DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4620

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
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
Application and attachments
(3) Envelope for maps

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
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

Please return

Trust Department

First National Bank

of Nevada

Escrow No. 12-2145

(ESCROW OFFICER)

ESCROW INSTRUCTIONS

RECEIVED JAN 28 1957 D.M.E.A.

November 7, 1956

To Las Vegas Branch

First National Bank of Nevada, Reno, Nevada

Gentlemen:

In consideration of your acting as escrow holder herein, it is agreed that you shall in no case or event be liable for the failure of any of the conditions of this escrow or damage caused by the exercise of your discretion in any particular manner, or for any other reason, except gross negligence or willful misconduct with reference to the said escrow, and you shall not be liable or responsible for your failure to ascertain the terms or conditions, or to comply with any of the provisions of, any agreement, contract or other document filed herewith or referred to herein, nor shall you be liable or responsible for forgeries or false personations.

In consideration of your acting as Escrow Holder and accepting any payments made in connection with any of the documents in the escrow referred to above, the undersigned Purchaser(s) agree(s) that the escrow holder shall, in no case or event, be liable for any representations made between Purchaser(s) and Seller(s); or for the validity of deeds, bills of sale, or other instruments conveying title to property; or for the sufficiency or validity of such documents to establish ownership when and if delivered, and that the Escrow Holder's responsibility is limited to the delivery of the documents received in the escrow without any warranty or guaranty of any nature, whatsoever, in connection with such documents, and these instructions shall be binding unto the successors, heirs, executors, administrators or assigns of the undersigned.

It is further agreed that if any controversy arises between the parties hereto or with any third person, you shall not be required to determine the same or take any action in the premises, but you may await the settlement of any such controversy by final appropriate legal proceedings or otherwise as you may require, notwithstanding anything in the following instructions to the contrary, and in such event you shall not be liable for interest or damage.

IT IS UNDERSTOOD that the fee agreed upon for your services hereunder shall be considered compensation for your ordinary services as contemplated by these instructions, and in the event that the conditions of this escrow are not promptly fulfilled or that you render any service hereunder not provided for in the following instructions, or that there is any assignment of any interest in the subject matter of this escrow or modification hereof, or that any controversy arises hereunder or that you are made a party to, or intervene in, any litigation pertaining to this escrow or the subject matter thereof, you shall be reasonably compensated for such extraordinary services and reimbursed for all costs and expenses occasioned by such default, delay, controversy or litigation and you shall have the right to retain all documents and/or other thing of value at any time held by you hereunder until such compensation, fees, costs and expenses shall be paid, the undersigned hereby jointly and severally promising to pay such sums upon demand.

The undersigned, Mark Harris, Fred T. Pine, William W. Brown, as parties of the first part, and Mystery Mountain Uranium, Inc., as party of the second part, deposits with you in escrow the following:

1. Duplicate original of Mining Bond and Lease with Option to Purchase, dated November 11, 1955, covering certain unpatented mining claims situated in Churchill County, State of Nevada, as more particularly described therein.

2. Quitclaim Deed, undated, executed by the parties of the first part in favor of the party of the second part, which Deed covers the mining claims as more specifically set forth therein and in the Mining Bond and Lease with Option to Purchase.

You are to hold these documents under the following terms and conditions:

The party of the second part will pay to you on or before June 11, 1965 the sum of One Hundred Forty-Eight Thousand Seven Hundred ($148,700.00) Dollars pursuant to the terms and conditions as more specifically set forth in the Mining Bond and Lease with Option to Purchase; provided however the minimum monthly payment of One Hundred and Fifty ($150.00) Dollars shall be made to you on or before the eleventh (11) day of each month beginning with the month of November, 1955. Should the minimum monthly payment of One Hundred and Fifty ($150.00) Dollars not be paid by the eleventh (11) day of each month and should this default not be cured within the thirty (30) days as stipulated in the Mining Bond and Lease with Option to Purchase, or should the sum of One Hundred Forty-Eight Thousand Seven Hundred ($148,700.00) Dollars not have been paid

in by midnight June 11, 1965, then in that event the Mining Bond and Lease with Option to Purchase shall expire and be of no further force and effect and the subject properties shall immediately revert to the aforesaid parties of the first part and the escrow terminated.

In the event the escrow holder receives any consideration under paragraph 6(D) of the Bond and Lease there shall be no duty to inquire into the correctness of any supporting figures. The escrow holder's sole responsibility shall be to deliver said supporting papers to the parties of the First Part.

Payments made to you hereunder pursuant to the terms of the escrow will be disbursed as follows after the deduction of your handling charges.

The remaining shall be equally divided and forwarded individually to the parties of the first part at their respective addresses.

When all of the payments have been made to you pursuant to the provisions of this escrow you are directed to proceed as follows:

Out of the last or series of last payments you are to deduct a sum sufficient to cover documentary stamps, which will be affixed to the Deed and canceled. The Deed is then to be delivered to the party of the second part and it will be deemed that the terms and provisions of this escrow will have been fully complied with and escrow terminated.

In the event of any default on the part of the buyer, as provided in the Mining Bond and Lease with Option to Purchase, the sellers shall be entitled to demand in writing the return of the documents from the escrow holder upon furnishing evidence to the escrow holder that the party of the second part has not corrected such default within 30 days, in case of the minimum payment, or 60 days in case of other defaults, after written notice thereof. The party of the second part shall thereupon be deemed to have forfeited all payments previously made and the escrow terminated.

Notice shall have been deemed to have been given when same shall have been registered, postage prepaid and deposited in the post office, to the party of the second part, if addressed to him at Las Vegas, Nevada.

It is understood and agreed that the First National Bank of Nevada, Third Street Branch, Las Vegas, Nevada, shall receive the following fees for its services as escrow holder in this transaction:

1. $148.70 acceptance fee, to be paid at the time the escrow is accepted by seller, buyer or both.
2. ¼ of 1% of all payments made by the purchaser or his assignees, with a minimum of $1.00 payment.

PARTY OF THE FIRST PART:

/s/ Fred T. Pine
/s/ Mark Harris
/s/ William W. Brown

PARTY OF THE SECOND PART:

MYSTERY MOUNTAIN URANIUM, INC.

/s/ A. M. Lovaas, President
/s/ Roselyne M. Freeman, Secretary

FIRST NATIONAL BANK OF NEVADA, Las Vegas, Nevada, hereby acknowledges receipt of the above mentioned documents and cash, and agrees to hold the said documents pursuant to the terms in the foregoing escrow.

FIRST NATIONAL BANK OF NEVADA
Las Vegas, Nevada Branch

By /s/ C.D. Brown, Trust Officer

I hereby certify that the above and foregoing is a true and correct copy of the Escrow Instructions on file at the Escrow Department of the FIRST NATIONAL BANK OF Nevada, Las Vegas, Nevada, Branch.

MYSTERY MOUNTAIN URANIUM, INC.

By /s/ A. M. Lovaas, President

MINING BOND AND LEASE
WITH OPTION TO PURCHASE

THIS AGREEMENT, made and entered into this 11th day of November, 1955, by and between MARK HARRIS, of 5317 Eleventh Avenue, Sacramento 20, California; FRED T. PINE, 500 North Seventh Street, Las Vegas, Nevada; and WILLIAM W. BROWN, 1100 N. Tonopah Drive, Las Vegas, Nevada, hereinafter called Parties of the First Part, and MYSTERY MOUNTAIN URANIUM, INC., a Nevada Corporation whose principal office in the State of Nevada is located at 320 South 3rd Street, Las Vegas, Nevada, hereinafter called Party of the Second Part;

WITNESSETH:

1. This agreement supplements, amends and supplants that certain option agreement made and entered into on or about the 11th day of June, 1955, by and between Fred T. Pine, Mark Harris and William W. Brown as Parties of the First Part, and George C. Marbut, et al, Party of the Second Part.

2. That prior to the execution of this agreement the said George C. Marbut et al. has assigned all his right, title and interest in and to said option agreement to the second party herein.

3. That First Parties are the owners, by virtue of a valid mining location, of two adjacent groups of mining claims, described as follows:

First Group of Four Claims; Sheelite, Shelite No. 1, Shelite No. 5 and Gateway Claim

Second group of six claims; Midnite, Midnite No. 1, Midnite No. 2, Midnite No. 3, Midnite No. 4 and Midnite No. 5.

Ten claims in all in the two groups, located in Churchill County, Nevada.

4. The First Parties warrant that said mining claims have been legally located; that the necessary statutory location work has been done on all of them; that the annual assessment work required by law has been performed and notice thereof properly recorded, all of which appears from the mining books and records in the County Court House at Fallon, Churchill County, Nevada.

5. The First Parties do hereby lease unto the Second Party and grant to the Second Party the option to purchase all of said mining claims on the terms hereinafter defined.

6. For and in consideration of One Dollar ($1.00) in hand paid to the Parties of the First Party by the Party of the Second Part, receipt of which is hereby acknowledged, and for further consideration set forth below, the Parties of the First Part do hereby grant and give to the Party of the Second Part the exclusive right or option to purchase the above named mining claims, as follows:

(A) The total price of One Hundred Fifty Thousand Dollars ($150,000.00) to be paid on or before ten (10) years from date hereof.

(B) The down payment shall be One Thousand Dollars ($1,000.00) paid out by Second Party on or before June 30, 1955, said One Thousand Dollars ($1,000.00) to be used to complete the assessment work required before June 30, 1955, in order to protect said claims and First Parties per legal assessment work requirement.

(C) The balance of One Hundred Forty-Nine Thousand Dollars ($149,000.00) to be paid to FIRST PARTIES over a period of Ten (10) years, as follows:

A Minimum payment of One Hundred Fifty Dollars ($150.00) will be paid to parties of the First Part starting ninety (90) days after this agreement is signed, which will apply on the total purchase price.

(D) A straight 10% royalty will be paid on the net mill or smelter returns, which of course will apply on the total purchase price. By net mill returns is meant the returns after hauling and all mill charges are deducted; net smelter returns is defined as the net returns received from a smelter, deducting only all hauling and smelting charges.

7. It is understood that the assessment work required befor June 30, 1955, equaling the down payment of One Thousand Dollars ($1,000.00), was completed.

8. It is further understood that the minimum payments of One Hundred Fifty Dollars ($150.00) for the period ending September 11, 1955 and October 11, 1955 have been made.

