of Humboldt County, Nevada and are only a short distance south of the Oregon boundary line. The claims are described as located in sections 9 and 16, T. 45 N., R. 34 E. MDB&M, in an unorganized mining district.

The Moonlight Mine shaft is situated at about the center of claim No. 1 and is reached via unimproved roads from Orovada, Nevada, a distance of 31.9 miles.

ACCESSIBILITY

Winnemucca, Nevada is the nearest source of supplies and labor and is also a shipping point on the main lines of the Western Pacific Railroad and the Southern Pacific Railroad. In order to reach the Moonlight Mine, the traveler would proceed north from Winnemucca, Nevada via

U. S. Highway No. 95, an all weather road, to Orovada, Nevada, a distance of 43.7 miles. From Orovada, the traveler proceeds via an unimproved desert road in a northwesterly direction for a distance of 31.9 miles. From Orovada to the mine the gradient is moderate. This area of Nevada usually has considerable snow from November through March and during this period the hauling of ore, and/or supplies would at times be difficult and/or impossible due to heavy snow drifts in the Thacker Pass area. The road is maintained by Humboldt County and their personnel and equipment is probably adequate to maintain access to the mine in all weather except extremely heavy snow fall.

HISTORY

R. S. Palmer and James Dutton of Denver, Colorado obtained a lease on the Moonlight property and exposed parts of the mineralized zone by bulldozer cuts and short drifts. They subsequently assigned their lease to Jack M. Anderson of Denver, Colorado, who, in turn, assigned the lease to Platora Uranium Corporation.

The applicant had sunk a 60 degree inclined shaft to a depth of 86 feet by June 4, 1954 and had shipped two cars of uranium ore approximating 100 tons, to Vitro Chemical Co. in Salt Lake City, Utah. The grade of the two cars of ore was 0.21 and 0.17 percent U_3O_8. An additional three cars of uranium-bearing rock were also shipped but they failed to meet minimum AEC grade specifications of 0.10 percent U_3O_8.

COMPETENCY OF APPLICANT

The applicant is a graduate mining engineer and has had many years experience in the operation of various mines in the USA and Mexico. The present operating mine superintendent is an experienced miner with many years operating experience.

The applicant reports that his company is financially able to pay for its share of the proposed exploration.

APPLICANT'S PROPERTY RIGHTS

The mining claims are held by location, have been surveyed, and reported to have been properly recorded at the office of the Humboldt County, Recorder, Winnemucca, Nev., as follows:

Claim No.	Book No.	Page No.
Moonlight Mine No. 1	5	20
" " No. 2	5	21
" " No. 3	5	21
" " No. 4	5	22
" " No. 5	5	22
" " No. 6	5	23
" " No. 7	5	23
" " No. 8	5	24
" " No. 9	5	24
" " No. 10	5	25

The mine superintendent reports that all assessment work has been done and no debts have accumulated against the property.

The lessees right and titles to explore and develop the mining claims are set forth in the various leases which they have obtained from the owners and are contained in the attached Appendix No's. 1-2-3-4.

DESCRIPTION OF PROPERTY

The mine camp, located approximately 300 feet north of the shaft, consists of one trailer house occupied by the mine superintendent and one small frame building occupied by the three miners presently employed in the operations.

Additional housing will be required if the mine is to be operated upon a two shift basis.

The Moonlight mine has been opened by means of an inclined shaft, inclined to the east upon a minus 45° to 60° slope, reaching a depth of 86 feet. It is a one and one-half compartment shaft, 6-by 9-1/2 feet, which has required 8-by8-inch timber supports on 6-foot centers.

Mining equipment consists of:

1 - LeRoi Air Compressor, 105 cu. ft. capacity, powered by gasoline engine.
1 - Skagit, double drum hoist and cable, operated by gasoline engine.
1 - 1-ton mine car, steel body, end dump, 18-inch track gauge.
1 - Steel ore bucket, about 1,500 lbs. capacity.
1 - Machine drill, mounted on air leg.
2-inch pipe for compressed air in the shaft.
1-inch pipe for drilling water in the shaft.

No ventilation equipment has been required, however, adequate ventilation machinery is reported to be presently enroute from Denver, Colorado to the mine.

The operators plan on removing the present 4-by 6-inch timber slide rails in the shaft and substituting steel rail and a skip to replace the ore bucket.

Broken rock is dumped over the side of the ore bin and material classified as ore is dumped into a 50-ton storage bin located approximately 50 feet west of the collar of the shaft. At this time, the hoist man also acts as the trammer on top. Sufficient dump room for waste rock is readily available for the proposed program of exploration.

The mine workings are dry and water for domestic use and drilling is obtained from a small stream about 200 feet north of the shaft. No transmitted power is available in the area and all equipment would therefore have to be operated by either Diesel or gasoline engines.

MANPOWER, SUPPLIES, ETC.

Due to the isolation of the mine, workmen are usually secured from Winnemucca, Nev., which is the nearest town of any size. The majority of mining supplies can also be obtained in the same city. Trucking costs from Winnemucca to the mine are reported to be $0.06 per ton mile.

Heavy mine timbers can be purchased in Oregon and delivered to the mine at $80.00 per M board feet.

GEOLOGY

Previous geologic work in the vicinity of King's River Valley has been very limited. Geologists of the AEC have prepared a plane table map of the area immediately surrounding the mine and maps showing mine workings and geology. Their results are unpublished but were kindly made available for use of the U.S. Geological Survey.

The Moonlight Mine is on the western slope of a tilted and moderately dissected fault block composed of Tertiary volcanic rocks bordering King's River Valley on the east. The regional strike of the rocks is northerly with dips of 5 to 15 degrees to the east. Locally dips as much as 60 degrees to the east were observed. The volcanic sequence, from the base up, consists of massive black basalt and altered andesitic tuffs. These rocks are overlain by a series of rhyolite tuffs and flows that have been severely altered. Above the rhyolitic rocks is a thick series of hornblende andesite or latite. The entire sequence of volcanic rocks is 2,000 to 3,000 feet thick and rests unconformably on an older granodiorite or quartz monzonite.

In the mapped area around the Moonlight Mine only rhyolitic rocks outcrop. The rock mapped as Tertiary tuff (Tt), fig. 2, Geologic Map and Cross Section of the Moonlight Uranium Mine, was originally an ash and crystal tuff of intermediate to acidic composition. The rock is now an intensely altered aggregate composed of sericite and other unidentified alteration products. The rock mapped as Tertiary rhyolite tuff (Trt) is light colored on fresh surfaces but weathers brown from the decomposition of pyrite. This rock is the host for uranium mineralization at the Moonlight Mine. Every outcrop of this rock is intensely silicified and more or less brecciated and weathers to vertical cliffs and craggy points. The rock mapped as Tertiary rhyolite porphyry (Trp) has been intensely al-

tered in all exposures. The alteration consists of quartz, orthoclase or adularia, and disseminated pyrite which causes the rock to weather brown in prominent outcrops. The outlines of phenocrysts of a feldspar were preserved during alteration giving the rock its porphyritic appearance. It is possible that this rock was originally not rhyolite porphyry because its upper contact appears to grade insensibly into hornblende andesite or latite (east of mapped area in fig. 2).

The structure of the Moonlight Mine and the immediately surrounding area as shown on section A-A', fig. 2, is deceptively simple and even somewhat misleading. It is suspected that some of the rocks have been injected as dikes or sill-like bodies but good evidence for this was not found. There is little information about the attitude of rock units or their contacts near the mine. Flow banding in the rhyolitic rocks was observed to be contorted and swirled and hence unreliable as an indicator of attitudes. Similarly, contacts between bedrock units are exposed over such small horizontal and vertical distances that their projections are subject to gross error.

The attitude of the Moonlight fault is well established. Its strike is north-south and its dip ranges from 45 degrees east near the surface to a nearly uniform 60 degrees east down most of the main inclined shaft. The fault clearly separates rocks of different character throughout its known vertical extent. The type and amount of relative movement on

the fault is unknown because equivalent rock units were not found on both sides of the fault and also because mullion structure, drag, and slickensides were not found.

There are two saving virtues of the meager structural data available and they are that the attitude of the Moonlight fault is well established and that its character is strong and persistent and therefore its projection down dip for several hundred feet is reasonably assured. This is important because the known uranium ore at the Moonlight Mine is confined to the fault.

ORE DEPOSITS

The uranium ore deposit at the Moonlight Mine occurs along a fault in rhyolitic rock that has been intensely brecciated and silicified. From examination of hand specimens of the ore, it appears that uranium minerals, pyrite, fluorite, and smoky quartz crystals were introduced after the intense brecciation and silicification, probably during a period of minor movement along the Moonlight fault that reopened it to mineralizing fluids.

The highest concentrations of uranium minerals are at the footwall of the fault which is quite sharply bounded. The hanging wall of the fault is indefinite and the concentration of ore and gangue minerals as well as the intensity of brecciation decreases as one moves towards it. As shown on fig. 3, Sample Location Map, Moonlight Mine, Humboldt County, Nevada, the distribution of uranium in the vein is spotty

and erratic and leaves much to be desired in the way of a minable ore shoot. Along strike of the vein, no samples were collected that contain uranium oxide at a grade of 0.10 percent or better north of sample BM-1300 and south of sample BM-1296. Down the dip of the vein no definite trend for the distribution of samples containing 0.10 percent U_3O_8 or more manifests itself, and the distribution may best be described as erratic.

The ore and gangue minerals in the vein are meta-autunite, meta-torbernite, orange and yellow non-fluorescent uranium minerals collectively termed gummite, uraninite?, pyrite, fluorite, quartz, iron oxides, and clays. The applicant reported that carnotite had been identified in the ore but no mineral resembling carnotite was observed.

Traces of gummite occur as halos and coatings around small black cores. These minerals were too scarce to collect enough for determinative tests, but there is no reasonable doubt that they represent the immediate oxidation products of uraninite. The material examined came from the bottom of the main inclined shaft at a depth of 86 feet. Autunite is most abundant near the surface, decreasing in concentration down the dip of the vein until it is virtually absent at a depth of 86 feet. Autunite is supplanted by torbernite and gummite and uraninite. Most of the pyrite has been decomposed and changed to hydrated iron oxides in the upper parts of the vein but it becomes increasingly common down dip.

Thus, it seems clear that the mine workings have already penetrated the unoxidized zone and that one is observing what is essentially a zone of primary uranium minerals at a depth of 86 feet in the inclined shaft.

Inspection of the sample data in fig. 3 does not reveal a tendency towards secondary enrichment in the upper part of the vein nor does it reveal any tendency for the primary ores to be of better grade than the secondary ones. It is believed, without adequate proof, that the conversion of uraninite to hydrated uranium oxides and calcium and copper uranium phosphates takes place practically in situ with only relatively slight dispersion along cracks and fractures at the Moonlight Mine. This is not meant to convey the impression that higher grade uraninite ores are not present somewhere along the Moonlight fault, for late oxidation and weathering have little to do with the factors that determined the sites and amounts of primary deposition of uranium minerals. It is reasonable to expect that material of ore grade can be found in the Moonlight Mine but whether it will constitute ore bodies of sufficient size to support a profitabe mining operation is unknown.

ORE RESERVES

Uranium mineralization at the Moonlight Mine is so spotty and erratic in its known distribution that it is pointless to calculate any measured ore reserves. Indicated reserves were calculated by assuming that the averages of the sample analyses shown on fig. 3 are repre-

sentative of a rectangular block of material 110 feet by 90 feet by 2.5 feet. The inferred reserve block extends 25 feet north and 85 feet south of the centerline of the main inclined shaft and 90 feet down the dip of the vein to the bottom of the shaft. The width of 2.5 feet was obtained by averaging the sample widths. Seven samples assaying less than 0.02 percent U_3O_8 that are within the indicated reserve block were not included in calculations because a definite value for their uranium oxide content was not determined. Using a conversion factor of 12 cubic feet per ton and weighting sample analyses against their widths, a rounded figure of 2,000 tons of rock averaging 0.08 percent U_3O_8 was calculated. About 550 tons of material has been removed from the main shaft and the two small adits immediately to the south leaving a total of 1,450 tons still in the ground. If the indicated reserve block were actually mined it would be difficult to maintain an average grade of 0.08 percent U_3O_8 on account of the narrow average mining width and because mineralized material does not break cleanly from the hanging wall.

Inferred reserves were estimated by assuming that the indicated reserve block will extend down the dip of the Moonlight vein for a distance of 180 feet or twice its known depth, and that the same calculated average grade and width will persist. These assumptions result in an inferred reserve of 2,000 tons of material at an average grade of 0.08 percent U_3O_8.

In addition to the indicated and inferred reserves estimated for the Moonlight vein, there is a much larger amount of rock that is abnormally radioactive. As shown in fig. 3, section A-A', the entire outcrop of rhyolite tuff (Trt) is abnormally radioactive from 5 to 20 times background. It is estimated that the equivalent uranium content of the rhyolite tuff is between 0.01 and 0.04 percent. Assuming that the rhyolite tuff extends down the dip for a distance equal to its outcrop length of 280 feet and that it maintains a thickness of 50 feet, then there is about 325,000 tons of rock estimated to contain 0.01 to 0.04 percent U_3O_8 in the Moonlight Mine.

PROPOSED EXPLORATION

The applicant proposed an exploration program divided into essentially three stages costing a total of $61,900.00 as follows:

1. Extend the main shaft to the 200-foot level and complete surface trenching and bulldozing to search for parallel mineralized zones.

2. Drive at least 250 feet of drifts north and south of the shaft on the 200-foot level.

3. Prepare diamond drilling stations every 50 feet along the drift on the 200-foot level and drill holes totaling 5,000 feet in length to search for parallel mineralized zones.

A careful search of the surface around the mine failed to reveal

indications of parallel mineralized zones. Of course much of the bedrock is covered by talus and alluvium but silicification, associated as it is with uranium at the Moonlight Mine, results in resistant rocks that are likely to outcrop. Therefore, it is improbable that parallel mineralized zones similar to the Moonlight vein are present. Considering the erratic distribution of uranium in the Moonlight Mine, it is unlikely that diamond drilling would provide reliable information about tonnage and grade to base the advisability of further operations upon. For the foregoing reasons diamond drilling appears inadequate as an exploration tool at the Moonlight Mine.

It is believed that there is a reasonable chance of finding minable ore bodies in the Moonlight Mine by a modest exploration program consisting of deepening the present inclined shaft an additional 75 feet and drifting along the vein at the 85 and 185 foot levels a total of 350 feet and crosscutting the mineralized zone for 50 feet at a point to be selected after the drifting is completed. The estimated cost of the exploration program is $19,248.00. The government's share would be $14,436.00. If the applicant is granted an exploration loan, it is recommended that the contract be prepared on a unit basis. The exploration program should be divided into three stages as follows:

Stage 1. Extend the present inclined shaft down the dip of the Moonlight vein for an additional 75 feet.

Stage 2. From a point near the bottom of the shaft, drift north along the vein a distance of 100 feet then drift south along the vein a distance of 150 feet.

Stage 3. From the 85 foot level of the shaft drift north 50 feet and south 50 feet along the vein. From a point to be selected after the drifting is completed, crosscut east a distance of 50 feet. Stage 3 should be contingent upon favorable results in stages 1 and 2.

SAMPLING

While some sampling was done by former operators, the records at the mine office are incomplete. At the time Car No. 5538 was shipped, the mine records show a face sample in the shaft at 0.30% U_3O_8 and a bin sample of 0.18% U_3O_8. At the time Car No. 5845 was shipped, the mine records show a bin sample of 0.12% U_3O_8. Other samples reported by the Uranium Metals Company are:

Sample No.	Location	Date	%, U_3O_8
1	Face sample in shaft between 25'-50'	1/9/54	0.16
2	Face sample in shaft between 25'-50'	2/5/54	0.10
2	Face sample in shaft between 25'-50'	2/5/54	0.15

The mine superintendent also reports the following samples taken by Mr. Lloyd Conklin and Mr. Davis, of the AEC, when the shaft had reached a depth of about 30 feet:

Sample No.	Location	Percent eU_3O_8	Percent cU_3O_8
23201	South side wall - bottom incline	0.31	0.153
23202	24" access face - s. wall	0.17	0.103
23203	24" center face	0.12	0.119
23204	N. side (center bottom)	0.12	0.111
23205	Select	0.14	0.070
23206	4 pick handles	0.40	0.285
23207	Grab on 2 rucks	0.19	0.082

The following samples were taken by an engineer of the Bureau of Mines on June 4 and 5, 1954:

Sample No.	Width, feet	Location	%, U_3O_8
BM-1267	Grab	Grab sample from top of muck car as hoisted on 6/4/54. Shaft depth 86 feet.	*0.02
1268	3.8	North side of shaft. Surface at collar of shaft.	0.15
1269	3.3	North side of shaft. 12 feet below collar Hard-oxidized material	0.02
1270	4.0	North side of shaft. 10 feet below 1269. 6 inches of softer Fe stained gouge on footwall	0.09
1271	1.0	North side of shaft. 11 feet below 1270 Highly oxidized on footwall	0.40
1272	5.1	South side of shaft, opposite 1269	*0.02
1273	1.7	North side of shaft. 9 feet below 1271 Mostly softer gouge - Mn + Fe stains	*0.02
1274	2.9	North side of shaft. 9 feet below 1273 Oxidized-brecciated-hard on footwall	*0.02
1275	4.3	North side of shaft - 7 feet below 1274 Oxidized-brecciated material	0.02
1276	1.8	North side of shaft - 11 feet below 1275 Mostly soft, yellowish gouge.	0.16
1277	2.6	North side of shaft - 10 feet below 1276	0.07
1278	3.0	North side of shaft - 3 feet above bottom	0.02
1279	4.0	South side of shaft-opposite 1278	*0.02
1280	3.9	South side of shaft - 6 feet below 1272	0.20
1281	2.9	South side of shaft - 3.9 feet below 1280	0.15
1282	3.0	South side of shaft - 13 feet. below 1281	0.08
1283	1.3	South side of shaft - 8.5 feet below 1282	0.11
1284	2.0	South side of shaft - 13.5 feet below 1283	0.05

Sample No.	Width, feet	Location	%, U_3O_8
BM-			
1285	3.9	South side of shaft - 10.5 feet below 1284	*0.02
1286	2.3	South side of shaft - 8 feet below 1285	0.02
1287	grab	Grab sample from muck pile at bottom of shaft. Shaft depth 86 feet.	*0.02
1288	"	Grab sample from top of ore bin	0.02
1289	1.3	Surface - 11 feet south of collar of shaft and on same elevation as collar of shaft.	*0.02
1290	1.5	Same location as No. 1289 and under 1289	0.02
1291	1.5	Surface 25 feet south of collar of shaft, and on same elevation as collar of shaft.	0.07
1292		4 inches width. Surface - softer, oxidized gouge; under and adjoining 1291	0.19
1293	1.7	Surface face of cliff under and adjoining 1292. Mostly oxidized and hardened gouge with specks of bright greenish, yellow material.	0.02
1294	1.4	South side of shaft - 43 feet south of main inclined shaft, and 17.5 feet below collar. Brown-oxidized rhyolite	*0.02
1295	1.5	North side of the short shaft and opposite 1924	0.04
1296	2.8	Surface-face of cliff - 55 feet south of collar of shaft. Hard-yellowish rhyolite	0.10
1297	2.0	South side and at portal of pwder tunnel. 94 feet south of collar of shaft.	0.02
1298	4.5	South side and at portal of short tunnel 143 feet south of collar of shaft. Mostly yellowish oxidized material	0.02
1299	1.0	Cliff exposure of rhyolite - 20 feet above road. 182 feet south of collar of shaft	*0.02
1300	3.0	Surface 15 feet north of collar of shaft.	0.29
1301	1.6	Surface - 33 feet north of collar of shaft. Mostly yellow oxidized material.	*0.02
1302	5.3	Surface-cliff exposure - 70 feet north of collar of shaft. Brown-oxidized material.	0.02

CONCLUSIONS AND RECOMMENDATIONS

Uranium minerals at the Moonlight Mine occur along an eastward dipping fault displacing intensely altered Tertiary volcanic rocks. The

known uranium mineralization is spotty and erratic but ore grade material is present in the vein. A change in mineralogy from autunite to torbernite, gummite?, and pitchblende? is apparent between the surface and the 86-foot level. The uranium minerals are accompanied by fluorite, pyrite, and smoky quartz. The known uranium ore is confined to the Moonlight fault. The Moonlight fault is strong and persistent in character and its projection down dip for several hundred feet is reasonably assured.

Ore reserves at the Moonlight Mine are about 1,450 tons indicated and about 2,000 tons inferred at an estimated grade of 0.08 percent U_3O_8. In addition there is about 325,000 tons of rock estimated to contain 0.01 to 0.04 percent eU_3O_8.

It is believed that there is a reasonable chance of finding minable uranium ore bodies in the Moonlight Mine by a modest exploration program consisting of deepening the inclined shaft an additional 75 feet and drifting along the vein at the 85 and 185 foot levels a total of 350 feet and cross-cutting the mineralized zone for 50 feet at a point to be selected after the drifting is completed. An additional factor that enhances the desirability of exploring the Moonlight Mine is that abnormal radioactivity associated with altered rhyolitic rocks is widespread in the King's River Valley area. A successful exploration program at the Moonlight Mine would undoubtedly open up a large area to prospector and mining activity and might eventually lead to substantial production of uranium ores.

It is concluded that the chances of finding minable uranium ore bodies at the Moonlight Mine are reasonable; therefore, the examining geologists and engineer recommend approval of an exploration program as outlined and estimated to cost $19,248.00. The government's share of the costs would be $14,436.00.

Recommendations of costs on a unit basis are as follows:

Stage 1.	Extend the present inclined shaft, following the vein, an additional distance of 75 feet @ $80.00 per foot	$ 6,000.00
Stage 2.	From a point near the bottom of the shaft, drift in a northerly direction for a distance of 100 feet @ $33.12 1er foot	3,312.00
	From a point near the bottom of the shaft and opposite the North drift, drift in a southerly direction for a distance of 150 feet @ $33.12 per foot	4,968.00
Stage 3.	From the 85 foot level of the shaft: Drift in a northerly direction a distance of 50 feet @ $33.12 per foot	1,656.00
	Drift in a southerly direction a distance of 50 feet @ $33.12 per foot	1,656.00
		$19,248.00

Total exploration:

Shaft sinking - 75 feet @ $80.00 per foot	$ 6,000.00
Drifting - 350 feet @ $33.12 per foot	11,592.00
Crosscutting - 50 feet @ $33.12 per foot	1,656.00
Total - 475 feet	$19,248.00

Government participation @ 75% = $14,436.00

Time required: 5 months

Details of shaft costs:

Extend the present shaft, following the vein, a distance of 75 feet.

Size of shaft: 6 feet by 9 feet
Rate of progress: 3 feet per day
Time required: 25 days

Labor:	Cost		
	Per day	Per month	Per foot
1 Superintendent		$650.00	$8.66
1 Bookkeeper (Part time)		150.00	2.00
1 Hoistman	$16.00	416.00	5.55
4 Miners @ $20.00	80.00	2,400.00	32.00
Compensation and insurance @ 18.87%		682.34	9.10
Analyses - 15 samples		75.00	1.00
Equipment rental		145.00	1.93
Powder, caps, fuse			1.00
Fuel			2.00
Repair parts			0.50
Trucking			0.50
Vent pipe			1.00
Air and water lines			1.28
Steel and bits			1.60
Carbide			0.37
Timber			4.00
Lubricating oils and greases			0.25
			$72.74
Add 10% for contingencies			7.27
Estimated total			$80.01

The operator will furnish all equipment:

	Estimated value
1 - 105 cu. ft. air compressor	$3,150.00
1 - Mine hoist	1,500.00
Pipe	300.00
Machine and drills	1,200.00
Fan and vent tube	500.00
Small tools	200.00
Kohler plant	600.00
Camp equipment	250.00
Truck	1,000.00
	$8,700.00

$\frac{\$8,700.00}{60}$ = $145.00 per month = 1 month@ $145.00 = $1.93 per foot

Drifting from the 165 foot level of the shaft.

Total drifting = 250 feet
Size of drift = 4-1/2 feet by 6 feet
Rate of progress = 8 feet per day
Time required = 31 days

Labor:	Per day	31 day per month	Cost per foot
1 Superintendent		$650.00	$2.60
1 Bookkeeper (part time)		150.00	0.60
1 Hoistman	$16.00	496.00	1.98
2 Miners @ $20.00	40.00	1,240.00	4.96
2 Muckers @ $16.00	32.00	992.00	3.96
Compensation and insurance @ 18.87%		665.73	2.66
Analyses - 25 samples @ $5.00		125.00	0.50
Equipment rental		145.00	0.58
Powder, caps, fuse		550.20	2.20
Fuel		372.00	1.48
Repair parts			0.50
Trucking			0.50
Vent pine 250 feet		250.00	1.00
Air and water lines		96.00	0.38
Steel and bits			1.00
Carbide		12.40	0.49
Timber 14M		1,120.00	4.48
Lubricating oils and greases			0.25
			$30.12
Add 10% for contingencies			3.01
			$33.12

Independent contracts:	None
To be purchased:	None
To be rented:	None
Rehabilitation and repairs:	None
New buildings, improvements, installations:	None

The applicant should furnish the Government the Owner's Consent to Lien, from:

Original lessors: Jess Nachiondo
Irvin W. Sweeney
James Murdock

and also owner's consent to lien from the four over-riding royalty holders:

Robert S. Palmer
James R. Dutton
Mrs. John M. DelCurto
Roy F. Roseberry

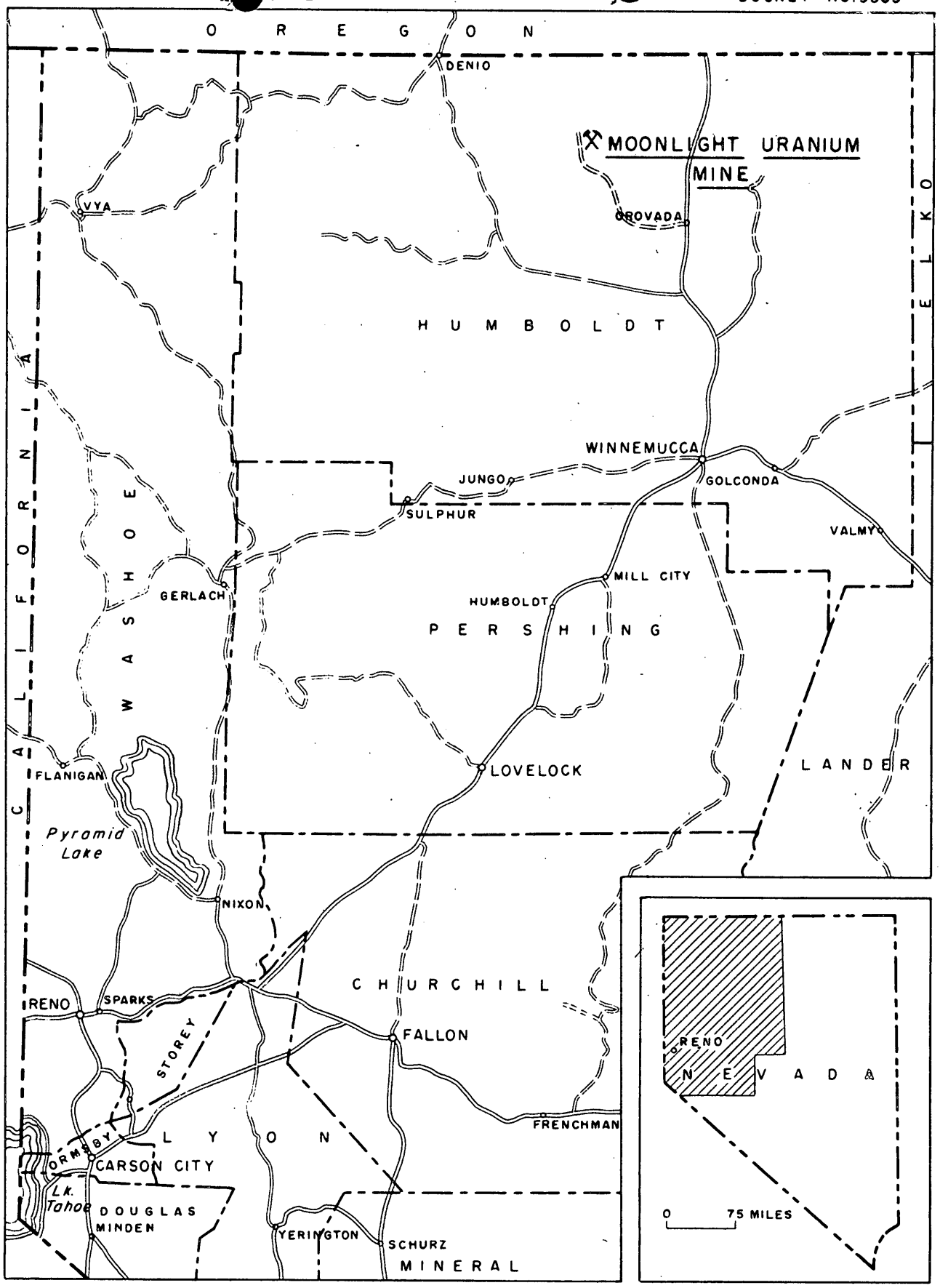
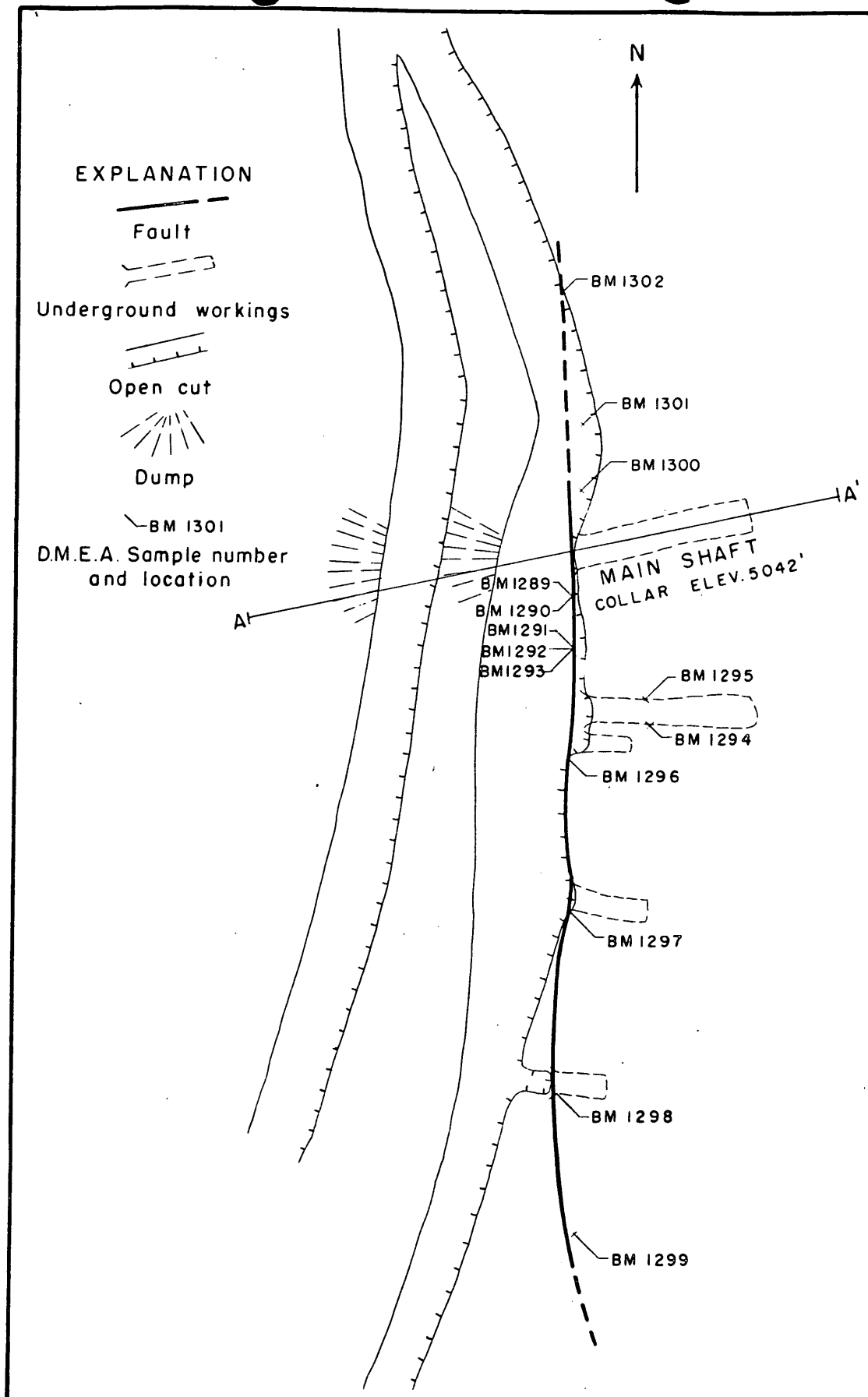