9. It is therefore agreed by all parties that the balance due under the revised contract is One Hundred Forty-Eight Thousand Seven Hundred Dollars ($148,700.00), to be paid on or before June 11, 1965.

10. It is further agreed that upon the signing of this revised instrument Party of the Second Part, or its agents, will continue possession of said claims and all appurtenances thereto for the purpose of prospecting for and mining any and all minerals found or discovered thereon, and may erect thereon any buildings, temporary or permanent, that may be required in the mining and treatment of any ores or minerals that may be found or discovered on said claims; provided however that Second Party may stockpile any ore or concentrates produced from said premises if in their judgment stockpiling be advisable, but in any event the minimum monthly payments hereinabove specified shall be continued.

11. Party of the Second Part agrees to do all construction of buildings and all work of mining and treatment of ores and the acquirement of machinery and supplies at its own expense, and will keep the said premises free from all liens for work performed or materials acquired by it at all times, and will post, or cause to be posted at various places on the said claims, and have recorded, the legal notices necessary to protect Parties of the First Part from all such liens for labor and materials; provided, however, that the Second Party is given the right, privilege and option to apply for a United States Government Exploration loan, which said loan, if granted, shall become a valid first lien on the mining premises hereinabove described.

12. Party of the Second Part further agrees to perform all work in a safe and workmanlike manner, and will conform will all the laws and regulations of the State of Nevada pertaining to mining and treatment of ores and minerals so that no claims for death or injury of workmen will hold against the premises of Parties of the First Part.

13. Time is of the essence of this contract and any violations of the terms hereof will automatically cancel it and give the Parties of the First Part the right to take immediate possession of said premises; provided, however, that the First Parties will execute and deliver to the Second Party in writing any default that they may claim the Second Party has made under any of the terms of this agreement

and the Second Party shall have a period of Sixty (60) days from and after receipt of said notice in writing specifying the claimed default to rectify or cure the same, except 30 days for non-payment of rental and this agreement may be terminated and cancelled only if the Second Party has failed to cure said default within the said 60 day period of time except that 30 days only shall be allowed in case of default in payment of monthly rental, and provided further, that if this contract be terminated by reason of a default made by the Second Party and which has not been cured by Second Party within the time and in the manner above provided, the Second Party shall be granted a reasonable time to remove its equipment and supplies and property from the mining premises, as hereinafter provided in Paragraph 16.

14. Immediately after the execution of this contract Parties of the First Part will cause to be executed a quitclaim deed of conveyance, conveying interests to the said Party of the Second Part and the conveyance, together with one of the executed copies hereof, and together with a title report showing title vested in First Parties as hereinabove provided, will be placed in the hands of an escrow agent with the following instructions:

> That said escrow agent will receive all moneys paid by the said Party of the Second Part on this contract, crediting the purchase price thereof with such amounts, and when the sum total of monies paid and received by said escrow agent shall amount to the sum of One Hundred Forty-Eight Thousand Seven Hundred Dollars ($148,700.00) the escrow agent is instructed to deliver the deed of conveyance to Party of the Second Part. The escrow agent is also instructed to disburse all such money received to the order of the Parties of the First Part, also the deed of conveyance in case Party of the Second Part fails to comply with the provisions of the Contract, or upon notification by it that said Second Party does not care to exercise its option to purchase.

15. Parties of the First Part, or their agents, will have reasonable access to the property during business hours for the purpose of inspecting the work, and shall have access to the books of accounts of production and sales, and a copy of all liquidations for sales will be furnished by Party of the Second Part, together with statements of sales of ores or minerals.

16. Party of the Second Part shall have the right to remove, within a reasonable period, all mining and milling machinery and supplies placed by it on the property; permanent buildings, headframes, timber and mine track in place excepted.

17. Party of the Second Part shall furnish proof of labor in sufficient quantity to legally hold the claims or comply with the Law of Moratorium which may apply to mining claims, beginning with the assessment year ending June 30, 1956. Party of the Second Part shall also pay the legally assessed taxes on the claims and buildings and machinery that may be placed on the claims by it, beginning with the tax year 1956.

18. It is agreed that both parties to this agreement shall have the right to transfer any and all their interests to third parties; provided, however, that the other party to the contract shall be notified in writing of such transfer, and provided, further, that application may be made by the Second Party for the issuance of a United States Patent in and to said mining premises, all at its own expense, and the First Parties, or their assigns, will join in said proceedings as a formal party.

19. It is agreed that any part of this contract can be changed by mutual agreement and supplemental contract in writing, signed in triplicate, one copy to be filed with the escrow agent for his information.

20. It is mutually agreed that this instrument shall be construed as a mining lease and bond with option to purchase only, and the Second Party, or Assigns, cannot be held liable for the entire purchase price of said mining premises hereinabove described in the event it elects to surrender said premises and cancel this agreement.

21. It is further mutually agreed by and between the parties hereto that if the Second Parties are prevented from performing any of the conditions of this contract on them for performance by reason of Act of God, or any other reason beyond their control, a forfeiture shall not be declared during the period of time that said conditions may exist but that this lease will be deemed suspended for and during said period of time.

22. It is also agreed that time is of the essence of this contract and the conditions of same are binding upon the heirs, administrators and assigns of both parties.

IN WITNESS WHEREOF, the parties hereto have hereunto affixed their names and seals this 11th day of November, 1955.

/s/ Mark Harris
/s/ Fred T. Pine
/s/ William W. Brown
Parties of the First Part

MYSTERY MOUNTAIN URANIUM, INC.
By /s/ A. M. Lovaas
President
By /s/ Roselyne M. Freeman
Secretary
Party of the Second Part

STATE OF NEVADA)
) SS
COUNTY OF CLARK)

On this 12 day of November, 1955, personally appeared before me, the undersigned, a Notary Public in and for said County and State, ~~MARK HARRIS~~, FRED T.PINE and WILLIAM W. BROWN, 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 therein mentioned.

IN WITNESS WHEREOF, I have hereunto signed my name and affixed my official seal the day and year in this certificate first above written.

/s/ Dennis F. Wright
Notary Public in and for said County and State.
My Commission Expires: 5/19/56

STATE OF NEVADA)
) SS
COUNTY OF CLARK)

On this 21st day of November, 1955, personally appeared before me, the undersigned, a Notary Public in and for said County and State, A. M. LOVAAS, President, and ROSELYNE M. FREEMAN, Secretary of MYSTERY MOUNTAIN URANIUM, INC., a Nevada corporation, proven to me to be the persons described in and who executed the foregoing instrument for and in behalf of said corporation, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto signed my name and affixed my official seal the day and year in this certificate first above written.

/S/ Dennis F. Wright
Notary Public in and for said County and State.
My Commission Expires: 5/19/56

STATE OF CALIFORNIA)
) SS
COUNTY OF SACRAMENTO)

On this 9th day of November, 1955, personally appeared before me, the undersigned, a Notary Public in and for said County and State, MARK HARRIS, known to me to be the person described in and who executed the foregoing instrument, and who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto signed my name and affixed my official seal the day and year in this certificate first above written.

/s/ Marian Moore
Notary Public in and for said
County and State
My Commission Expires: 3/13/59

This is to certify that the above and foregoing is a true and correct copy of the original Mining Bond and Lease with Option to Purchase dated November 11th, 1955, executed by all of said parties.

MYSTERY MOUNTAIN URANIUM, INC.
By [signature]
President

DR. A. M. LOVAAS
Chiropractic Physician
320 SOUTH THIRD
LAS VEGAS, NEVADA
PHONE OFFICE DU 2-4121
RESIDENCE DU 2-2887

Jan. 25th 1957

Department of Interior
Washington D.C..

Gentlemen,

Inclosed find applications in quadruplicate for EXPLORATION PROJECT AID PURSUANT TO DMEA ORDER I; UNDER DEFENCE PRODUCTION ACT OF 1950AS AMENDED , for the MYSTERY MOUNTAIN URANIUM INC. 320 So. 3rd St. Las Vegas Nevada.

Your consideration of this matter will be greatly appreciated.

Address all correspondance to office at 320 So. 3rd Las Vegas Nevada

Yours Truly

Dr. A.M. Lovaas President.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 28 1957

DATE	INITIALS	CODE
1/29	WSM	400

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED JAN 28 1957 D.M.E.A.

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

Not to be filled in by applicant

Docket No. 4620
Metal or Mineral Tungsten
Date Received 1-28-57
Estimated Cost $106,165
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: Mystery Mountain Uranium, Inc. Main Office 320 So. 3rd St. Las Vegas, Nevada. Dr. A.M. Lovaas, President, Property mailing address, Box 16, Gabbs, Nevada. George C. Marbut, V.P. Engineer & Supt. Ted Monson, V.P. Consultant & Equipment Supt. Stanley Ebeltoft, Director & Mine Consultant. O.W. Rodgers, Sec. & Treas.

(*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. Incorporation State of Nevada.

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

(*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 Bell Flat Mining District. Churchill County, Nevada. East Slope Slate Mountain, SW Corner, S. 6 T.14 N R. 34 E. 17 miles north on Hwy 23 & 10 miles west, from Gabbs, Nevada.

(*b*) State any mine name by which the property is known. Midnight Tungsten Mine -- Bell Flat Tungsten Property.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Purchaser Contract per attached copy.

(*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. Copy of contract & sellors agreement for government property lien.

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

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

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 descriptions

(*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 required information.

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Scheelite Tungsten (WO_3)

(*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 required information.

(*c*) The work will start within 5 days and be completed within 12 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 information.

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.). None

(*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. See attached information.

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

(*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. See attached required itemized list.

(*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. See attached detail list.

(*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. See attached

(*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. See attached required information

(*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. See attached required information.

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)? yes

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

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

Explain in detail on acompanying paper. See attached required detail information.

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 January 22, 1957

MYSTERY MOUNTAIN URANIUM, INC.
(Applicant)

By Arnold M. Lovaas Pres.
Arnold M. Lovaas, President

320 So. 3rd Street

Las Vegas, Nevada

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

January 22nd, 1957

To: The Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D.C.