FIG. I INDEX MAP OF NORTH WEST NEVADA

10 0 10 20 MILES

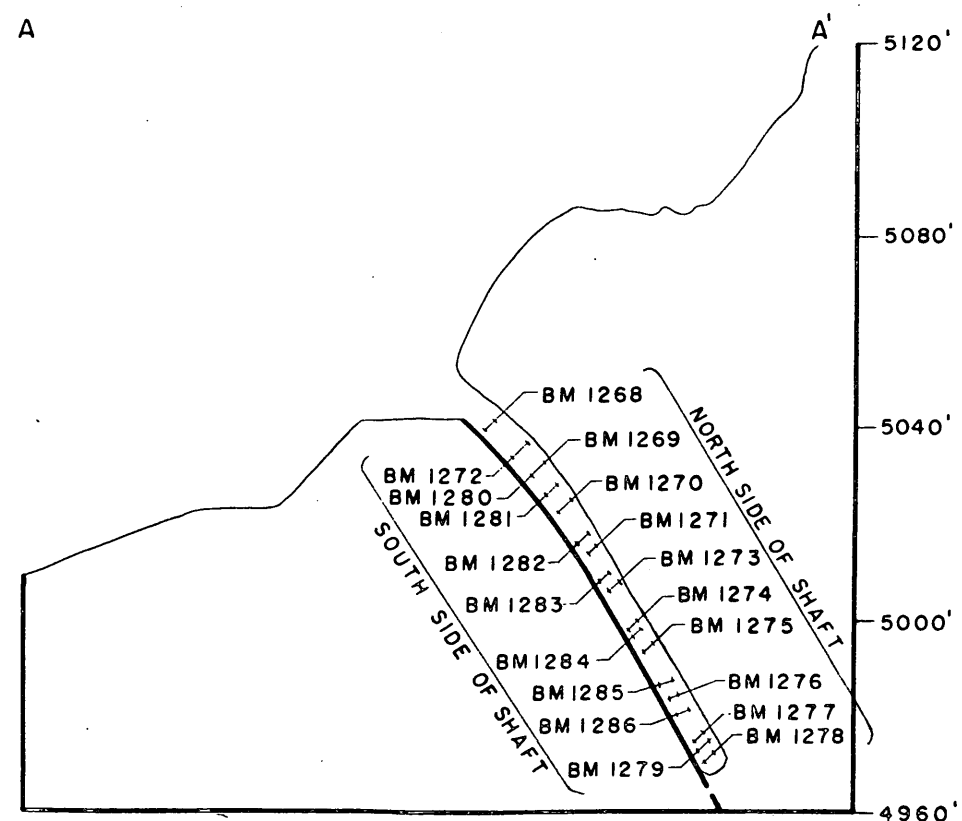


SAMPLE NO.	WIDTH	%eU3O8	%cU3O8
BM 1267	GRAB		* 0.02
BM 1268	2.8'		0.15
BM 1269	3.3'		0.02
BM 1270	4.0'		0.09
BM 1271	1.0'		0.40
BM 1272	5.1'		* 0.02
BM 1273	1.7'		* 0.02
BM 1274	2.9'		* 0.02
BM 1275	4.3'		0.02
BM 1276	1.8'		0.16
BM 1277	2.6'		0.07
BM 1278	3.0'		0.02
BM 1279	4.0'		* 0.02
BM 1280	3.9'		0.20
BM 1281	2.9'		0.15
BM 1282	3.0'		0.08
BM 1283	1.3'		0.11
BM 1284	2.0'		0.05

SAMPLE NO.	WIDTH	%eU3O8	%cU3O8
BM 1285	3.9'		* 0.02
BM 1286	2.3'		0.02
BM 1287	GRAB		* 0.02
BM 1288	GRAB		0.02
BM 1289	1.3'		* 0.02
BM 1290	1.5'		0.02
BM 1291	1.5'		0.07
BM 1292	0.3'		0.19
BM 1293	1.7'		0.02
BM 1294	1.4'		* 0.02
BM 1295	1.5'		0.04
BM 1296	2.8'		0.10
BM 1297	2.0'		0.02
BM 1298	4.5'		0.02
BM 1299	1.0'		* 0.02
BM 1300	3.0'		0.29
BM 1301	1.6'		* 0.02
BM 1302	5.3'		* 0.02

D.M.E.A. SAMPLE LIST

* Less than

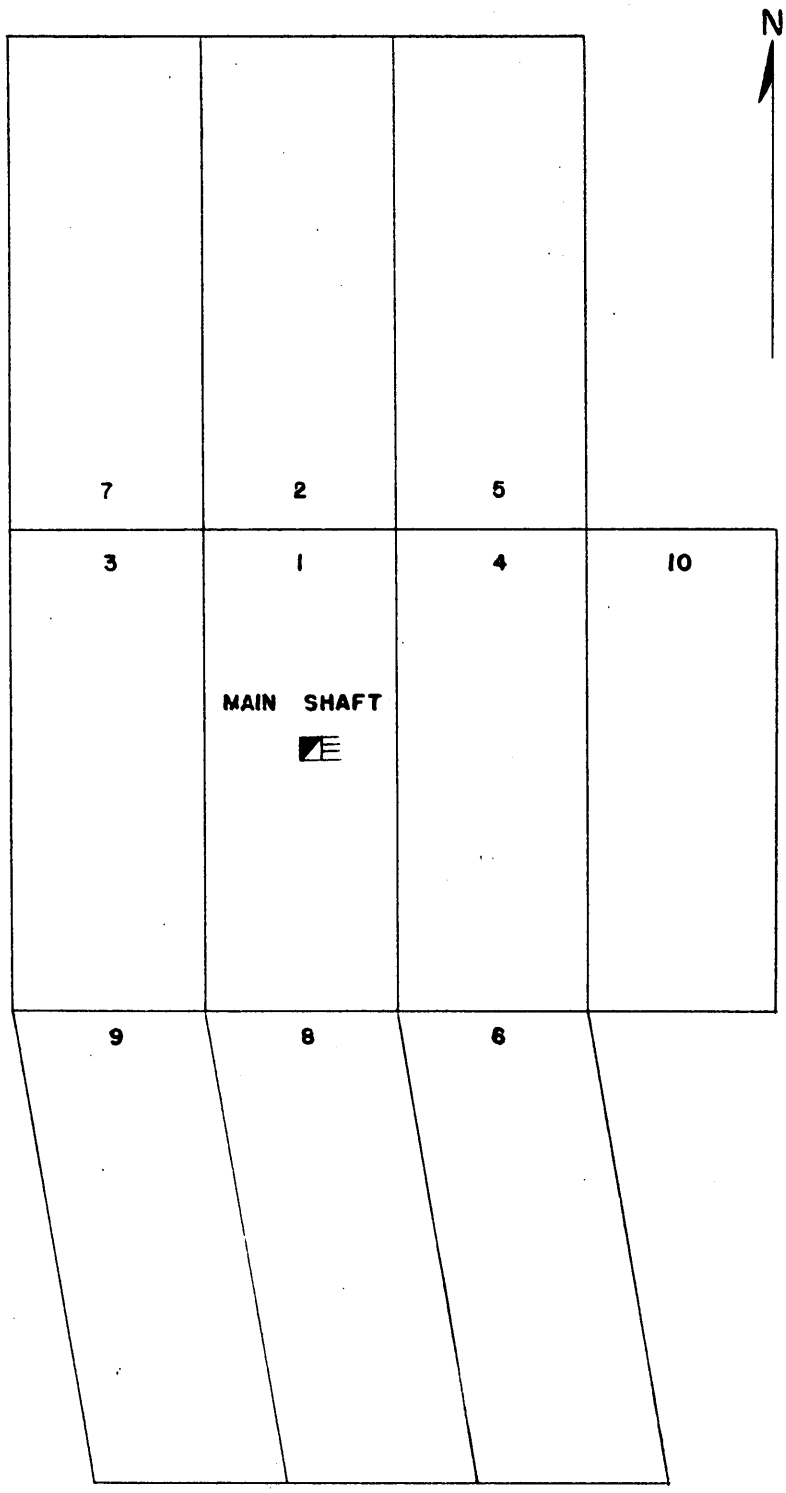


SECTION ALONG LINE A-A'

Samples by G.G. Gentry
U.S. Bureau of Mines

FIG. 3 SAMPLE LOCATION MAP, MOONLIGHT MINE, HUMBOLDT CO., NEVADA

40 0 40 80 FEET



Scale - 1" = 600'

Fig. 4 - Index Map of the Moonlight Claim Group

L E A S E

This AGREEMENT AND LEASE made and entered into this 8th day of August, 1953, by and between JESS RAMONDO, IRVIN W. SWEENEY, and JAMES MURDOCK, of the City of Winnemucca, County of Humboldt, State of Nevada, the parties of the first part, hereinafter called Lessors, and JAMES R. DUTTON and ROBERT S. PALMER, of the City and County of Denver, State of Colorado, the parties of the second part, hereinafter called Lessees,

WITNESSETH: That the said Lessors, for and in consideration of the rents, royalties, covenants and agreements hereinafter expressed to be paid, kept and performed by the said Lessees, and the payment of One Dollar to each of the Lessors, receipt of which is hereby acknowledged, have leased, let and demised, and by these presents do lease, let and demise unto the said Lessees, the following described mining property and mining claims situated in Humboldt County, Nevada, on the East side of Kings River Valley, to-wit:

Moonlight Mine No. 1, recorded in Book 5 of Notices, at Page 20, records of Humboldt County, Nevada.

Moonlight Claim No. 2, recorded in Book 5 of Notices, at Page 21, records of Humboldt County, Nevada.

Moonlight No. 3, recorded in Book 5 of Notices, at Page 21, records of Humboldt County, Nevada.

Moonlight No. 4, recorded in Book 5 of Notices, at Page 22, records of Humboldt County, Nevada.

Moonlight No. 5, recorded in Book 5 of Notices, at Page 22, records of Humboldt County, Nevada.

Moonlight No. 6, recorded in Book 5 of Notices, at Page 23, records of Humboldt County, Nevada.

Moonlight No. 7, recorded in Book 5 of Notices, at Page 23, records of Humboldt County, Nevada.

Moonlight No. 8, recorded in Book 5 of Notices, at Page 24, records of Humboldt County, Nevada.

Moonlight No. 9, recorded in Book 5 of Notices, at Page 24, records of Humboldt County, Nevada.

Moonlight No. 10, recorded in Book 5 of Notices, at Page 25, records of Humboldt County, Nevada.

It is the intention that this lease shall also include all land claimed to be covered by the Lessors under the above described mining claims, and if necessary amended locations shall be made to cover any fractions.

TO HAVE AND TO HOLD the above described premises for the purposes of mining from the 9th day of August, 1963, for the term of thirty-five (35) years.

The said Lessees in consideration of the premises have covenanted, contracted and agreed, and by these presents do covenant, contract and agree to and with the said Lessors, their heirs, executors, administrators and assigns:

(1) Upon the execution of this lease the said Lessees shall have the right to explore and develop said mining claims to and including the 8th day of December, 1953 without the obligation to make payments during the said period of time.

(2) To enter upon said leased premises and to work the same in mine fashion in manner necessary to good and economical mining, so as to take out the greatest amount of ore possible with due regard for the development and preservation of said mine or mining premises, as a workable mining property, and to the special covenants herein contained.

(3) To work and mine said premises as aforesaid, steadily and continuously during the period of this lease; and that any failure to work said premises for at least one hundred (100) eight hour shifts each and every month from the date of this instrument until the 8th day of December, 1953, and at least one hundred and fifty (150) eight hour shifts each and every month thereafter during the term of this lease, or in lieu of the above work provisions, to spend an equivalent amount of money per month, to be computed according to prevailing wage scales, for rental and operation of mining machinery or equipment necessary to explore, develop or mine known or unknown ore bodies, or an equivalent amount spent for technical engineering advice, surveys and maps, may by said Lessors be considered a violation of this covenant.

(4) To repair all old timbering wherever it may become necessary, and to well and sufficiently timber said mine and mining premises at all points where proper and necessary in accordance with good and safe mining; continuing the timbering in the working shafts now upon said premises with timber of the same dimensions as heretofore used, unless it becomes necessary for safety to use larger timbers, in which event timbers of sufficient size for safety and permanent mining shall be used.