From: Mystery Mountain Uranium, Inc. (A.M. Lovaas, President)
320 South 3rd Street
Las Vegas, Nevada

Subject: DEMA WO^3 Loan Application.
Pursuant to general instructions contained in Form MF-103, please find attached hereto:

(a) Four copies of MF-103
(b) Four copies of reference information re-MF-103
(c) Four copies of Corporation officers names and addresses.
(d) Four copies of Supervision, experience, & background of applicants.
(e) Four copies of Engineering and geologist reports.
(f) Four copies of Complete contemplated project work maps.
(g) Four copies of Property master maps.
(h) Four copies of Assays and mill test flow sheet returns.
(i) Four copies of Purchaser contract, escrow agreement & loin rights.
(j) Four copies of Miscellaneous pertinant information.

We respectfully request your immediate consideration of our loan application, which has been inadvertently delayed by us, for reason of necessary exploration operations, geology, and engineering.

May we request the return of marked items.

Yours very truly,

MYSTERY MOUNTAIN URANIUM, INC.

A. M. Lovaas

A. M. Lovaas, President

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DATE	INITIALS	CODE
1/29	WSM	400

EXPLANATORY CRITERIA

1. Name of applicant - Mystery Mountain Uranium, Inc. Main office - 320 South 3rd Street, Las Vegas, Nevada, Property Business office address, Box 16, Gabbs, Nevada.

(b) Incorporation: State of Nevada, June 11, 1955.
(c) Arnold M. Lovaas, President, 2420 Ballard Drive, Las Vegas, Nevada.
George C. Marbut, Vice President, General Superintendent, Consulting Mining Engineer, and Geologist.
Ted Monson, Vice President, experienced miner and equipment superintendent, 230 Lowry Street, Las Vegas, Nevada.
Stanley Ebeltoft, Director, experienced miner, timber man, and one year study of Geology. 2784 No. Highland Dr. Las, Vegas, Nevada.
Oscar W. Rogers Jr. Sec&Treas; Carpenter, mining experience, and heavy equipment experience. 1315 Carson Avenue, Las Vegas, Nevada.

No. 3.
(a) Bell Flat Mining District, Churchill County, Nevada. Located on East Slope of Slate Mountain, SW Corner, S. 6, T.14, R. 34E. 17 miles north on State Highway 23, then 10 miles due west from Gabbs, Nevada.

(b) Midnight Tungsten Mine - Bell Flat Tungsten Property.
(c)&(d) See Exhibit A, Copy of Purchase Contract and agreement by owners for Government Property Lien.
(f) Ten unpatented claims, located in year of 1941

1. Shelite	Book 24,	Page 199,	Churchill	County,	Fallon,	Nevada.	
2. Shelite #1.	" 24,	" 200,	"	"	"	"	
3. Shelite #5.	" 24,	" 203,	"	"	"	"	
4. Gateway	" 24,	" 216,	"	"	"	"	
5. Midnight	" 24,	" 214,	"	"	"	"	
6. Midnight #1.	" 24,	" 215,	"	"	"	"	
7. Midnight #2.	" 24,	" 213,	"	"	"	"	
8. Midnight #3.	" 24,	" 217,	"	"	"	"	
9. Midnight #4.	" 24,	" 214,	"	"	"	"	
10. Midnight #5.	" 24,	" 212,	"	"	"	"	

No. 4.
(a) Mining & Exploration Operations: Midnight Claim - 5x7' tunnel 133 ft. or 4,625 cu. ft., north to south, cross cut, 30 feet to west 91 feet from tunnel portal raise 15 ft. (5x4'), 66 ft. from Portal, Winze 15 feet (5x4') 61 feet from Portal - dip 30 degrees to east. Making a total of 193 feet or 6,275 cu. ft. Note: 66ft. from portal to five inch contact east & west vein is in ore one to 4ft. thick.

Exploration Tunnel #2 -(38 feet with a dip of 33 degrees to west above tunnel) Tunnel (5x7) north & south in 30 feet. Winze 7½ feet east, dip 33 degrees - 25 feet from portal. Total, 37' 6", or 1,316 cu. ft. Note: all of tunnel on vein, One place, 88 inches long by 4 ft. wide, by 3½ ft. deep - dip 33 degrees to east will probably average 3 to 5 percent WO^3 per attached assays. Open cuts (4) above tunnel No. 2, (exploration) average 3x5x4 - or 240 cu.ft. Note: all in 60 to 1 percent WO^3. Note: Vein out crops or uncovered 95 feet SW, 30 degrees above tunnel No. 2, where the vein matter on the surface is cut off by a quartz dike. This dike, I believe, caused a fault to the west and cuts the ore off between tunnel No. 1 & tunnel No. 2. Note: There is a road to each of the above workings. From above mentioned work a good road runs 2,640 feet NW to Midnight Claims # 2 & 4. Here the previous owners drove a tunnel N to S, some 97 ft. on vein matter. However, our company following sound geological study opened by cross cuts some excellent ore above & to the west of this hit and miss tunnel, evidently dipping below the tunnel or cut off by a fault. Note: From sound geology, engineering and cross cuts there is ample evidence of 9 veins running northwesterly & southeasterly which will be cut in the proposed 600 feet tunnel, basis of this DEMA application.

On the Schelite claims, see master map, an all weather Jeep road has been made. By open cuts and vein outcrop - the traceable ore vein is some 2,000 feet long. Accessibility - From Gabbs or Fallon, Nevada, excellent roads run direct to property. The total property (10 claims) have good roads for ore and equipment movement and complete inspection. For water and other pertinent property information see mining engineer reports & maps.

Our interest has been to fully explore and determine from old workings and exploration operations the pertinent geological, geophysical and geochemical information necessary for sound procedures.

(b) Past production shipped by original owners per settlement #1 voucher No. 4094 to Bishop, California, from open face cut, grossed some $1,800. See exhibit C. Mystery Mountain Uranium, Inc. has shipped for test run and flow sheet information under EO[3] permit #61 to Yaney Milling Co. Gabbs, Nev. 6.04 dry tons of miscellaneous ore & received 2.66 units per attached exhibit D.

(c) The geologic features of the property, it can be noted; and are practically identical with most of Nevada's big Tungsten mines. The ore-bearing structures, or ore zones, lie within a pan-like sheet of igneous granit. For full detail, see mine report. Exhibit E.

(d) Accessibility from mine workings to Gabbs, Fallon, and Hawthorne, Nevada are excellent. At Gabbs, there are two custommills available. Near Frenchmen Junction, some 32 miles from property, the Olson Mill is available. Ample mine supplies, residence and mine labor are available.

(e) Manpower, material and equipment of all types are available at Gabbs, Fallon, and Hawthorne. Ample water can be developed on property wells. There is no electric power.

No. 5. Exploration Project

(d) See exhibit F regarding operating experience and background of persons who will carry out the exploration project and supervise the operations.

No. 6. Estimate of Costs. Tunnels and Shaft.

600 feet 4' x 7' tunnel or 16,800 cu.ft. at $30.00 per ft.		$ 18,000.00
600 feet 4' x 7' tunnel or 16,800 cu.ft. at $30.00 per ft.		18,000.00
45 feet 5' x 5' water well lined shaft, 1,125 cu.ft. at $60.00 per ft.		2,700.00
Total 1,245 feet	34,725 cu.ft. Total cost	38,700.00

Bulldozer operations for road & dump work	
30 days of bulldozer rental at $10.00 per hour	3,600.00
Two Compressors for two tunnels & well	
(1) 12 months rental 315 cu.ft. compressor & maintainance at $500 per mo.	6,000.00
(2) 12 months rental 315 cu. ft. compressor & maintainance at $500.00 per mo.	6,000.00
One Dump truck for general use, supplies, roads and mucking	
12 months rental & maintainance at $300. per month	3,600.00
One Jeep 4 wheel drive pickup truck for general use	
12 months rental & maintainance at ~~$200.00~~ per month $216.67	2,600.00
One water truck with 1000 gal. water tank	
12 months rental and maintainance at $100 per month	1,200.00

Operating Equipment

One gasoline camp light plant 1000 watt (used)	500.00
Two slusher mucking machine (new) at $1,300 each	2,600.00
One water pump with gasoline engine for well water	175.00
Two mine cars 1 ton (used) at $100 each	200.00
Two Jack hammers, airleg & oiler (new) at $900 each	1,800.00
Two Blowers for tunnel air (used) at $75.00	150.00
Three water tanks 500 gal. each, 1 at camp, 2 at tunnels, at $150.00 each	450.00
	~~5,875.00~~

No. 6 cont.

Mining Equipment, miscelleanous

1200 feet two inch airline pipe and fittings at 65 cents per ft.	$ 780.00
1200 feet 3/4 in. water line (Jackhammer) at 30 cents per ft.	360.00
1200 feet 8 inch ventilation air pipe at 50 cents per foot	600.00
2500 feet 8 lb. mine rail at 25 cents per foot	625.00
500 pieces 4x4x3' cross ties at 30 cents each	150.00
	2,515.00
Grinder, pipe cutter, vices, tools, dies, wrenches	500.00
	3015.00

(f) Rehabilitation of mine kitchen and bunk house

12' x 14' insulated and complete	1,080.00
One gas water heater and fillings	145.00
One gas range (used)	50.00
Tool office and assay building 12' x 20'	1,670.00
Miscellaneous fixtures & equipment	230.00
Two buildings, change room & supplies 10' x 20' each $680.00	1,360.00
Miscellaneous fixtures and heater, each $120.00	240.00
	$ 4,775.00

(g) Supervision, consultants and labor

One Mine and geological engineer, supervision & supt. per year	6,000.00
One Consulting M.E. to check Co.project progress,2 days per month per yr.	2,400.00
One Compressor operator, mechanic & blacksmith at 2.75 pr.hour,per year	5,280.00
Two Maintenance day labors, $2.00 each per hour, per year	8,000.00
One Mine office accounting,bookkeeping & analytical work, per year	3,600.00
One General carpenter & timber supervisor, at $3.00 per hr. 3 months	1,440.00
	26,720.00
Compensation and employers liability insurance & taxes (dep.$668.)	3,330.00
Total (G) Misc.	30,050.00

(h) Contingencies

Estimated hospital and doctors retaining fee, per year	250.00
Telephone calls, travel and unlisted expenses, per year	500.00
	750.00