(5) To allow the Lessors or their agents from time to time to enter upon and/or descend into all parts of said leased premises, for the purpose of inspection, surveys or taking samples therefrom, and to render to said parties proper assistance in making such reasonable inspections, surveys or examination.

(6) To occupy and hold as the property of the Lessors all cross and parallel lodes, spurs, and mineral deposits of every kind which may be uncovered, disclosed or discovered within said leased ground by the said Lessees, or any person or persons under or in privity with them, with privilege to said Lessees to work and mine the same as part and parcel of said premises.

(7) To keep at all times the drifts, shafts, tunnels and other workings, thoroughly drained and clear of loose rock and rubbish, unless prevented by extraordinary mining casualty.

(8) To stow no waste underground except with the consent and under the direction of the Lessors.

(9) To do no underhand stoping below the bottom of any main working level or winze and to do no stoping or breaking of ore or rock within a reasonable distance of any working shaft.

(10) Not to adulterate or mix any ores broken or mined without the consent of the Lessors; it being understood that all ores mined which may be too low grade for present treatment shall remain the property of and be subject to the control and disposition of the Lessors.

Paragraph 11 by agreement omitted. eliminated ~~(11) To make all working shafts at least four (4) feet by eight (8) feet in the clear, all drifts and tunnels at least three and one-half (3-1/2) feet by six and one-half (6-1/2) feet in the clear, and all winzes and raises at least three and one-half (3-1/2) feet by seven (7) feet in the clear.~~

J.M. J.R.O. P.L.P. J.R.M. H.W.L.

(12) It is expressly understood and agreed that the Lessors reserve the property and the right of property in and to all ores extracted from said premises during the period of this Lease, and the said Lessees covenant and agree to pay and allow the Lessors as royalty upon all ores mined, shipped, treated or sold from said leased premises in any manner during the life of this Lease, as follows, to-wit:

(a) Ten per cent (10%) of the gross value of all ores, of every kind and character, produced from said property during each and every calendar month, together with ten per cent (10%) royalty on any premiums paid to the said Lessees, other than developmental allowances, which must actually be spent for development. Gross value of all ores shall be construed to mean the actual value of the ore as produced at the mine, without deducting any charges for transportation or mine operations. All settlements shall be made upon the gross assay value of the ore, using dry tons.

Provision "b" eliminated by agreement J.M. GRO J.R.M. Y.H.d R.A.P.

~~(b) A minimum royalty of $ _____ per _____ starting after the _____ day of _____, 1953, shall be paid by the said Lessees during the entire term of this Lease, whether or not there are any minerals mined or marketed from the above described mining claims, except when and if Acts of God, Actions of the Government or War intervene.~~

(c) The rights of either parties may be assigned in whole or in part to their assigns, but no change or division in the ownership of the land, rentals or royalties, however accomplished shall operate to enlarge the obligations or diminish the rights of Lessees, and no such change in ownership shall be binding upon Lessees for any purpose until Lessees shall be furnished with certified copy of recorded instrument or other legally authenticated written evidence of such change of ownership.

(d) It is further distinctly understood and agreed that the said Lessees shall and will keep true books of account showing the value and quantity of all ore produced, and to furnish the Lessors with true copies of the same.

(13) The Lessees shall and hereby do assume all responsibility in case of accident to themselves or any of their agents or employees in or about said property; and agree to keep all employees of the said Lessees on the said premises hereby leased or employed in connection therewith, fully insured with the Nevada Industrial Commission, at the sole cost and expense of the said Lessees.

(14) All taxes assessed against said demised premises or for ores mined and/or treated under this Lease shall be paid by the Lessees; and all assessment work on the above named mining claims required by the laws of the United States of America, shall be done and performed at the sole cost and expense of the said Lessees, and shall be completed at least thirty (30) days prior to the date required by the said laws, and due proof of labor shall be filed and recorded in the Office of the County Recorder of Humboldt County, Nevada, by the said Lessees, for and on behalf of the said Lessors; and said Lessees shall and will immediately do all the necessary location work at their sole cost and expense in order to perfect and protect the location of the mining claims hereby leased, strictly in accordance with the laws of the United States of America.

(15) The said Lessors shall in no way be responsible for the debts contracted by the said Lessees and shall not be responsible for money due for work, materials, or supplies, done or used on said premises, by the said Lessees; and the said Lessees shall at all times hold harmless and protect the said Lessors against any and all claims or liens for labor or material furnished to the said Lessees during the term of this Lease; all bills and expenses incurred by the said Lessees or those in privity with them shall be promptly paid by the said Lessees, and by such prompt payment said Lessees shall prevent the filing of any and all liens of miners, mechanics, or material men, against said demised premises.

(16) That the said Lessees shall post upon the said property and premises, notices permitted by law, stating and giving notice that the said Lessors shall not be liable for any labor or materials furnished to the said Lessees.

(17) That the said Lessees shall and will do and perform all work in and upon said property in accordance with the laws of the State of Nevada, and the rules and regulations of the State Mine Inspector of the State of Nevada.

(18) Said Lessees further covenant that no person not in privity with the parties hereto shall be allowed to hold possession of said premises or any part thereof under any pretext whatsoever.

(19) When operations are delayed or interrupted by lack of water, labor or materials, or by fire, storm, flood, war, rebellion, insurrection, riot, strike, differences with workmen, failure of carriers to transport or furnish facilities for transportation, or as a result of some order, requisition or necessity of the government, or by adverse weather conditions, or by any cause whatsoever beyond the control of the Lessees, the time for such delay or interruption shall be not counted against Lessees, anything to the contrary in this lease notwithstanding.

(20) Further, that they will deliver to said Lessors quiet and peaceable possession of said demised premises in good order and condition with all drifts, tunnels and other passages thoroughly drained and cleared of loose rock and rubbish and the said premises ready for immediate continued working, without demand or further notice on the 8th day of August, A.D. 1988, at noon, or at any time previous thereto, upon demand for forfeiture, and it is mutually understood that all machinery, equipment, and tools which may be placed upon said premises by the said Lessees may be removed therefrom within thirty (30) days after the termination of this lease, provided, however, that no such machinery, equipment, or tools shall be so removed while the said Lessees may be in any manner indebted to the said Lessors under any obligation incurred under this Lease.

(21) Upon the violation of any covenant and conditions herein contained, this Lease shall at the option of said Lessors expire, and terminate, and the said premises and the appurtenances and all buildings and other improvements shall become forfeited to the Lessors, and the said Lessors, or their agent may thereupon, after demand in writing for possession, enter upon said premises and dispossess all persons occupying the same, with or without force, and with or without process of law, or at the option of the Lessors the said Lessees and all persons found occupying said premises or any part thereof may be proceeded against as guilty of unlawful detainer.

It is further mutually understood and agreed that all money required to be paid and/or delivered as royalties or otherwise, by the said Lessees shall be paid and/or delivered to the said Lessors, as follows, to-wit:

One-third (1/3) thereof to Jess Nachiondo.

One-third (1/3) thereof to Irvin W. Sweeney.

One-third (1/3) thereof to James Murdock.

(22) It is further mutually understood and agreed that all buildings and permanent improvements shall remain on the premises and become the property of the said Lessors in the event the said Lessees shall fail to make any of said payments as provided herein, or shall forfeit or terminate this lease for any reason whatsoever.

(23) It is further mutually understood and agreed that in the event the said Lessors locate any other mining claim or claims within the vicinity of the mining claims above described, the said Lessees shall have the first right to lease the same from the said Lessors, as a new and separate transaction.

Time is of the essence of this agreement, and each and every clause of this indenture and all the covenants and conditions contained herein expressed or implied shall extend to the successors, heirs, executors, administrators and lawful assigns of all of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have hereunto subscribed their names the day and year first above written.

Irvin W Sweeney

Jess Nachiondo

James R. Murdock

Lessors.

Jesse R. Butler

Robert L. Palmer

Lessees.

STATE OF NEVADA,)
) SS.
COUNTY OF HUMBOLDT.)

On this 8 day of August, A.D. 1953, personally appeared before me, Ted C Moore, a Notary Public in and for said County of Humboldt, State of Nevada, JESS MACHIONDO, IRVIN W. SWEENEY, JAMES MURDOCK, JAMES H. DUTTON AND ROBERT S. PALMER, known to me to be the persons described in and who executed the above and foregoing instrument, who acknowledged to me, each for himself, that they executed the same freely and voluntarily, and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at my Office in said County and State, the day and year in this certificate first above written.

Ted C. Moore
Notary Public in and for the County of Humboldt, State of Nevada.

My Commission Expires:
Aug. 18, 1956

THE AGREEMENT AND LEASE by and between JESS MACHIONDO, IRWIN W. SWEENEY, and JAMES MURDOCK, as Lessors and JAMES R. DUTTON and ROBERT S. PALMER, as Lessees, dated August 6, 1953, recorded in Book of Leases and Contracts _____ at page _____, Records of Humboldt County, Nevada, is hereby modified and supplemented as follows, to-wit:

1. Paragraph (1) page 2 is amended to extend the lessees' right to explore and develop to and including July 1, 1954, which shall extend the time in paragraph (3) accordingly.

2. In addition to the terms contained in the above-described lease lessors agree and consent to lessees applying and securing assistance under the regulations now in effect for Federal financial aid to mine exploration and development, provided the securing of any such assistence shall not diminish or impair the royalty interests of Lessors under this agreement. Lessors agree to execute the subordination agreement required by the Government.

3. This agreement is agreed to by the parties hereto and shall not effect, modify, extend, waive or release any of the terms of the original agreement other than herein specifically referred to.

Dated: November 17, 1953.

Jess Machiondo

Irwin W. Sweeney

James Murdock

Lessors

James R. Dutton

Robert S. Palmer

Lessees

STATE OF NEVADA,)
County of Humboldt.) ss.

On this 17th day of November, A. D. 1953, personally appeared before me, a Notary Public in and for said County and State, JESS MACHIONDO, IRWIN W. SWEENEY, JAMES MURDOCK, JAMES R. DUTTON and ROBERT S. PALMER, known to me to be the persons described in and who executed the foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes described therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at my office in said County and State the day and year in this certificate first above written.

/s/ DONALD M. LEIGHTON
Notary Public in and for said County and State.

My Commission Expires:
September 6, 1957

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, that we, Robert S. Palmer and James R. Dutton, of the City and County of Denver, State of Colorado, the within named grantors, in consideration of the sum of Ten Dollars ($10.00) and other good and valuable considerations to us in hand paid, the receipt whereof is hereby acknowledged, do hereby sell, assign, transfer, set over and convey unto Jack M. Anderson, his heirs and assigns, the lease on the ten Moonlight mining claims located on the East side of Virgin River in Humboldt County, Nevada, and recorded in Book 5 of pages 20 to 25 inclusive, which said lease was obtained on August 8, 1953, from Jess Nachiondo, Irwin W. Sweeney and Gatos Murdock;

To have and to hold the same for the term thereof, subject nevertheless to the conditions therein contained and,

Reserving, however, unto Robert S. Palmer, James R. Dutton, Mrs. John M. Del Curto and Roy F. Roseberry, a 2½% overriding royalty to each of these four named persons; in the determination of these 2½% overriding royalties, there is to be included all bonus payments made by the United States Government through the Atomic Energy Commission or other agent of the United States Government, but there will not be included any development or hauling or exploration allowances paid by the Federal Government or its agents.

The grantors hereby warrant and agree to defend the title to the lease herein described and the grantee agrees to be bound by the terms and conditions of said lease. The grantors further represent that the lease is in full force and effect and that all the terms and conditions to be performed by the lessee have been fully performed and complied with to date.

The privilege of assigning the whole or any part of said lease or the royalties herein contained, is expressly reserved, providing the covenants hereof shall extend to and

be binding upon the parties' heirs, executors, administrators, successors or assigns.

This assignment and agreement, it is the intent of the parties, shall be and does also constitute a bill of sale to the items of personal property located upon the property and owned by the grantors, and this personal property is hereby warranted to be free and clear of all liens and encumbrances; and an inventory thereof is marked Exhibit A and attached to this bill of sale and made a part thereof.

The grantors further promise and agree to obtain:

(a) Subordination agreements and any other instruments that may be necessary or convenient to effect Federal financial aid under a Defense Minerals Exploration Administration, exploration assistance loan; said subordination agreements to be executed by the original lessors and the hereinabove mentioned four overriding royalty holders.

(b) All instruments that may be necessary or convenient to transfer certification with the Atomic Energy Commission and/or the Ore Purchase Agreement with the A.S. and R. Company under its Colorado Plateau Uranium Ore Project.

IN WITNESS WHEREOF, the grantors have hereunto set their hands and seals this 26th day of February, A.D. 1954.

Robert S. Palmer

Robert S. Palmer

James R. Dutton

James R. Dutton

STATE OF COLORADO)
) ss.
City and County of Denver)

Personally appeared before me this 26th day of February, 1954, Robert S. Palmer and James R. Dutton, known to me to be the persons described in the foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes described therein.

In witness whereof, I have hereunto set my hand and affixed my official notarial seal at my office in the City and County of Denver, State of Colorado, this day and year.

My commission expires: 1-5-55

William L. Fromberg

Notary Public.

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, That I, JACK M. ANDERSON, for and in consideration of Ten Dollars ($10.00) and other good and valuable considerations to me in hand paid, receipt whereof is hereby acknowledged, do hereby sell, assign, transfer, set over and convey unto Platora Uranium Corp., all of my right, title and interest in and to the lease originally given by Jess Nachiondo, Irwin W. Sweeney and James Murdock to Robert S. Palmer and James A. Dutton, and by them assigned to me, including the personal property according to the bill of sale located on the property, including all instruments, maps, etc., intending hereby to convey to Platora Uranium Corp. everything I obtained from Palmer and Dutton.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14 day of March, 1954.

Jack M. Anderson

STATE OF COLORADO)
) ss.
City and County of Denver)

Personally appeared before me this 14th day of March, 1954, Jack M. Anderson, known to me to be the person described in the foregoing instrument, who acknowledged to me that he executed the same freely and voluntarily, and for the uses and purposes described herein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official notarial seal at my office in the City and County of Denver, State of Colorado, this day and year.

My commission expires:

Notary Public.

7/22/54 gla

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

420 Custom House
555 Battery Street
San Francisco 11, California

July 21, 1954

Mr. A. N. Sweet, President
Platora Uranium Corporation
405 University Building
Denver 2, Colorado

RE: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Sweet:

In order to expedite the processing of your application for government financial assistance for exploration work at the Moonlight Mine, the Washington office will need six executed copies of Owner's Consent to Lien, signed by the original lessors, Jess Nachiondo, Irwin W. Sweeney and James Murdock.

A set of seven copies of MF-203 form is attached for that purpose. When executed by the lessors kindly mail six copies to:

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

The seventh copy is for your files.

Sincerely yours,

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: DMEA-Washington, D.C.
R. M. Smith-USGS
A. C. Johnson, Reno

RECEIVED

7/22/54 xg

Defense Minerals Administration
RECEIVED
JUL 22 1954

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FOREIGN SERVICE ESCRIBN
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OPERATIONS

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SAN FRANCISCO CALIF 7-21-54 1022AM

C O MITTENFORD ADMINISTRATOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION, INTERIOR BUILDING,

WA

REURTEL JUNE 30 RE PLATORA URANIUM, DOCKET DMEA-3305. ONE COPY FIELD TEAM REPORT BEING AIRMAILED TODAY. OTHER THREE COPIES GOING REGULAR MAIL. APPLICANT BEING REQUESTED TO SEND YOU OWNER,S CONSENT TO LIEN DIRECTLY.

H C MILLER EXECUTIVE OFFICER DMEA FIELD TEAM REGION III

DMEA-3305 ALSO 30

LM 1025AM

No action required until
Field Team report is received
MC

JUL 22 9 41 AM '54

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

7/6/54 gla

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

420 Custom House
555 Battery Street
San Francisco 11, California

July 2, 1954

Air Mail

Memorandum

To: C. O. Mittendorf, Administrator, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

Reference is made to your teletype dated June 30 requesting advice when field team recommendations concerning subject application will be forwarded to Washington.

Attached is a copy of a memorandum from A. C. Johnson, dated July 1, which was received this morning. This memorandum gives the status of the report and a hint that certain exploration under a DMEA contract is to be recommended.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Enclosure

Copy to: R. M. Smith (USGS)
A. C. Johnson, Reno

1605 Evans Ave.

July 1, 1954

Memorandum

To: H. C. Miller, Executive Officer, DMEA Field Team Region III

From: Chief, Mining Division, Region III

Subject: Docket No. DMEA-3305 - Uranium
Platera Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

In reference to your memorandum of June 30, relative to the application for DMEA assistance on the Moonlight Mine in Humboldt County, Nevada:

The section on geology on this property has not been received from the U. S. Geological Survey in Salt Lake City, Utah. It is my understanding that Mr. Taylor and Mr. Powers will be in the Salt Lake office on July 5 to prepare their section of the report, however, recommendations are going to be made for 75 feet of shaft sinking and 400 feet of drifting and crosscutting to test the favorable horizons for uranium mineralization.

In the event the report from the Survey is received the week of July 5, every effort will be made to get the report in your office not later than the week of July 12.

A. C. Johnson

A CJ:gh

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

420 Custom House
555 Battery Street
San Francisco 11, California

July 2, 1954

Air Mail

Memorandum

To: C. O. Mittendorf, Administrator, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

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H. C. Miller
Executive Officer
DMEA Field Team, Region III

Enclosure

Copy to: F. H. Smith (USGS)
A. C. Johnson, Reno

1605 Evans Ave.

July 1, 1954

Memorandum

To: H. C. Miller, Executive Officer, DMEA Field Team Region III

From: Chief, Mining Division, Region III

Subject: Docket No. DMEA-3305 - Uranium
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

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In the event the report from the Survey is received the week of July 5, every effort will be made to get the report in your office not later than the week of July 12.

A. C. Johnson

ACJ:gh

C. O. Mittendorf, Administrator

FILE COPY
SURNAME:

Defense Minerals Exploration Administration
14X4401(01) Revolving Fund, Defense Production Act, Interior
(allocated Working Fund to Office of Sec'y)

TYPE

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

JUN 30 1954

Mr. H. C. Miller
Executive Officer
DMEA Field Team, Region III
420 Custom House
San Francisco 11, California

Re Platora Urandum docket DMEA-3305.

Being pressed for early decision subject application. Please advise when field team recommendations will be forwarded.

C. O. Mittendorf (fw)

C. O. Mittendorf, Administrator

COMittendorf/fw
6/30/54

cc: Admr. Reading File
Mails& Files
Rare Metals Div.

R.C.S.

700

Docket
Surname

Ching
Ellis
Thayer
Hedger
Selfridge
Kyhman

MAY 1 0 1954

Platora Uranium Corporation
405 University Building
Denver 2, Colorado

Re: Docket No. DMA-3305 (Uranium)
Moonlight Mine
Humboldt County, Nevada

Gentlemen:

The application for assistance in exploring your property under the above captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred for a field examination to the Executive Officer of Region III at the following address:

Mr. H. L. Miller
Executive Officer, Region III
DMEA Field Team
1012 Flood Building
870 Market Street
San Francisco 2, California

The Regional Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

C. O. Mittenderf (for)

Administrator

MChing/foc
5-5-54
cc to: Adm. Reading File
Docket
Code 700
Operating Comm.
Mr. Ching
DMEA Field Team, Region III (2)

R.C.S.

Surname
Docket copy

700

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

Ching
Ely
Selfridge
Peterson

Mr. H. C. Miller
Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

MAY 10 1954

Re: Docket No. DMEA-3305 (Uranium)
Platora Uranium Corporation
Moonlight Mine
Humboldt County, Nevada

Dear Mr. Miller:

The subject application is being referred to you for investigation and recommendation. A copy of the application is already in your files.

Enclosed are two copies each of comments and recommendations relative to the application by H. D. Keiser and Arthur P. Butler, Jr., of the Uranium Commodity Committee, dated April 12 and April 27, 1954, respectively.

In the event a contract is recommended by the Field Team it would be necessary to secure an Owner's Consent to Lien from the original lessors, Jess Nachiendo, Irvin W. Sweeney, and James Murdock. Another Owner's Consent to Lien would be required from the four overriding royalty holders, Robert S. Palmer, James R. Dutton, Mrs. John M. Del Curto and Roy F. Roseberry.

The project as set up by the Applicant provides for three phases with the work of each succeeding phase dependent upon the results of the preceding stage or stages. The so-called Phase IV evidently is meant to cover supervision and technical services for the first three phases plus some surface trenching, scintillometer evaluation and geologic mapping, which could very well be included as part of Phase I work. However, the Applicant fails to detail the amount and mode of surface trenching, and the corresponding costs.

Supervision and engineering appear to be excessive at $1500 per month. Assaying, office expenses and accounting should be detailed separately under miscellaneous costs.

Presumably, Applicant plans to do the proposed shaft sinking, drifting, and diamond drilling under independent contracts. If such is the case, it should be ascertained exactly what categories of costs are to be covered by such independent contracts as distinguished from all other costs.

R.C.S.

Applicant proposes to do shaft sinking and drifting under independent contracts, but, at the same time, proposes to extract ore and waste selectively, thus increasing the cost substantially. The DMEA, of course, cannot be expected to participate in such added costs which, presumably, are reflected in the proposed independent contract prices for sinking and drifting.

Applicant wishes to furnish certain equipment under Phase I and proposes to charge a rental of $250.00 per month for such equipment. A depreciation charge which would be dependent on the value of the equipment would be allowable in place of the rental charge, and such existing facilities as the gallows frame and ore bin cannot be included as equipment subject to depreciation. Applicant makes no provisions for such charges under Phases II and III.

The foregoing comments are intended to bring out some weak points in the application which are apparent to us. If, after a field investigation, the Field Team recommends an exploration contract, it is suggested that you consult with the Applicant, furnish all necessary details, and outline the form of contract that appears most satisfactory in this case.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (2+B)

Enclosures 4

APPROVED:

J. H. Hedges

Member, Bureau of Mines (2+2)

T. P. Thayer

Member, Geological Survey (2+2)

MChing/foo/gla
5-5-54
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. APButler, Jr., Rm. 3212, GSA
JOHosted, Rm. 3210
HDKeiser, Rm. 3641
Code 700
MChing
DMEA Field Team, Region III

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNME

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

DATE: April 27, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 30 1954

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

SUBJECT: Application, DMEA Docket No. 3305 (Uranium), Application of Platora Uranium Corporation, Denver, Colorado, lessee of Moonlight Mines, Secs. 9 and 16, T. 45 N., R. 34 E., Humboldt County, Nevada

The property consists of 10 claims in the King's River Valley, Humboldt County, Nevada in Secs. 9 and 16, T 45 N, R 34 E. The deposit is principally metaautunite which is concentrated in the hanging-wall of a north-south fault at intersections with small cross-fractures. The fault dips about 55 ° east. The application reports a change in mineralogy to carnotite and uraninite with depth. At present, a 65 foot inclined shaft, and various trenches and bulldozer cuts, are the only workings on the property. The proposed exploration program consists of four phases:

1) Extend inclined shaft 150 feet.

2) Drive at least 250 feet of drift north and south of the shaft.

3) Cut drill stations every 50 feet along drift, and drill about 5,000 feet of hole to search for parallel zones.

4) Surface trenching, geologic mapping and scintillometer evaluation.

Total cost is estimated at $61,900.

The only available information on the Moonlight Mine in our files is contained in brief, scattered paragraphs in Monthly Reports of the Salt Lake Exploration Branch, Atomic Energy Commission, and in Preliminary Reconnaissance Reports of the Atomic Energy Commission. No mention is made in these reports of a change in mineralogy with depth. Commission geologists report the country rock as altered rhyolite; the applicant reports it as andesite. The application mentions two cars of ore shipped which averaged 0.21 percent and 0.17 percent U_3O_8. It does not mention 3 other cars shipped in November 1953, which were not of ore grade. The technical report accompanying the application states that no stoping has been done. The AEC report for November 1953 mentions two underhand stopes 33 feet and 17 feet deep. An assay sheet from the Brown Laboratory, described as attached to the application, was not included.

The reported change of mineralogy with depth should be checked carefully by the Field Team, and supported by adequate sample data. The change may indicate high-grade primary ore in depth, or it may be a reflection of near surface enrichment of uranium. A decrease in grade with depth is a common characteristic of vein-type uranium deposits of the Basin and Range Province. This might best be evaluated by a series of samples across the mineralized zone, taken down the present shaft. The examination should also include a search on the surface for parallel mineralized zones. If parallel mineralized zones can be found on the surface, as outlined in proposed phase 4, the drilling in phase 3 might be unnecessary.

If the results of sampling suggest a decrease in grade with depth, the extension of the shaft cannot be justified. Since the potentialities of the deposit depend on its lateral extent as well, drifting from the present bottom of the shaft should be considered. If the drifting outlines are beyond the limits of the shaft, and the immediate vicinity of the cross-fractures, depth extension might best be explored by drill holes from the surface.

Recommendation

I recommend that the application be referred to the Field Team for review and evaluation of its merit and of the details of any exploration that may be warranted. Because Atomic Energy Commission personnel have examined and have first hand knowledge of the property, I suggest that examining members of the Field Team consult with Mr. E. E. Thurlow, Chief, Salt Lake Exploration Branch, Atomic Energy Commission, under whose supervision the property was investigated.

Copies to: E. Wm. Ellis (2)

Arthur P. Butler, Jr.

TELETYPE

XXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXX

DMEA Department of the Interior
14X5001(01) Revolving Fund
Defense Production Act, Interior
(Allocated Working Fund to the
Office of the Secy.)

Docket
Surname
Ching
Ellis

APR 29 1954

Mr. Arthur M. Sweet, President
Plateau Uranium Corporation
405 University Building
Denver 2, Colorado

Reurtel April 26 Moonlight Mine DMEA-3305. Application under study by Uranium Commodity Committee. May be necessary refer application to our Field Team for field investigation. Some further delay necessary.

C. O. Mittendorf

C. O. Mittendorf,
Administrator
Defense Minerals Exploration
Administration

MChing:fog
4-29-54
cc to: Admr. Reading File
Docket
Messrs. H. D. Keiser, Rm. 3641
A. P. Butler, Jr. % TEPCO, Rm. 3212, GSA
J. O. Hosted, Rm. 3210 - GSA
Mr. Ching
Code 700

SENT
APR 29 1954
Clerical Service Section

R.C.B.

S OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

W. P. MARSHALL, PRESIDENT

FX-1201

(48)..

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=Int'l Letter Telegram

VLT=Int'l Victory Ltr.

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

SB138 KD306

APR 28 PM 5 27

DEPARTMENT
Defense Mine
R

K.DVA492 PD=DENVER COLO 28 240PMM=

C O MITTENDORF, DEFENSE MINERALS EXPLORATION

ADMINISTRATION=DEPT THE INTERIOR WASHDC=

APR 29 1954

¶ IN RE: EXPLORATION ASSISTANCE

¶ MOONLIGHT MINE

¶ DMEA-3305

¶ MAY I IMPOSE UPON YOUR GOOD OFFICES TO ADVISE ME OF THE PROGRESS OF OUR APPLICATION IN REFERENCE TO THE ABOVE.

KINDEST PERSONAL REGARDS=

PLATORA URANIUM CORP ARTHUR N SWEET PRESIDENT

405 UNIVERSITY BUILDING DENVER 2 COLORADO=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

4/13/54 gla

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

April 12, 1954

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3305, Platora Uranium Corporation, 405 University Building, Denver 2, Colorado

I have reviewed the application included in the subject docket and discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

It is recommended that the application be forwarded to the Field Team for investigation and report, and that the Field Team be requested to discuss the application with Ernest E. Thurlow, representative of the Atomic Energy Commission at Salt Lake City, Utah.

H. D. Keiser

H. D. Keiser

Attachment

Platora Uranium Corp.
405 University Bldg.
Denver 2, Colorado

April 9, 1954
Subject: DMEA-3305
Re: Exploration Assistance
Moonlight Mine

Gentlemen:

The receipt of your application dated April 1, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3305 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-3305 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operation's Control
and Statistics Division

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

April 9, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region III.

DMEA-3305 Platora Uranium Corp.

Robert E. Adams
Chief, Operation's Control
and Statistics Division

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR - 9 1954

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

April 5, 1954

Memorandum

To: Defense Minerals Exploration Administration,
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application Forms MF-103 - Uranium
Platora Uranium Corporation
405 University Building, Denver 2, Colorado

Attached are three sets of MF-103 forms received in our mail from Mr. Arthur N. Sweet, President, Platora Uranium Corporation, making application for an exploration loan on the Moonlight Mine in Humboldt County, Nevada. The fourth set has been retained for our records.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

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

APR 9 1954

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

April 5, 1954

Memorandum

To: Defense Minerals Exploration Administration,
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application Forms MF-103 - Uranium
Platora Uranium Corporation
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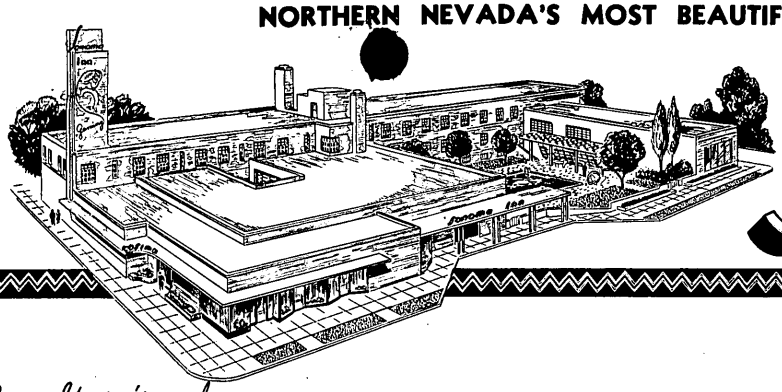
H. C. Miller

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

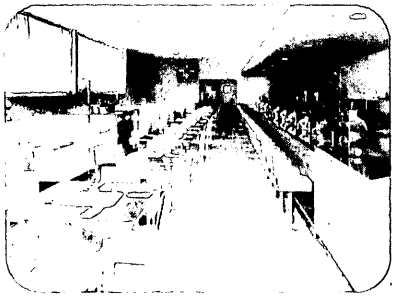
NORTHERN NEVADA'S MOST BEAUTIFUL RESORT AND HOTEL



Sonoma Inn

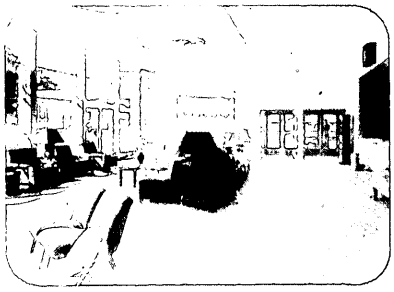
WINNEMUCCA, NEVADA

Open Year 'round



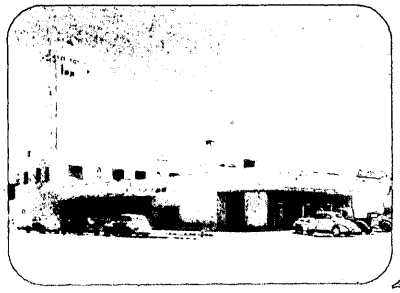
COFFEE SHOP

CRYSTAL POOL



MAIN LOBBY

OVAL DINING ROOM



PARTIAL VIEW OF INN

July 21, 1954

Mr. C. O. Mittendorf, Administrator
D.M.E.A.
INTERIOR Bldg.
Washington 25. D.C.