Total cost of estimated exploration project $106,165.	
Total cost of estimated DEMA percentage at 75 percent	$ 79,623.00
Total cost of estimated Company percentage at 25 percent	26,541.25
Total Project Cost	$106,165.00

No.7

(b) Company share of total Project Cost;

1.	Money pledged by or for, through purchase of surplus corp. stock	15,000.00
2.	Money underwritten by Co. Directors & present stockholders	7,000.00
3.	A.M.Lovaas, pres. 1954 Ford Station Wagon, estimated use 6,600 mi. 1 yr. at 10cents per mile	660.00
4.	Ted Monson, V.P. 1955 chev. 3/4 ton pickup truck, est. use 7,920 miles 1 yr. at 12 cents per mile	792.00
5.	George C. Marbut, V.P. & E.M. 1947 Cadillac car, est. use, 3,000 miles 1 yr. at 10 cents per mile	300.00
6.	O.W. Rodgers, Sec. treas. 1954 3/4 ton Ford Pickup truck, est. use 3000 mi. 1 yr. at 12 cents per mile	360.00
7.	Earl Gregory, stockholder, 1954 Jeep est. use 3,000 miles at 12 cents pr mi. per yr.	360.00
8.	Miscellaneous small parts, equipment, oil, gasoline, preston and supplies one yr.	1,250.00
9.	Cash available upon demand from company	819.25
	Total company percentage project cost	26,541.25
	Total DEMA percentage project cost	79,623.75
	Total estimated Exploration project	$ 106,165.00

Stanley H. Ebeltoft, born Lake Park, Minnesota, September 30, 1909. Attended Grade School, and graduated from Highschool at Glyndon, Minnesota, 1928.

Associated with father in contracting business through highschool years and to 1929. 1929-1930, worked with Inland SteelCo. of East Chicago. Attended night school, mechanical engineering and geology.

1931 - 1937 Building Contracting Business, 1937 - 1940, Building Superintendent U.S. Government Projects at Baudette, Minnesota.

1941 - 1942, worked on construction work at Las Vegas, Nevada.

1943, worked with Kewitt and Cunningham on McKenzie River Project in Canada.

1944 - 1950, Building Contracting Business and associated with prospecting for minerals, Baudette, Minnesota.

1950 - 1955, worked on construction in Las Vegas, Nevada, and spent much time prospecting and mining. Studied Prospecting and Geology at night school, Henderson, Nevada.

1955 - 1956, contracting business and mining, geology and field work, in mining venture at Gabbs, Nevada.

Stanley H. Ebeltoft

Stanley H. Ebeltoft, Director
Mystery Mountain Uranium, Inc.

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Oscar William Rodgers, Director, Secy and Treasurer, Mystery Mountain Uranium, Inc.
Born 1923, age 34, Bartlesville, Oklahoma.

Completed grade and highschool in Oklahoma.

Moved to Las Vegas, Nevada from Oklahoma in 1942.

Military Service, 1943 and 1944, U.S. Army, Infrantry. Operated, maintained and directed various heavy equipment for construction, Quarter Master Trucking Group. Palace Grounds Naples, Italy.

1944 to 1947 apprentice construction carpenter.

1947 to 1951, Journeyman and general contractor with father, O.W. Rodgers & Son, License # 1803.

1951 to 1955 formed the O & R Lathing Co.

1955 to 1957 inclusive, Journeyman carpenter.

1955 to 1957, spent approximately 25 percent of my time prospecting and locating mining property.

Copy

Oscar William Rodgers.
Oscar William Rodgers.

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Ted Monson, Vice President and Director, Mystery Mountain Uranium, Inc.
Born Baudette, Minnesota, age 45. Experienced miner and equipment superintendent.

Attended and completed all school education previous to 1929 in Minnesota.

1929 moved to Las Vegas, Nevada.
1930 to 1938 worked as general miner in Tempiute, Goodsprings mining districts, and Boulder Dam construction.

With experienced and thorough training by my father in his construction and timber contractor business, I learned all phases of this trade.

From 1938 to 1946 I worked as a Journeyman learning the plastering business.

From 1946 to 1957 inclusive, I formed my own company, The Ted Monson Plastering Contractor, license #891.

During the years of 1954-1955 and 1956, I spent much of my time prospecting and did considerable location and drilling work.

I have a family and own my residence at 230 Lowry Street.

Ted Monson
Ted Monson

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George C. Marbut, Vice President, Director and Mining Engineer, born Atlanta, Georgia, Age 54. Vice President in charge of engineering, mine operation and equipment. Attended McCauley Highschool, Chattanooga, Tennessee. 2½ years Vanderbilt University, Nashville, Tennessee. Left college to enter first World War, 1917, graduated from Kelly Field, Texas, as a fighter pilot U.S.A. Returned from England and released from service February, 1919. Owned and flew his own airplanes for stunting and passenger hire to 1921. Worked one year for General Motors as salesman on Cadillac automobiles in Denver, Colorado and Boston, Massachusetts. While in Boston, he attended Harvard University Business School.

Sold real estate as a broker for Carl Fisher in Miami Beach, Florida, and Montauk, Long Island, New York, December, 1922 to July, 1924. Flew air races and stunt flying until December, 1924. Went to Tuscson, Arizona and opened up a gold mine south of Tusson in the Santa Rita Mountains.

Attended Arizona School of Mines under the great Dean G. Montague Butler; graduated 1928 as a Hydraulic Placer Mining Engineer.

Moved to Denver, Colorado, 1929; organized and developed Tennessee Mines, Inc. as President and Engineer at Cripple Creek, Colorado. Attended Colorado School of Mines, Golden, Colorado as part time student; graduated 1934, but did not request a full certified degree from State of Colorado, because he did not intend nor did he work for anyone except develop his own mines.

From 1935 to 1939, he bought the IceLake Group of Gold Mines near Silverton, Colorado and the Ticket Broker group of gold and silver mines at Leadville, Colorado. December, 1939, he sold all of his mining interest and moved to California. All of his mining ventures returned a substantial profit.

1940 and 1941 he was a test pilot for Douglas Aircraft Corp., Long Beach, California.

August, 1941, he was called back into the U.S. Army as a senior pilot and served until July, 1946, as a captian of all types airplanes.

1946 and 1947, he owned and operated a gold mine and mill at Sonora, California. December, 1947, to December, 1948, he was a partner with James C. Whittaker, the great pilot of Rickenbacker who was 21 days down in the ocean on a life raft. 1950 to 1954, he was a real estate broker in Phoenix, Arizona.

In 1954, through mutual interests in big game hunting, Boyscouting, flying, and mining, he became associated with Dr. A. M. Lovaas, Mr. Ted Menson, and Mr. Stanley Ebeltoft.

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George C. Marbut, Director
Mystery Mountain Uranium, Inc.

Cab

Dr. A.M. LOVAAS: Born August 14,1906, Calchutt, North Dakota; moved to Astoria, South Dakota, at the age of one year, and lived on a farm until 11 years of age; moved to the town of Astoria, South Dakota, and resided there until he was 14 years of age; moved to Parkers Prairie, Minnesota, completed highschool there. Moved to Minneapolis, Minnesota, immediately after graduation in May, 1924. He entered Chiropractic college in September, 1924, and graduated April 30, 1927, from Minnesota Chiropractic College. During College, he worked during free hours one year at the Minneapolis Grain Exchange for the Monarch Elevator Company, and during the balance of his college education, was a silk spotter at a Dry Cleaning Plant for the Troy Laundry and Eagle Cleaners in Minneapolis, Minnesota. Upon graduation, interned at Ramsey Hospital of Minneapolis until January 1, 1928; entered private practice January 1,1928, and continued in Minneapolis in private practice until March 5,1933. During this period of private practice he was also part owner and operator of the Minnesota Chiropractic College and Minnesota Naturopathic College. He attended classes in the evening school and taught part time in the Minnesota Naturopathic College. On March 10,1933 he moved to Long Beach, California, where he lived until August 1,1939, during which time, in addition to private practice, he manufactured some doctor's equipment and had interest in other business. In August,1939, he moved to Santa Ana, Claifornia, where he entered private practice and continued until 1949. During this time in Santa Ana, California, he also held interests in other businesses including a manufacturing business and rock crushing plant which he helped organize. In 1949, he moved to Las Vegas, Nevada, followed by his family in 1950, where he entered private practice and also organized Lovaas Enterprises, Inc. a development company, and has continuously engaged in the practice of his profession as a doctor since that time. Approximately 2 years ago, with a group of other businessmen, he helped organize Mystery Mountain Uranium, Inc., a mining corporation, and at the present time, holds the office of President of said corporation.

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REPORT

MIDNIGHT TUNGSTEN MINES BELL FLAT TUNGSTEN PROPERTY

Made for Mystery Mountain Uranium, Inc. by George C. Marbut, Consulting Geologist and Consulting M.E.

This report is based on six months personal examination of the geology and mineralogy of this group of claims. Likewise, I have supervised the mining and delivery of some 20 tons of WO 3 (Scheelite) ore from the mine to Yancy Milling Co., custom mill at Gabbs, Nevada, for a test and mill flow sheet test run.

In order to avoid duplicating compiling certain data, I have used herein some facts from a report and claims maps made by Mark Harris, M.E. and Associates (copy attached), from whom the property was purchased.

OWNERSHIP

Mystery Mountain Uranium, Inc. a Nevada Corporation, purchased this property on a most liberal contract from a partnership, consisting of Wm. W. Brown, Fred T. Pine and Mark Harris, M.E., the original locators and developers.

HISTORY

The Bell Flat Tungsten Property claims were legally located and so recorded in the proper place, Churchill County Courthouse, Churchill County, State of Nevada, in the month of August, 1941. A serch and examination of all records pertaining to location notices, proof of labor and notice of intention to hold mining claims has been made. As a matter of recent history with reference to property location, the company campsite buildings are very renowned having been photographed and printed in newspapers, see Exhibit A, as the only buildings astride of the big earthquake, which was east of Fallon, Nevada, and opened up the earth for a distance of 56 miles. Many experts and geologists often visit the property to view the spectacular site. Of Nevada pioneer history, it is estimated by routemap, Walker Booneville in 1854 traversed the company property.

PROPERTY LOCATION

Midnight Tungsten Mines, Bell Flat Tungsten Property is located on the east slope of Slate Mountain and west side of Bell Flat in Churchill County, Nevada, in the Southwest Corner of Section 6, Township 14, North, Range 34 East. It is accessible via paved State Highway No. 23 North from Gabbs, Nevada, 16 miles to mine turn-off road. An excellent desert gravel road 10' to 22' wide, with no steep grades, just recently regraded, runs west 9 3/4 miles to company property. It is 75 miles from Company property N.E. to Fallon, Nevada, see Road Maps, Exhibits B & C. There is an excellent place for an airplane landing field on the flat, just below campsite. There is a good landing field at Gabbs, Nevada (26) miles. There is no part of the company's property which cannot be reached by Jeep, pickup truck and most of it, by big truck. Climatic conditions are favorable for year-around operations on all of the company property.

The company has considerable and workable equipment on the property, including a compressor, all necessary drilling equipment, Jackhammer, hose and

pressure tanks for normal good mining. The company has a new 1955 Jeep, one-ton Pickup and an excellent Diamont T 8-ton hydraulic dump truck.

The campsite consists of a cabin and an 18x18' tent house, with normal living accommodations.

GENERAL DESCRIPTION

The company property comprises a group of 10 full 1500' by 600' claims of some 200 cares, laid out in the form of a large letter Y to cover the vein outcrops. All claims are unpatented. However, three of the claims are now ready for patent, if and when the company deems it advisable. For claim map see Plot No. 1.

GEOLOGICAL

The geological features of the company property are practically identical with those of the huge Massachusetts-Nevada Tungsten mine at Tungsten, Nevada, due north some 130 miles, and marked on State High way maps as the largest Tungsten mine in the U.S. Likewise, the big Nevada Scheelite mine properties are only 7 miles northwest from the company property. It can be noted, the company property is the hub, geologically speaking, of many good mines, within a circle of 16 to 20 miles, including Nevada Tungsten Mine, Duggan's Scheelite Mines, Nevada Crown Mines, Baxter (Kaiser) Mine, Standard Slag Mine and Plants, U.S. Basic Corp., B.M.I. Mine and Plant and the Smith Bros. Tungsten Mines.

TOPOGRAPHY

The company property estimated from contour lines, topographic survey, U.S. Topographical Survey, starts at an elevation on the Gateway mine claim, east end line, west side of Bell Flat, 5,450 ft. and extends west up the gentle slopes of Slate Mountain to an elevation of 6,850 at tunnel No. 3 on the Midnight Claims, a distance of 1.2 miles. Through the Gateway Claim, a canyon or main wash runs to the start of the middle part of a Y where two canyons or dry washes meet. Seven tributary washes drain to the main canyons, west to east. A flash rain flood, the only one in recent years, exposed much geology and ore vein structure as well as pockets containing scheelite, and much float containing ore.

GEOLOGY

The mineralized strata or ore-bearing structure contained the wide part of a Y is somewhat like a miner's gold pan, with a dip of about 33 degrees eastward.

The ore-bearing structures, or ore zones, lie within a pan-like sheet of igneous granite, dipping from the crest of the range eastward. There is evidence of two layers of granite. Likewise, there are two granite blowouts, within the pan. The disintegrated coarse-grained granite blowouts indicate they are greatly eroded and from the upper layer, or stratum, indicate the origin of the minerals. Starting at the upper northwest end of the "She-Lite groups" of claims, at an approximate elevation of 7,000 ft., a large Aplite Dike cuts through a saddle, or anticline, in the mountain range and runs southwest, with a slight curve to the east. A smaller Aplite Dike runs from near the same mountain saddle, southeast with a slight curve past the granite blowout to the southwest. It is my personal belief the company property is

circled by this Aplite Dike. Within the Aplite Dike and more or less parallel is a strong Rhyolite Dike. At various spots, particularly on the Midnight Claims, the upper part of the Rhyolite changes to a native volcanic Obsidian glass, indicating that the igneous granite blowout cooled very rapidly. It is possible the above conditions have a direct bearing as to the ore zones. Within the granite sheet or pan and circled by Aplite and Rhyolite, most of the company's property has a series of calcareous tufa and argillaceous limestone (in place, Oolitic) and schist beds. These beds probably have been subjected to intense metamorphic contact action, this containing quartz, epidote and garnets. The stratafied sedimentary beds of limestone-Marl have been silicified and replaced by quantities of epidote and garnets. When these conditions exist, as they do many places on the company property, scheelite (tungstate of lime) ore, is invariably found in commercial quantities. Scheelite (ore bodies) are the result or replacement of limestone and supplies the calcium needed for the growth of the garnet, also to convert the tungsten into the lime or calcium tungstate which is scheelite.

SYNOPSIS OF ORE CONDITIONS

On the company property, it is evident considerable erosion took place and the scheelite ore is exposed on the line of vein outcrops. Scheelite, which is non-magnetic and a compound, is of deep-seated and high temperature origin. When the limestone contact is close or near to the intrusive, the action of replacement is more intense as to deposits and diminishes as the distance increases from the intrusives. In the metamorphic contact actions, scheelite ore is found in veins or beds, some distance from the intrusives in fingers or unfilled channels to allow the ascending compound solutions to flow. Following these fingers or channels from their suface outcrop down, it is quite evident the grade and quantity of scheelite ore should increase until the sheet or pan of the granite bed is reached. The beds or veins vary from 4 to 12 feet thick with well defined hanging and foot walls of schist. In fingers, channels or ore shoots, the impregnated ore values usually run evenly the width of the vein.

With a short wave ultra-violet mineralight used after dark, few places on the company property will not show signs or specks of scheelite. On the Midnight Claim, a tunnel has been driven north to south 133 ft. At the end of 91 ft. from portal or adit, a crosscut was driven 30 ft. to the west. At the end of 66ft. from adit, a raise was put up 15ft. All of this work was done previous to company ownership. The tunnel was started from the adit on ore and runs consistent for 66 ft. Vein matter averages about 18 inches with a dip of 32 degrees to east. (From assays taken, I estimate the total vein matter will be a commercial grade of WO^3. After careful exploration work on the surface outcrop above the tunnels, two faults were located, with the possibility of a third, which is possibly the reason the former owners were unable to locate the best grade of ore. At the end of 66 ft. from adit, a contact 5 inch vein runs east and west with a slight dip to the north. Very little ore lies on the south side of this contact. It is my personal opinion this contact is also a direct slip or fault. On the surface, a definite fault occurs, the line of vein outcrop faults 4 ft. to the west on the south side of the contact. A good grade of ore was found by the company by sinking a winze 15 ft. on the north side of contact. With depth, this ore should increase in value and quantity. 38 ft. to the west and approximately 20 ft. above, on the pitch or rake, the face exposed exceptionally high-grade ore specimens. The width of the vein is approximately 4 ft. Tunnel No. 2 portal or adit was started here by the company. This Tunnel No. 2 was driven south 30 ft. A winze 7½ ft. was put down at 25 ft. from adit. Approximately 20 tons of this ore (wall to wall) was shipped to the Yaney Mill at Gabbs, Nevada,

for a test run. One finger or ore shoot 7 ft. 4 inches long and 3 to 4 ft. wide and 2 '6" winze, dip 33 degrees east, should run exceptionally high grade. Between tunnels no. 1 and 2 there is evidence of a true strong quartz dike running northeast and southwest and as this dike probably is pre-mineral origin, excellent ore at depth should be on both sides of the dike--either a spillover or two blowouts. Above Tunnel No. 2 on an upperward dip of 40 degrees, by 5 open cuts on the vein outcrops, an exceptionally fine grade of ore is exposed. The vein outcrops for a distance of 35 ft. southwest where it contacts the bend or curve of above mentioned quartz dike blowout. See exhibit Plot No. 2 for details. There are approximately 75 to 100 tons of dump ore of commercial value at above location. As this ore is free milling and contains very little base metals, the undersigned suggests inexpensive table operation. All of the above workings are accessible by good truck road.

Tunnel No. 3 is located on the Midnight Claims, at an elevation of approximately 7,000 feet west and slightly north, some 2,640 ft. via good switchback road from the workings on the other Midnight Claims. This tunnel 83 ft. (5'x7') almost due south and a 15 ft. cross cut to the southwest, a raise placed 12 ft. at end of 83 ft. from portal, a cross cut to the east and west, 5 ft. each way at the end of 36 ft. from portal, was driven previous to company ownership. This tunnel shows ore throughout. However, there is little overhead ground, and apparently, the ore bodies were missed due to a double fault. Above the tunnel some 60 ft. and west 40 ft. on the vein outcrop, scheelite that will run better than 3% was found. There are some 6 to 10 tons ready for milling. However, it will be necessary to build a short road some 100 ft. to reach the ore by truck. A fault runs northwest and southeast probably caused by the intrusion or rake of the Rhyolite dike some 100 ft. above the ore value. No doubt, this was the reason the previous operators missed the ore pay shoot in the tunnel. There is good proven reason the above location is excellent and should develop a large body of scheelite ore. In fact, from a geological standpoint, this location has every requisite necessary to develop into one of the many major mine operations. The topography is such that a tunnel can be driven on the vein and with exception of faulting in places, will have some 500 to 600 ft. under the apex of the surface ore outcrop and some 300 ft. on the strike and dip. On the surface, the vein width is 3½ ft. with evenly impregnated ore values. Thus, it is possible to mine some 300,000 cu. ft. or 13,000 tons of ore from one tunnel and ensuing stopeing. See Plot No. 3

The She-Lite claim on the top part of the above mentioned Y lies across 2 deep canyons or washes to the northeast. An all-weather Jeep road 6,336 ft. has been built from campsite to this claim. The line of surface outcrop of the vein is well over 400 ft. One open cut at the southeast end of claim on the contact of a quartz fault shows some exceptionally good scheelite ore with a width of 2 ft. This line of vein outcrop could very easily be the main feeder vein of the entire property. Here again, a tunnel should be driven from canyon or wash below with ample overhead stopeing 200 to 300 ft.

WATER

An old well on the She-Lite No. 5 claim in the center of total property has been reopened to a depth of some 14 ft, and there is evidence the well is some 7 to 10 ft. deeper with a 12 ft. tunnel leading into the water strata. At the present time, there is some 1,000 cu. ft. or 7,480 gallons of water in the well. There are 2 other old wells on the property not as yet reopened. These are the only known water wells nearby or in a radius of 23 miles.