Dear Mr Mittendorf:

Mr Miller just advised me by phone that the papers re Platora Uranium Corp are enroute to your office and that he had written me to Denver re the subordination agreement.

I am sending 6 copies of the agreement from both the owners + original Lessees from Winnemucca, enclosed herein.

You will note these birds were worried that their original agreements might be impaired so I allowed the insertion which we all know is unnecessary by virtue of the Government clause, but ignorant men cannot read this fine print.

I thank you in advance for your cooperation.

Very truly
Platora Uranium Corp
By A. D. Lovell, P.

407 University Bldg, Denver Colo

AIR-CONDITIONED ROOMS • BAR • CASINO • COCKTAIL LOUNGE • DINING ROOM • COFFEE SHOP

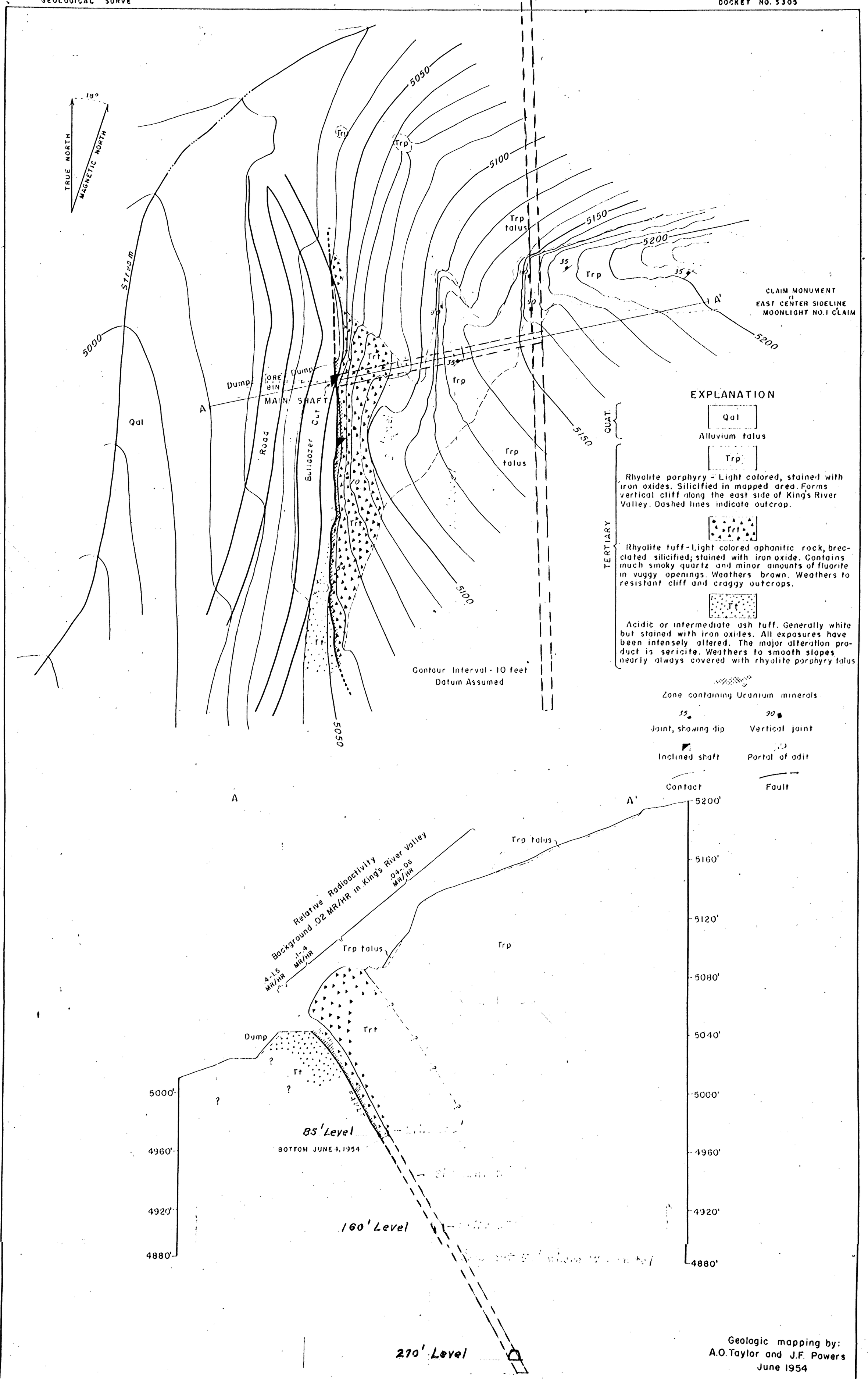
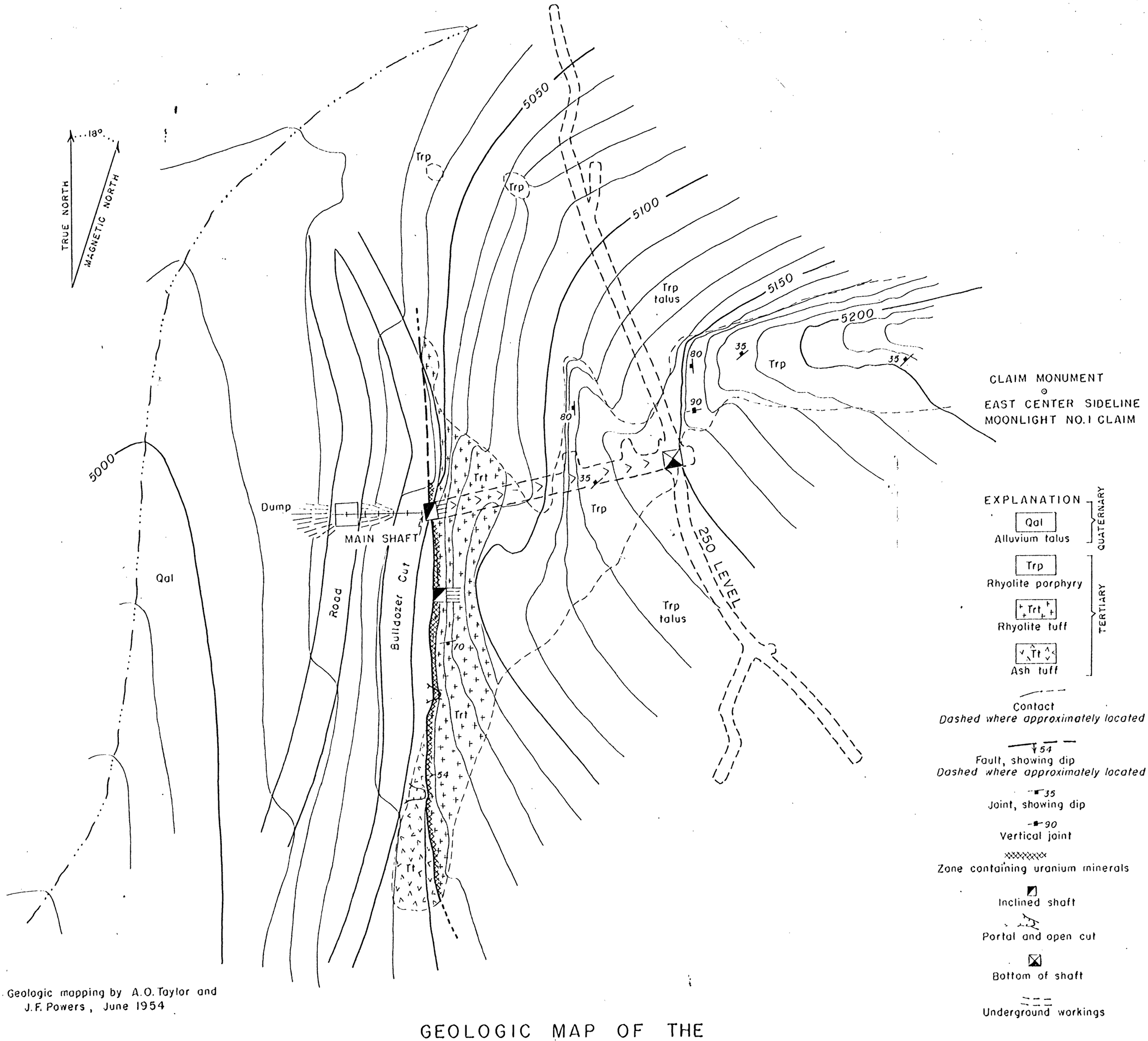


FIG. 2 GEOLOGIC MAP AND CROSS SECTION OF THE MOONLIGHT URANIUM MINE
HUMBOLDT COUNTY, NEVADA

40 0 40 80 FEET

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3305
Idm E-697
(URANIUM)



Geologic mapping by A.O. Taylor and J.F. Powers, June 1954

GEOLOGIC MAP OF THE MOONLIGHT MINE, HUMBOLDT COUNTY, NEVADA

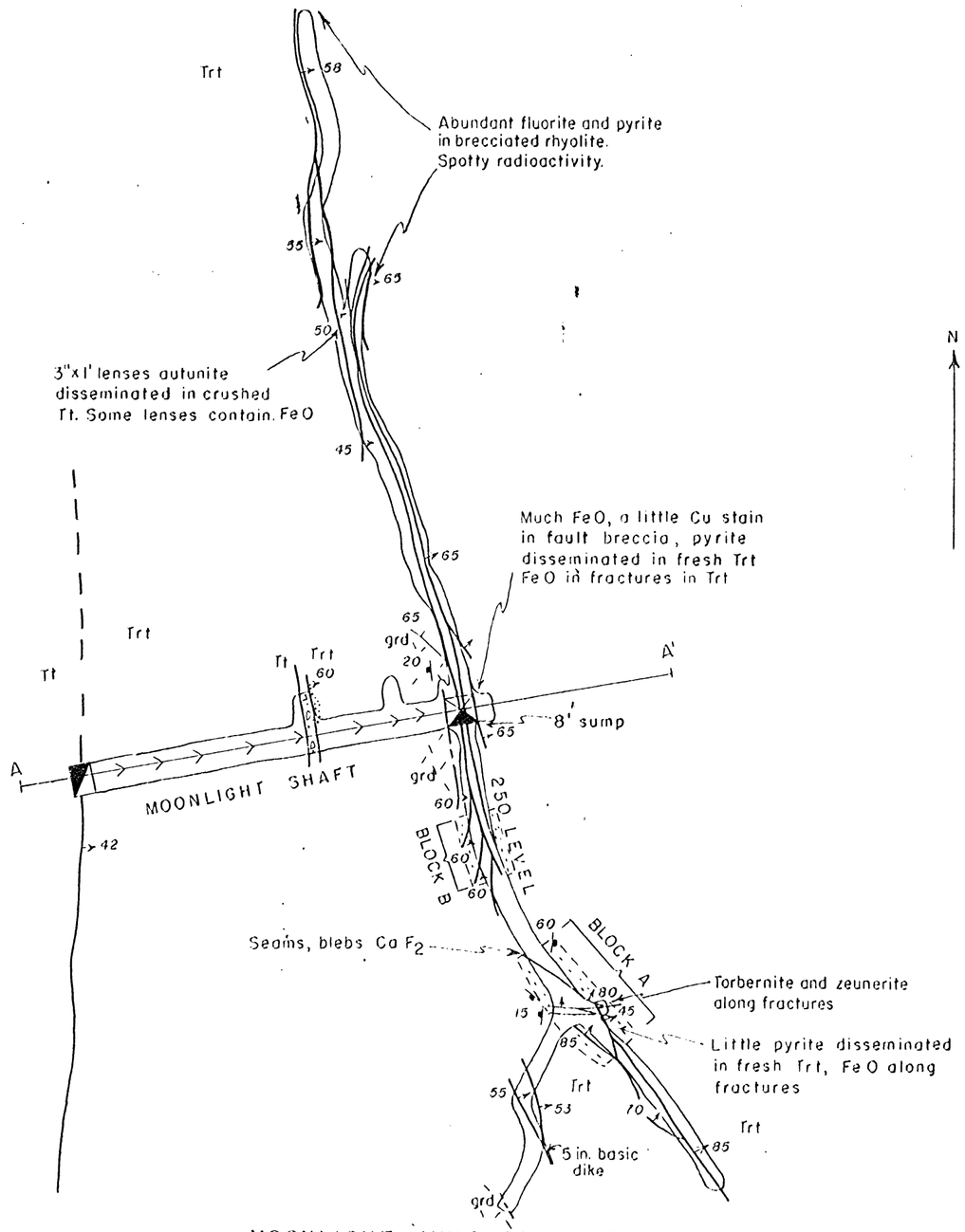
40 0 40 80 FEET

Contour interval 10 feet
Datum assumed

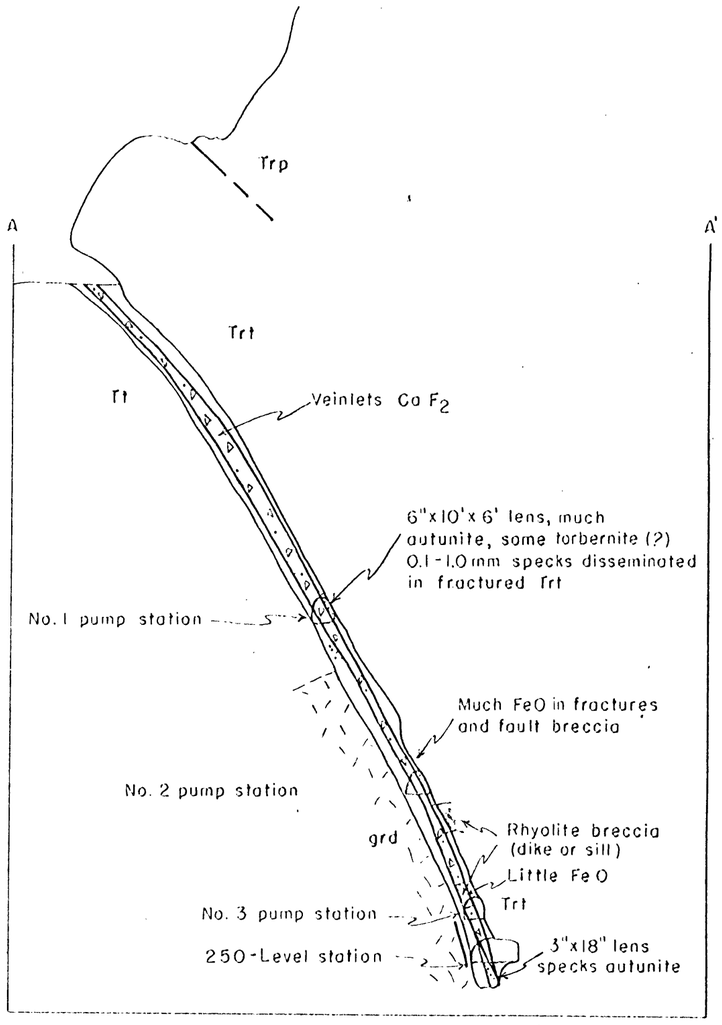
Figure 3

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3305
Idm E697
(URANIUM)