It is the opinion of the undersigned, sufficient water can be developed for domestic and mill operations. A good wash bedded road has been recently built 1,056 feet to this opened well.

CONCLUSION

The company's Midnight mines-Bell Flat Tungsten property indicates the existence of ore in substantial qualities and quantities. From experience and known incomes from surrounding mines, it is reasonable to assume that there should be many thousands of dollars worth of excellent ore available for milling on the company property to make a well planned program of good mining and future ore development.

Respectfully submitted

MYSTERY MOUNTAIN URANIUM, INC.

George C. Marbut

By George C. Marbut
Consulting Geologist and M.E.

12th day of Dec. 1955

NEVADA MINERAL LABORATORIES
Reno, Nevada

ASSAY CERTIFICATE 4-4-56

L.M. Bobeau, Mystery Mountain Uranium, Inc.

	WO^3 PerCent	
201-1	1.95	
202-1	10.00	(not included in average)
203-1	6.50	
204-1	0.36	
205-1	2.40	
206-1	3.33	

Average 2.92 Per cent

Signed: J.Ben Parker

True Copy
JEM.

Assay Report
UNION ASSAY CORPORATION, Inc.
Salt Lake City 10, Utah

Mine - Ted Monson, Mystery Mountain Uranium, Inc.

May 8,1956

U_3O_8 - - - - - - -15.06 percent Picked sample

Signed A.C. Selby

True copy.

Laboratory Report
SMITH-EMERY COMPANY

August 2,1955

Laboratory
No. 405296

Sample Pulp

Received 7/23/55

Marked " Sample #11"

Submitted by Nevada Testing Laboratory
300 Boston Avenue
Las Vegas, Nevada

REPORT OF DETERMINATION

Tungsten trioxide (WO^3) - - - - - - - - - - 0.69%

Signed: Smith Emery Co.
Chemists and Engineers

Ted Monson, Mystery Mountain Uranium, Inc.

True copy.

C.D. Northrup
Mining Geologist
Valuations
Reports

telephone 6865

L.M. Bobeau, C.E.
Registered
Ohio
South Dakota
Nevada-675

L.M. BOBEAU
Consulting Engineer
State of Nevada Water Rights Surveyor
United States Deputy Mineral Surveyor
206 Stewart Street - P.O. Box 427
Las Vegas, Nevada

Monday, March 12, 1956

Dr. A. M. Lovaas,
320 South 3rd Street
Las Vegas, Nevada,

Re: Tungsten Properties, Gabbs.

Dear Dr. Lovaas,-

Day before yesterday, Saturday March 10th 1956, I went over the Scheelite claims 16 miles northwest of Gabbs Nevada.

The veins were sampled in both tunnels and on the long surface outcrops across the claims. These samples were checked by black light and look like very acceptable ore.

The structures are uniformly consistent, and the veins are well defined with widths of from 4 to 6 feet in ore. It is very unusual to secure samples I have in my possession from these surface showings. I am holding some of these samples in my collection.

The claims will well justify further exploratory expenditure in mining operations. About 6000 tons or more can be bulldozed out in one location while diamond drilling is being done.

Yours very truly,

Signed
L.M. Bobeau Consulting Engineer.

Copy

JAN 28 1957

DATE	INITIALS	CODE

REPORT

The Midnight and Shelite group of thirteen (13) Tungsten Claims is located in the south end of Churchill County about sixteen (16) miles northwest of Gabbs, Nevada, in Bell Flat, Carson Sink, Geological Survey quadrangle, T15N, R34E.

The properties are approached by a level road paved most of the sixteen (16) miles.

There is evidence of an abundance of water from spring sources and the general geology would indicate that artesian wells could be secured by drilling in the low area of the claims camp.

A day was spent in going to the claims, sampling, and return trip. The purpose of this trip and preliminary sampling was merely for a preliminary examination and opinion as to the justification for further mining effort.

SAMPLING AND EXAMINATION:

Workings on these properties are of no great extent, and consist principally of two (2) tunnels about sixty (60) feet in length. These tunnels were drifted principally along the strike of the veins in medium grade ore, under the hanging walls. However, some good ore has been obtained so far on surface sampling on the quartzite outcrop veins that run for a considerable distance over and through the mountain in a northwesterly direction. These veins are about four (4) to six (6) feet wide and on about a sixty (60°) dip to the southeast. In the main canyon there is a side slip fault of about eighty (80) feet. The formations and contacts are argillaceous, metamorphosed sandstones; and the ledge and vein materials are quartzites, felsites and grandiocites of secondary origin. Where observed, the footwalls in the ore structures are a metamorphosed sandstone, in some cases very hard and brittle and resembling a schist.

STRUCTURES:

The general area of the claims is an upheaved pressure ridge of secondary origin, having created some cross fractures and faults with vuggy materials in hydrothermal veins. The ore bearing veins, however, are easily traced, and there is a good continuity of strike, and dip for moderate distances. At the eastern base of the mountain there is a vertical slip or shear zone about 2 to 4 feet high in exposed face, and running north and south generally. Surrounding generally the claim area, there is an intrusive dike of diorite and grandodiorite.

CONCLUSIONS AS TO MINING:

No ground should be opened up until the ore bodies, veins and formations are proven out by a diamond drill and coring program; and in the meantime small scale ore removal and exploratory work could be carried out on the known ore bearing bodies. However, on the principal vein on the Shelite claim, a practical and economical stripping and pit mining operation can be carried out as soon as a mill can be set up to run through about 10,000 tons of surface ore. This stripping and pit operation can be carried out along the vein outcrop for about a 20 foot depth, by drilling with a jack drill and heavy shooting of the vein, followed by a pass over the loose material with a D-8 or D-9 bulldozer, pushing the ore down the vein pit to the crusher bulkhead or head bins. The bulldozed waste rock and stripping can be pushed downhill for a fill on the roadways and mill site and waste dump.

MILLING EQUIPMENT:

The necessary milling equipment should function only far enough for the proper degree of metal separation, in closed circuits to the desired fines and results. A recently developed and tried mill made by Black at Bishop, operates on a good closed circuit flow, with phenominal metal separation and percentage of recovery. The writer has seen this mill. The Black mill has no rolls. The small mill observed however, had a capacity of only about one ton per hour; but I understand that Black is coming out with some larger ones. The mill is of simple design and construction. A Mr. Charles Howe at the Labbe mine is setting up one of these mills; and he said that he would be glad to make a pilot sample test run on Tungsten ore when submitted. He claims better than 95% recovery on some of the Tungsten ore that he has run. This, of course, is a dry mill.

CONCENTRATION:

After milling, the concentrate can be hauled to the railroad for shipment at Luning, Nevada. The concentrate can be handled in dry state in paper lined burlap bags, in order to keep down wastes as against the bulk method. It is doubtful if an expensive final recovery would be justified beyond the jigs. There are three tungsten mills at Gabbs, Nevada, and it is understood that floatation after jigging was difficult and expensive to control; and the final floatation has been abandoned.

These Bell Flat calims can be considered as having rich grade ore as revealed by the samples assayed. Usually where ore is low grade, say 0.30% strained and expensive efforts are used, aiming at upgrading recovery, and the processes become cumbersome and expensive, with grave losses.

MARKET:

The General Services Administration has for sometime purchased tungsten under a domestic buying program with a limitation of 3,000,000 units with the buying program terminating sometime in May or June, with the present purchasing program continuing. Under the provisions of this program, a fixed price of $63.00 per unit is stipulated for domestic grade concentrates of 60% or higher WO^3 content; foreign tungsten concentrates of 60% WO^3 are quoted at about $34.00 per unit.

Many mines and mills operate on ores as low as 0.3% to 1.4% WO^3. The final answer of commercial ore is contingent upon the characteristics of the specific ore, its location, impurities, treatment costs and a number of other factors.

Many ores in which the tungsten is intimately mixed, require fine grinding, with the result of low recoveries. In the coarse grained ores, relatively free from impurities, it is possible to secure from 90 to 95% recovery. The Bell Flat ores seem to be coarse grained. It requires in each case, however, that laboratory ore dressing tests be made for a proper flow sheet; and then also, as mining operations progress, the ore may change in character.

LARGE TUNGSTEN OPERATIONS:

Some of the outstanding tungsten operations, many of which are in the State of Nevada, the nation's largest tungsten producer, are located as follows:

The Getchell Mine, Red House, Humboldt County, Nevada
The Wah Chang Mining Corp'n, 84 miles west of Caliente, Lincoln County, Nevada
Union Carbide and Nuclear Corp'n, Pine Creek, California which is 21 miles northwest of Bishop.

ASSAYS:

The following assay results indicate a wholesome grade of ore, determined from six samples at several openings on the property:

Sample	Present WO^3
201-1	1.95%
202-1	10.00 Piece of high grade
203-1	6.50
204-1	0.36
205-1	2.40
206-1	3.33
Average	2.92% with high grade sample removed.

The property can be classified as above the average on the sampling so far, and gives promise of a good economical development with proper direction,- proveded that the tungstite (WO^3) remains, and change of ore, say to Powelite, Ferberite or Wolframite are not encountered. From the assays, these latter did not appear. Under the Scheelite group may be classified the following:

Scheelite	$CaWO_4$
Cuprotungstite	$CuWO_4$
Cuproscheelite	$(CaCu)WO_4$
Powelite	$Ca(MoW)_4$
Stolzite	$PbWO_4$
Wulfenite	$PbMoO_4$

In some tungsten properties, difficulties have arisen with the tungstate and molybdates of the wolframite group, consisting of Ferberite ($FeWO_4$) and Wolframite $(FeMn)WO_4$, where Tungstite has been attempted in separation on jigging; and magnetic separators have used in expensive processes. Apparently any of the above do not exist as determined from the assays, and the ore encountered is of good merchantable value, if attended with good sorting and selective mining operations.

The quality of the ore is present, but it will be necessary to determine the position and extent of the ore structures before mining operations on a large scale are started.