MOONLIGHT MINE 250-FOOT LEVEL



SECTION ALONG LINE A-A'

EXPLANATION

Trp — Rhyolite porphyry

Trt — Aphanitic rhyolite tuff

Tt — Rhyolite ash tuff

grd — Granodiorite

65 — Contact, showing dip

65 — Fault, showing dip
Dashed where approximately located

Fault breccia

60 — Strike and dip of joints or fractures

Uranium minerals
Showing intensity of mineralization

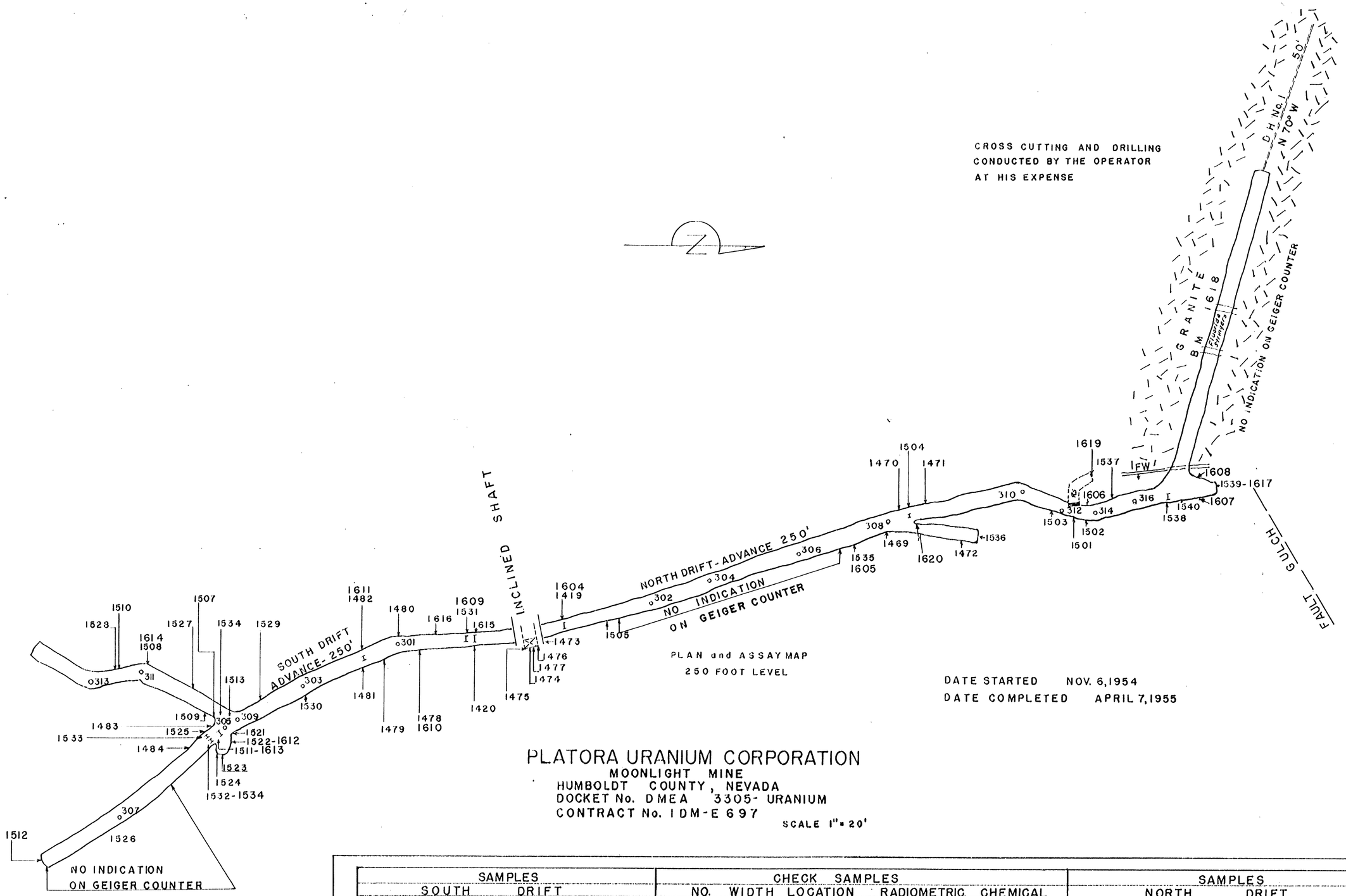
Inclined shaft at surface

Base from Company map
Geology by R. M. Smith and H.K. Stager, 1955

MOONLIGHT MINE, HUMBOLDT COUNTY, NEVADA

40 0 40 80 FEET

Figure 4



PLATORA URANIUM CORPORATION

MOONLIGHT MINE
HUMBOLDT COUNTY, NEVADA
DOCKET No. DMEA 3305- URANIUM
CONTRACT No. IDM-E 697

SCALE 1" = 20'

SAMPLES SOUTH DRIFT			
No.	WIDTH	RADIOMETRIC U_3O_8	CHEMICAL U_3O_8
BM 1420	3.3 FT.	0.069	
" 1478	1.5 "	0.142	0.05
" 1479	2.3 "	0.075	0.04
" 1480	1.5 "	0.063	0.05
" 1481	2.2 "	0.10	0.06
" 1482	1.2 "	0.11	0.05
" 1483	1.2 "	0.12	0.12
" 1484	2.4 "	0.13	0.10
" 1507	3.6 "	0.047	
" 1508	4.4 "	0.055	
" 1509	5.0 "	0.11	0.05
" 1510	4.0 "	0.014	
" 1511	3.0 "	0.17	0.11
" 1512	4.3 "	0.01	
" 1513	SPECIMEN	0.20	0.07
" 1521	panned sulphides	0.59	0.17
" 1522	2.0 FT.	0.23	0.22
" 1523	1.4 "	0.14	0.15
" 1524	1.8 "	0.02	
" 1525	1.2 "	0.05	
" 1528	1.4 "	0.02	
" 1527	3.7 "	0.015	
" 1528	2.6 "	0.03	
" 1529	3.4 "	0.09	
" 1530	2.8 "	0.04	
" 1531	2.0 "	0.08	
" 1532	1.6 "	0.15	0.11
" 1533	3.8 "	0.12	0.06
" 1534	GRAB	0.09	

CHECK SAMPLES				
NO.	WIDTH	LOCATION	RADIOMETRIC U_3O_8	CHEMICAL U_3O_8
BM 1604	2.1 FT	NORTH DRIFT	0.03	
1605	3.3 "		0.15	0.05
1606	2.8 "		0.13	0.08
1607	2.1 "	"	0.12	0.05
1608	2.1 "	"	0.08	
1609	1.9 "	SOUTH DRIFT	0.07	
1610	4.3 "	"	0.20	0.05
1611	1.7 "	"	0.22	0.06
1612	2.0 "	"	0.25	0.25
1613	1.7 "	"	0.26	0.20
1614	4.0 "	"	0.05	
1615	1.0 "	"	0.04	
1616	2.5 "	"	0.04	
1617	1.7 "	NORTH DRIFT	0.14	0.09
1618	CHIP 75' LENGTH	X-CUT	0.01	
1619	2.7 FT	RAISE	0.10	0.05
1620	2.1	NORTH DRIFT	0.16	0.08

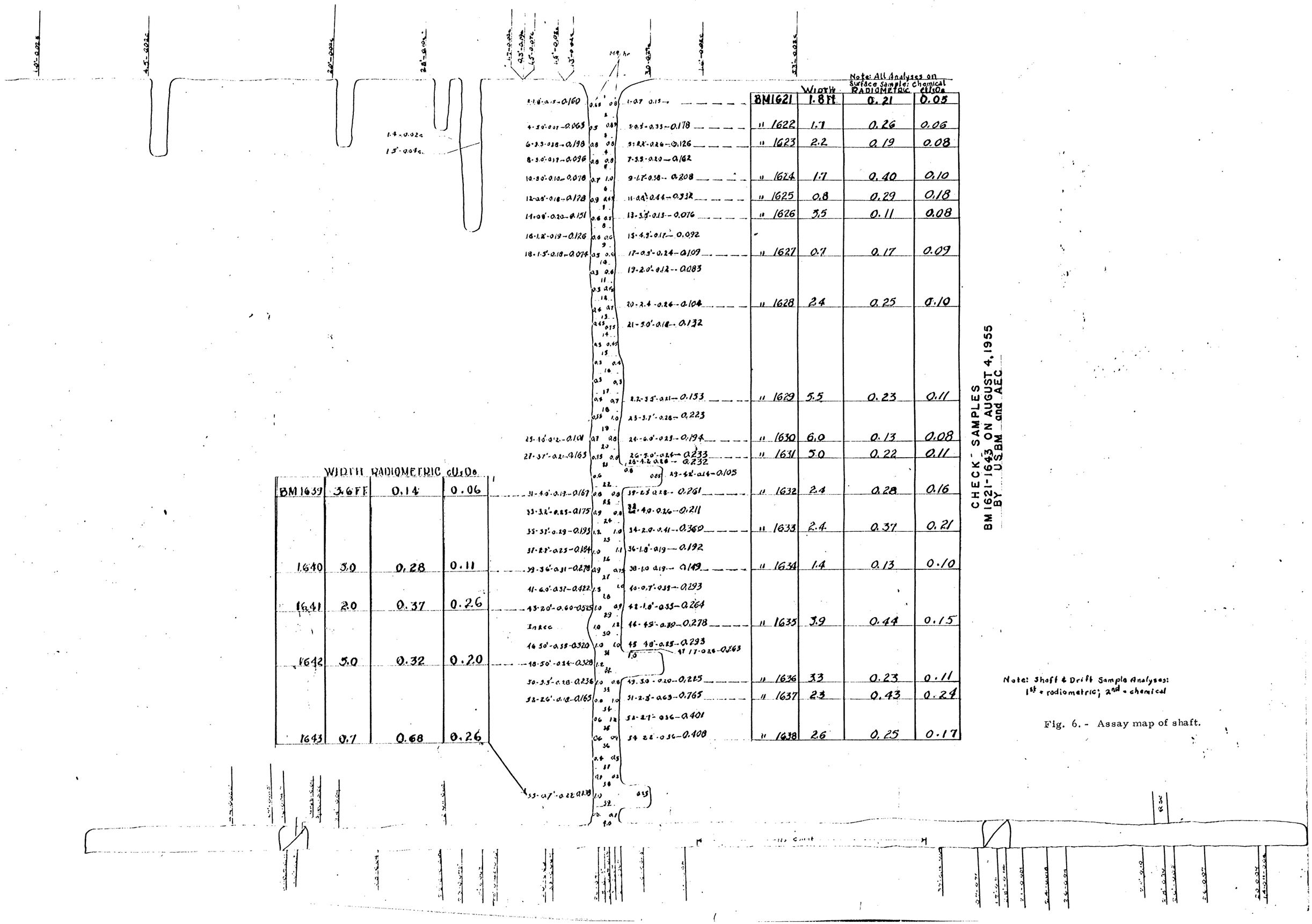
SAMPLES NORTH DRIFT			
No.	WIDTH	RADIOMETRIC U_3O_8	CHEMICAL U_3O_8
BM 1419	3.0 FT	0.025	
" 1469	0.7	0.071	
" 1470	1.7	0.11	
" 1471	2.1	0.081	
" 1472	2.4	0.018	
" 1501	2.8	0.30	0.09
" 1502	2.6	0.05	
" 1503	2.5	0.10	0.03
" 1504	2.8	0.14	0.02
" 1505	1.5	0.08	
" 1535	3.3	0.12	0.04
" 1536	2.6	0.04	
" 1537	2.6	0.07	
" 1538	2.0	0.09	
" 1539	2.7	0.16	0.07
" 1540	1.9	0.11	0.04
		SUMP	
" 1473	2.4	0.067	0.07
" 1474	1.8	0.15	0.17
" 1475	2.0	0.071	0.05
" 1476	3.0	0.027	
" 1477	0.5	0.84	0.19
		OZS-T AU AG	% Cu
1537		0.01 6.4	178

FIGURE 5

PLANE OF VEIN SECTION
WEST
MOONLIGHT MINE

SCALE 1" = 20'

SHAFT SAMPLES = A.E.C.
ALL OTHERS = OMEA



	Width	Radiometric	cU_3O_8
BM 1639	3.6 FT	0.14	0.06
1640	3.0	0.28	0.11
1641	2.0	0.37	0.26
1642	5.0	0.32	0.20
1643	0.7	0.68	0.26

Note: All Analyses on Surface Samples: Chemical

	Width	Radiometric	cU_3O_8
BM1621	1.8 ft	0.21	0.05
" 1622	1.7	0.26	0.06
" 1623	2.2	0.19	0.08
" 1624	1.7	0.40	0.10
" 1625	0.8	0.29	0.18
" 1626	3.5	0.11	0.08
" 1627	0.7	0.17	0.09
" 1628	2.4	0.25	0.10
" 1629	5.5	0.23	0.11
" 1630	6.0	0.13	0.08
" 1631	5.0	0.22	0.11
" 1632	2.4	0.28	0.16
" 1633	2.4	0.37	0.21
" 1634	1.4	0.13	0.10
" 1635	3.9	0.44	0.15
" 1636	3.3	0.23	0.11
" 1637	2.3	0.43	0.24
" 1638	2.6	0.25	0.17