Respectfully submitted,

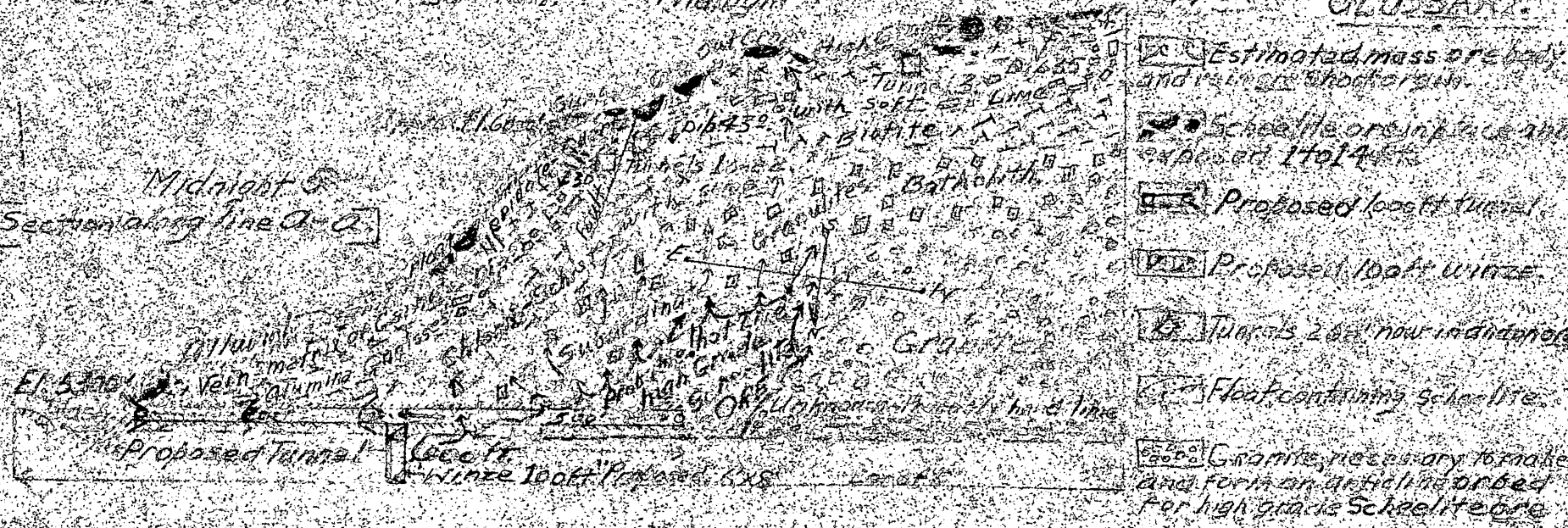
Signed

L. M. BOBEAU. Consulting Engineer
United States Mineral Surveyor
206 Stewart Street
Las Vegas, Nevada

#1

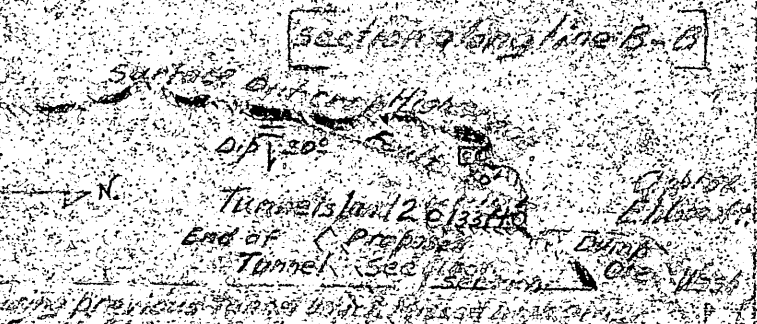
Period 1/10/57 G.C.M.

Scale 1" = 100 ft. Plot No. 1 "Midnight"



Proposed cross cut 100 ft (probably one) to gain overhead stoping on veins. It is estimated from geological and topographic outcrop conditions the proposed tunnel will cut a number of veins and for the last 1/3 of the tunnel contact the Granite bedded Tungstic oxide, Scheelite ore, usually in quantity and of high grade value. Due to contour and wash canyons the entire operation are of national value, also dump space for the 28,000 cu. ft. tunnel.

Midnight and Midnight 5 Claims Decl. 1955
Midnight-Tungsten Mine-Property of
MYSTERY MOUNTAIN URANIUM, INC.
By [illegible]



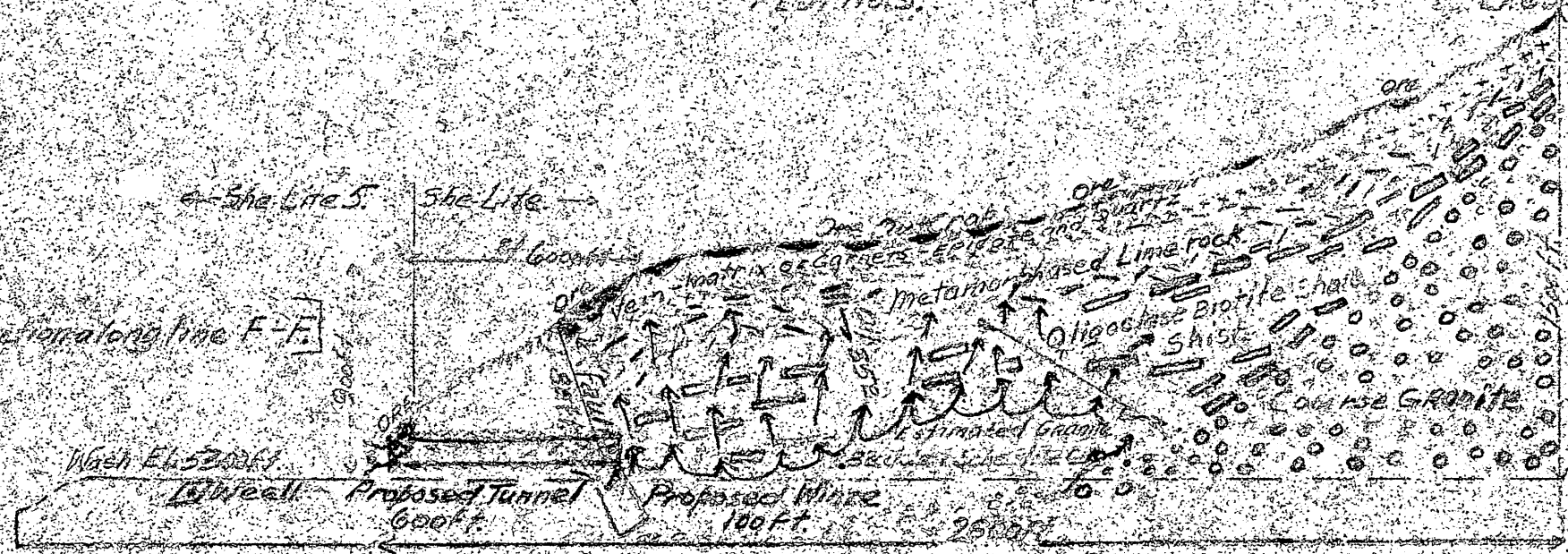
Note: Cross section showing previous tunnel work, [illegible] are due to recent found fault. [illegible] tunnel is on commercial ore.

#2

Revised 1/10/57 F.C.M.

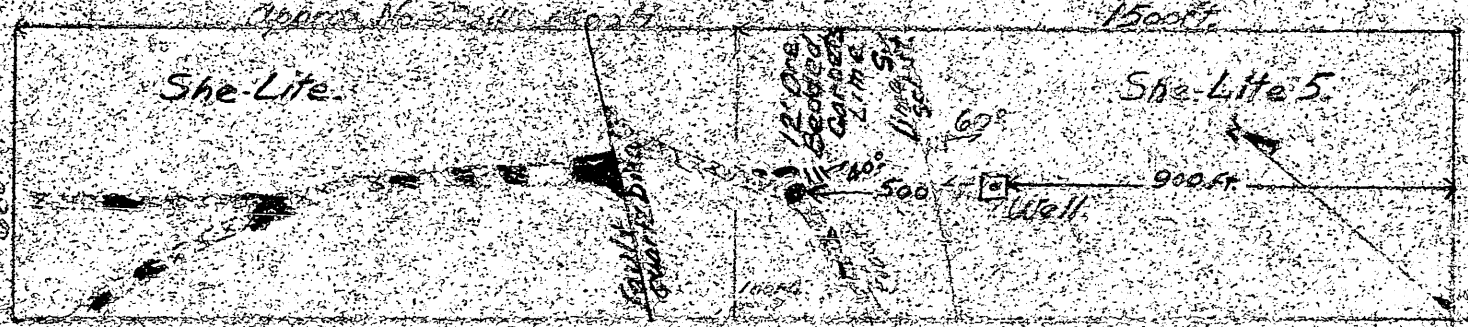
Scale 1" = 250 ft.

PLOT No. 3.



Proposed Crosscut fault 600 ft (probably on ore) to reach contact, surface open cut shows 12" ore bedded garnets with high grade ore. Purpose: to reach granite bedded scheelite ore, usually found in quantity and of high grade value.

Dec 12th 1955 Plot 3
She-Lite and She-Lite 5
Piedmont Tungsten Mine
property of
MYSTERY MOUNTAIN CORPORATION
Comp. by Frank C. Blanchard
Consulting Geologist
and Engr.



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[illegible]	RUN	Mr. Ernest L. Kropp	RUN
[illegible]	STOP	Rm. 5152	STOP
[illegible] Hammond	RUN	PERSONNEL	RUN
Design & Const.	STOP	Bureau of Mines	STOP 35
[illegible] Hammond	RUN	Mr. Brewer 2326	RUN
Design & Const.	STOP	Mr. W. T. Mud 2517	STOP
[illegible] Conley	RUN	Miss F. E. Harris	RUN
Rm. 3041	STOP	Room 3044A	STOP
[illegible]	RUN	Dr. Bryan	RUN
Rm. 3524	STOP	Rm. 3623	STOP
[illegible]	RUN	Mr. Apelado	RUN
[illegible] Int.	STOP	Rm. 3511	STOP
[illegible] Sayler	RUN	Mr. May	RUN
Div. of Personnel Management		Room 2609	
[illegible] 6250 Interior	STOP		STOP
[illegible] La Salle	RUN	Stores & Shipping	RUN
LA Rm 4223	STOP	Room 1070	STOP
[illegible] Sayler	RUN	Mr. Burrows	RUN
Div. of Personnel		Int. Bldg.	
6250 - Office of the Sec'y	STOP	Rm. B-207	STOP
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7124	STOP	Int.	STOP

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DMEA Form 7
(12-56)

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Date	Surname	Code
4-16	Chapman	400
4-16	Martin	400
4/17	Selbridge	130
"	Olson	110
"	Mittendorf	100
4/18	C	220
		225

APR 17 1957

Mystery Mountain Uranium, Inc.
320 South Third Street
Las Vegas, Nevada

Re: Docket No. DMEA 4620 - Tungsten
Midnight Tungsten and Bell Flat
Tungsten properties
Churchill County, Nevada

Kiilsgaard
Lamb

Gentlemen:

Your application for an exploration project and other data available to us in Washington concerning the above-referenced 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 of the National Defense Program.