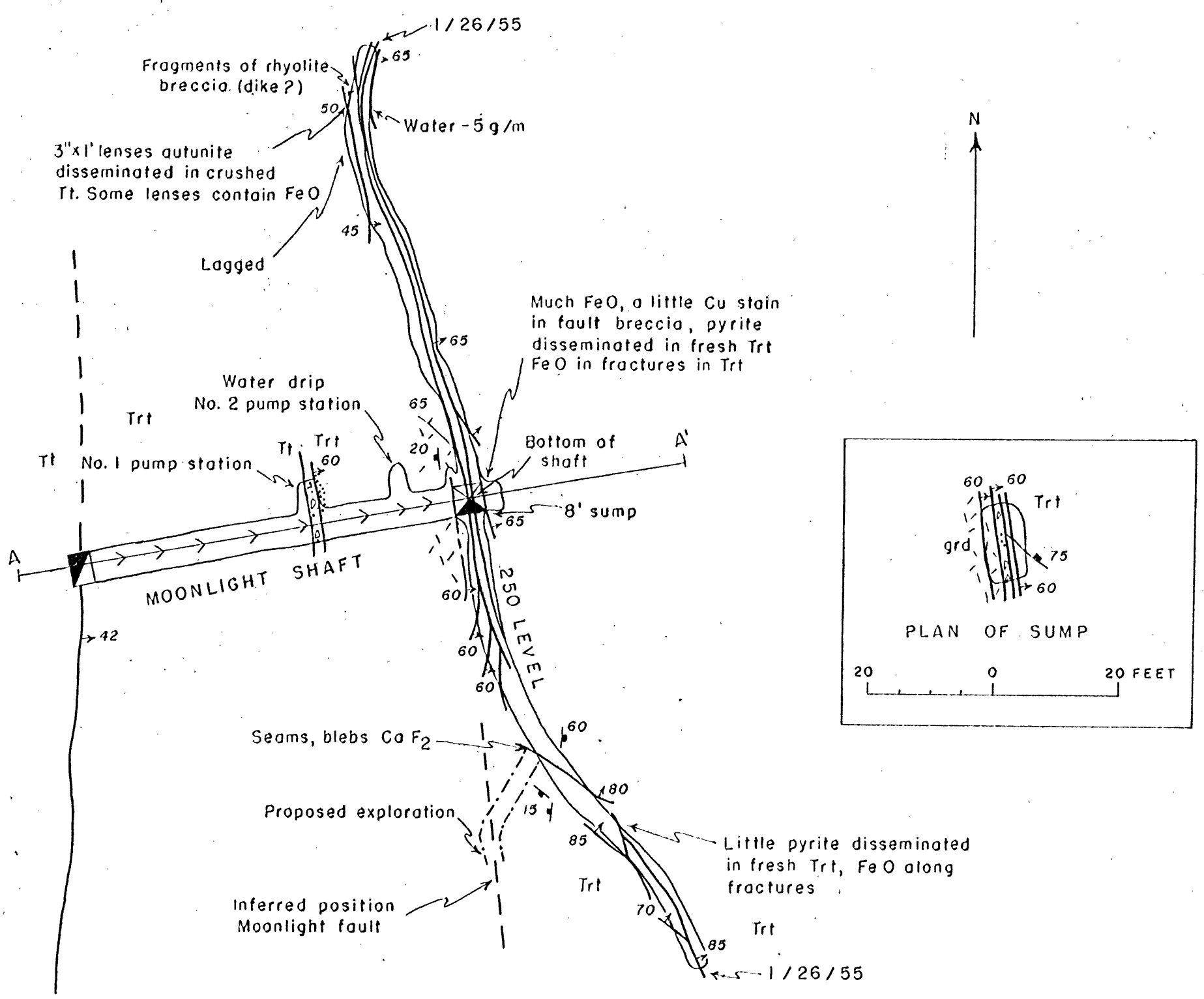
CHECK SAMPLES
BM 1621-1643 ON AUGUST 4, 1955
BY USBM and AEC

Note: Shaft & Drift Sample Analyses:
1st = radiometric; 2nd = chemical

Fig. 6. - Assay map of shaft.

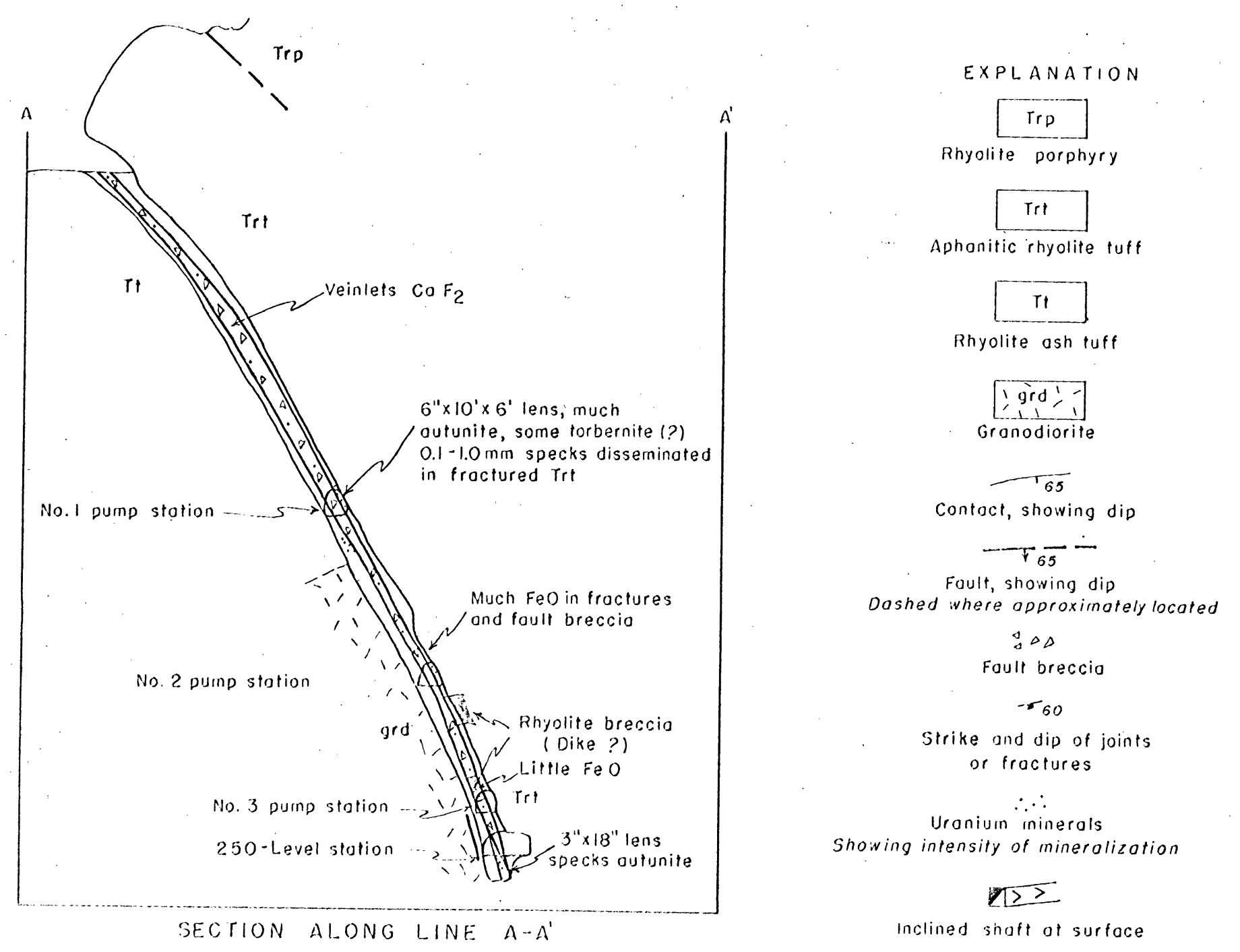
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3305
Idm E697
(URANIUM)



MOONLIGHT MINE 250-FOOT LEVEL

Base from Company map
Geology by R.M.Smith, 1955

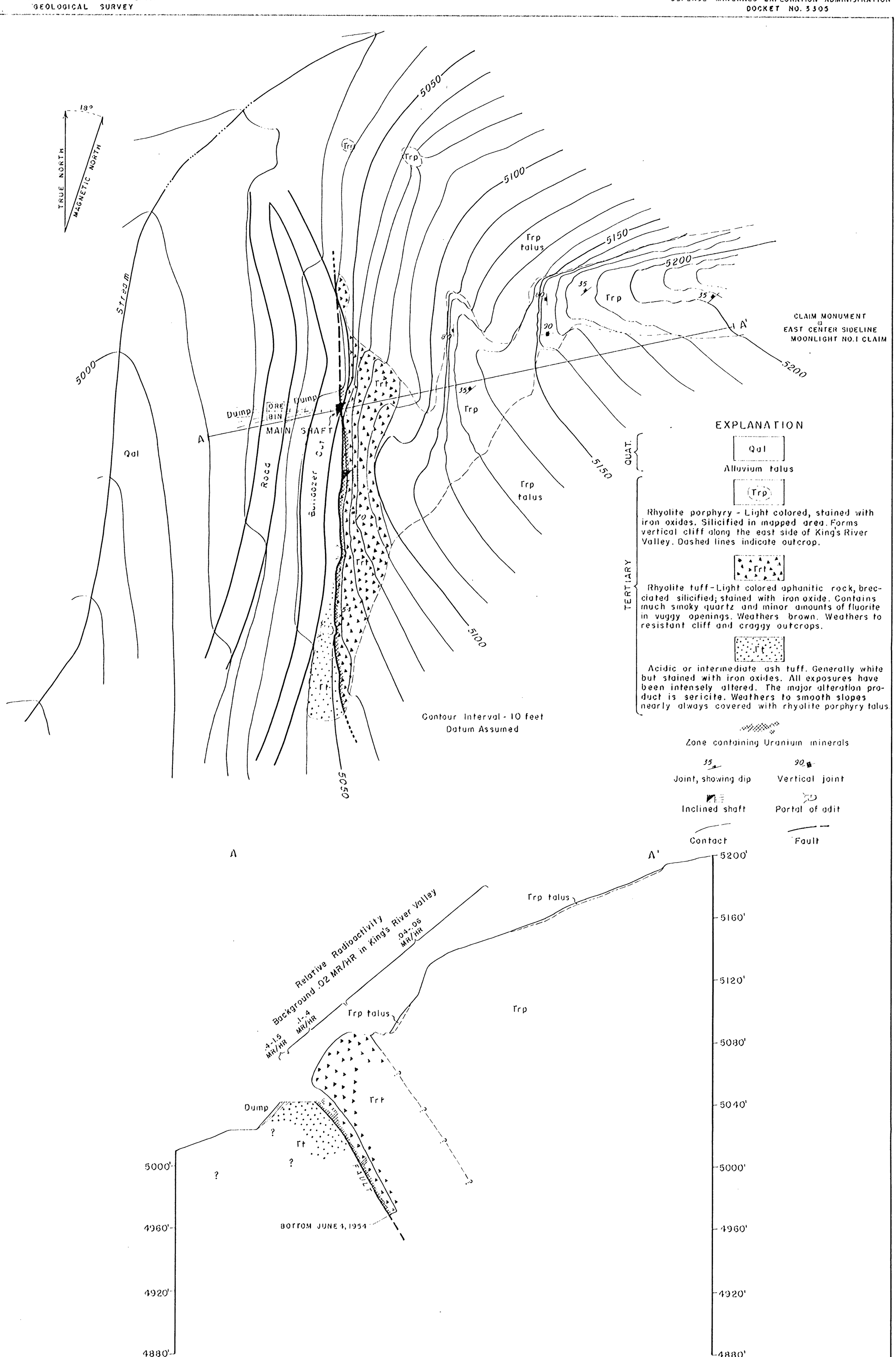


SECTION ALONG LINE A-A'

MOONLIGHT MINE, HUMBOLDT COUNTY, NEVADA

40 0 40 80 FEET

Figure 2



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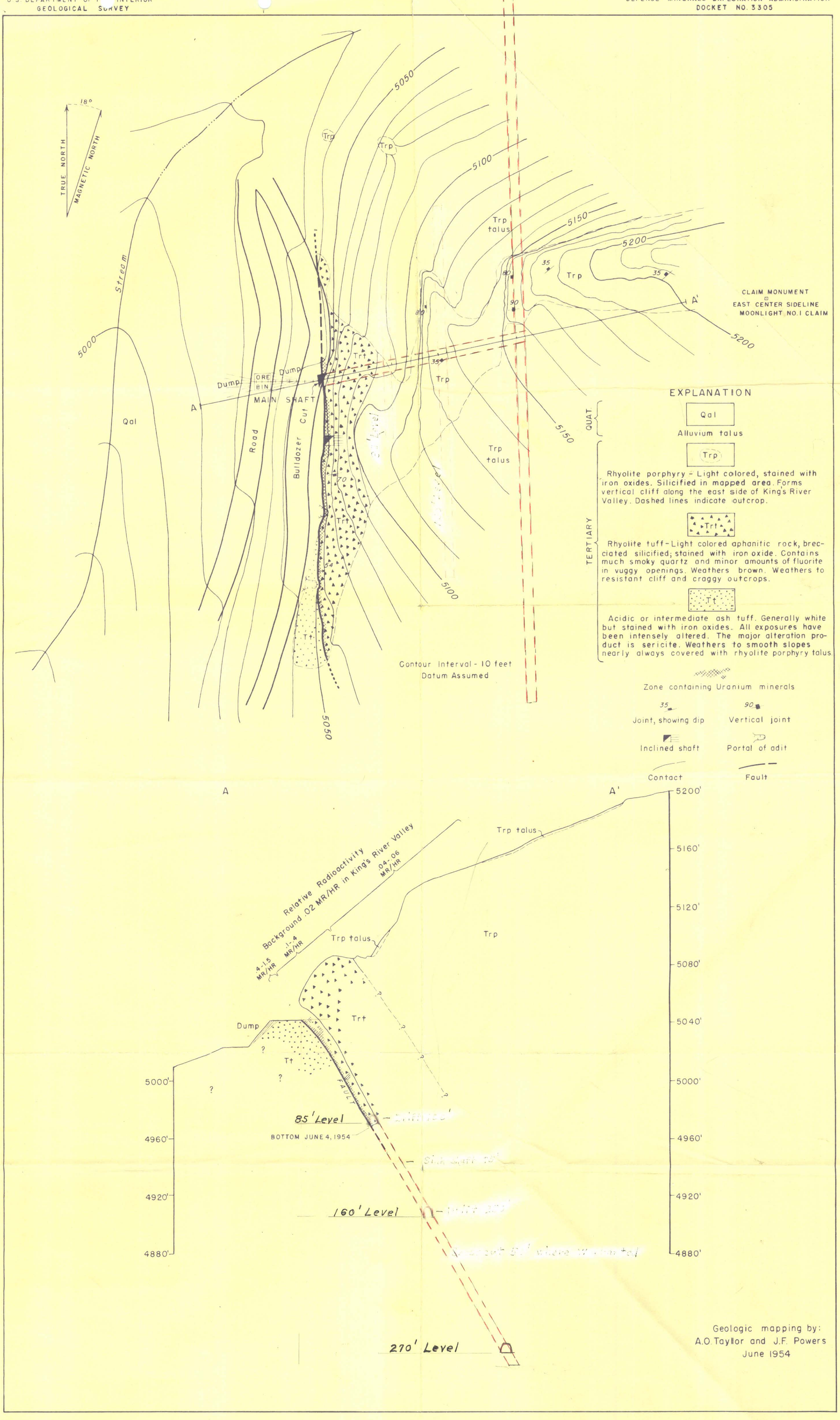
HUMBOLDT COUNTY, NEVADA

40 0 40 80 FEET



Geologic mapping by:
A.O. Taylor and J.F. Powers
June 1954

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HUMBOLDT COUNTY, NEVADA