Careful study of all the new information submitted in your application, together with other available data as well as the results of three field examinations of this property, indicates to us that the probability of disclosing minable ore reserves is not sufficiently promising to justify Government participation in its exploration. We therefore regret to advise you that your application is denied.

Your interest in the Defense Minerals Exploration Administration program is greatly appreciated. Thank you for bringing this property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman:am 4-16-57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT REG II
Messrs. R. Holliday, USBM
T. Kiilsgaard, USGS

8623

DMEA Form 7
(12-56)

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Date	Surname	Code
4-15	Chapman	400
4-15	Martin	400
		130
		110
		100
		220

April 15, 1957

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of the subject application for exploration assistance in the amount of $106,165.00
Docket No. DMEA 4620 - Tungsten
Mystery Mountain Uranium, Inc.
Midnight Tungsten and Bell Flat Tungsten properties
Churchill County, Nevada

Denial of the subject application is recommended by this Division based on the following information:

Two previous applications were made for exploration assistance on this property.

In May 1951, Mark Harris (Docket No. DMA-1621X) made an application for exploration assistance. Mr. Harris did not agree with changes in the work suggested by the examining engineers and the application was withdrawn.

In March 1954, the Midnight Tungsten Mine, Inc., (Docket No. DMEA 3268) made application for exploration assistance. Another examination of the property was made and denial was recommended. A denial was written from the Washington office.

The recent applicant, Mystery Mountain Uranium, Inc., requested exploration assistance to the amount of $106,165.00 on January 22, 1957, for bulldozing, 1,200 feet of adit and a 45 foot shaft. A field examination of the property was made on February 20, 1957, by Henry W. Jones, Bureau of Mines and Robert G. Reeves, Geological Survey, accompanied by George Marbut and Ted Monson representing the applicants.

Applicant: Mystery Mountain Uranium, Inc.
320 South Third Street
Las Vegas, Nevada

Property Ownership: The owners of 10 unpatented lode mining claims, Mark Harris, Fred T. Pine, and William W. Brown, have entered into a Lease and Option to Purchase with the Mystery Mountain Uranium, Inc., dated November 11, 1955. These claims are located in section 6, T. 14, N. R. 34, E., the Bell Flat Mining District, Churchill County, Nevada, and recorded as follows:

8623

Name of Claim	Book No.	Page No.
Shelite	24	199
Shelite No. 1	24	200
Shelite No. 2	24	203
Gateway	24	216
Midnight	24	214
Midnight No. 1	24	215
Midnight No. 2	24	213
Midnight No. 3	24	217
Midnight No. 4	24	214
Midnight No. 5	24	212

Geology: The country rock in the mine area is schist with three interbedded limy beds, that have been intruded by granite, aplite and rhyolite dikes and sills, and all have been cut by Northwest striking faults. The limy beds, up to 10 feet in thickness, can be traced in discontinuous outcrops for 3000 feet along the strike. In two localities they are marbleized, but mainly they have been metamorphosed to tactite. Most of the tactite contains small amounts of scheelite.

There are no ore bodies of commercial grade exposed on the property. The scheelite occurs in small amounts along a strike of 3,000 feet and in crystals up to ½ inch in diameter.

Development: Various cuts and about 90 feet of underground work have been completed on the property, mainly as assessment work. This work confirms earlier conclusions that the possible ore bodies are small, discontinuous and low grade.

Samples including two taken across No. 1 limy bed, assayed as follows:

Sample No.	Width	%WO3	Limy beds
410	3 ft.	0.01	" "
411	2 ft.	0.01	" "
407 & 408	3 to 5 ft.	0.017 & 0.06	Ridge above adit #3
409	3 ft.	0.10	Shelite discovery

Proposed Work: The applicant proposes to do 50 days of bulldozer work for access roads and adit sites and 1,200 feet of drifting at a total cost of $106,165.00

Ore Values and Tonnage: There is no ore of an economic grade in sight and no tonnage can be measured.

History and Production: The property was located in August 1941, and has been held by complying with annual assessment requirements.

History and Production: Cont'd.

Two small shipments are reported to have been made from the property. One is reported to have had a gross return of $1,800 and the other was for a mill test. No exact data are available.

Comments and Conclusions: The Field Team believes there is little possibility of developing any significant quantity of ore of a minable grade and recommends denial of the application. The small amount of work done recently has shown nothing to change the conclusions resulting from the former examinations. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the conclusions and recommendation of the Field Team.

W. S. Martin

W. S. Martin, Chief
Iron and Ferro-Alloys Division

TLChapman:am
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.

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RECEIVED APR 8 1957

DATE	INITIALS	CODE
4/9	C	220
4/10	WSM	400

April 8, 1957

4620

Tungsten

Mystery Mountain Uranium, Inc.
Midnight Tung. & Bell Flat
Churchill County, Nevada

~~W. S. Martin~~, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Br. of Ferrous Metals & Ferroalloys
R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Application Report

Mar. 12, 1957 Mar. 26, 1957

x

x

x

x

X

I concur in the recommendation that the application for DMEA assistance be denied.

R. W. Holliday

Copy to: Branch of Ferrous Metals (2)
Mr. Lamb
Files

IN REPLY REFER TO:

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

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RECEIVED

DATE		CODE
3/25	C	220
3/26	WSM	400

March 22, 1957
Re: DMEA 4620
Mystery Mountain Uran., Inc.
Midnight and Bell Flat Properties
Churchill County, Nevada
$106,165 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring a large tactite zone by bulldozing and tunnelling.

The property has been the subject of 2 other applications, 1621X in 1951 and 3268 in 1954. The earlier was withdrawn because the applicant would not agree to surface work. The second application was denied because..."the possibilities of developing ore of mill grade are too meagre to warrant Government participation to explore the weakly mineralized silicated sections found on the property. Further consideration is not recommended".

Some work has been done since the second examination, but the examiners found no improvement in the outlook had been made and recommend that the application be denied. The sampling of the new exposures supports the recommendation 100 per cent.

I concur with the recommendations.

N. E. Nelson

N. E. Nelson

DMEA

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RECEIVED MAR 18 1957

DATE	INITIALS	CODE
3/18	C	220
		130
3/25	C	220
3/26	WSM	400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

March 14, 1957

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4620 (Tungsten)
Mystery Mountain Uranium, Inc.
Midnight Tungsten and Bell Flat
Tungsten Properties
Churchill County, Nevada
(Your letter, February 8, 1957)

Enclosed are four copies of a report by H. W. Jones, Bureau of Mines, and R. G. Reeves, Geological Survey, on subject property.

Roscoe Smith and I concur in the recommendation that the application for DMEA exploration assistance be denied.

S. Ricker

Encls.

Reviewed by
DMEA OPERATING COMMITTEE
3-22-57
(date)

FILE COPY
DMEA
RECEIVED MAR 18 1957

DATE	INITIALS	CODE
		130
		220
3/26	WSM	400

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4620 (Tungsten)
Mystery Mountain Uranium, Inc.
Midnight and Bell Flat tungsten properties
Churchill County, Nevada

by

Henry W. Jones
U. S. Bureau of Mines

Robert G. Reeves
U. S. Geological Survey

March 12, 1957

Reviewed by
DMEA OPERATING COMMITTEE
3-22-57
(Date)

CONCLUSIONS AND RECOMMENDATIONS

The Midnight and Bell Flat tungsten properties were examined on February 20, 1957 by Henry W. Jones, U. S. Bureau of Mines, and Robert G. Reeves, U. S. Geological Survey, accompanied by George Marbut and Ted Monson representing the applicant. The very little work done since the last DMEA examination confirms the previous conclusions that the meager showings do not justify Government participation. Examination and sampling of several new exposures of scheelite-bearing material confirms the small size, discontinuous nature, and low grade of the ore bodies. It is recommended that the application for DMEA assistance be denied, and that no further consideration be given to the property.

PREVIOUS DMEA EXAMINATIONS

The property is the subject of two previous DMA and DMEA examinations. Application DMA-1621X, September 1951, was denied "because the applicant did not agree that more extensive surface exploration should precede underground work"[1/]. The application

---

1/ Letter from P. W. Guild, USGS, to W. S. Martin, DMEA, March 16, 1954.

---

was withdrawn by the applicant. The property was examined by E. J. Matson, U. S. Bureau of Mines.

Application DMEA-3268 was denied because "....the possibilities of developing ore of mill grade are too meager to warrant Government participation to explore the weakly mineralized silicated sections found on the property. Further consideration is not recommended"[2/]. The property was

---

2/ Benson, W. T., and Smith, R. M., 1954, Midnight tungsten mine, Churchill County, Nevada: DMEA-3268 Application Rept. p. 2.

---

examined on April 1, 1954 by W. T. Benson, Bureau of Mines, and R. M. Smith, Geological Survey.

PRESENT DMEA EXAMINATION

The present applicant has done very little exploration, either surface or underground. About 90 feet of underground work has been done, mostly by the previous owner, Mark Harris, as assessment work, since the April 1, 1954 DMEA examination (fig. 2). The underground work serves to confirm the earlier conclusions that the ore bodies are small, discontinuous, and low grade.

Adit No. 2A. A cut above adit No. 2 was extended 15 feet southwesterly, and 28 feet of adit driven southwesterly from the face of the cut. This cut and adit are on the same bed as adit No. 2 and cut similar material.

Two feet of scheelite-bearing tactite near the face of the adit assayed less than 0.01 percent WO_3.

Adit No. 3. Adit No. 3 was extended 60 feet westerly, and a raise put up about 30 feet on a cross fault. Lamping disclosed no scheelite in the raise or extension, and no samples were taken.

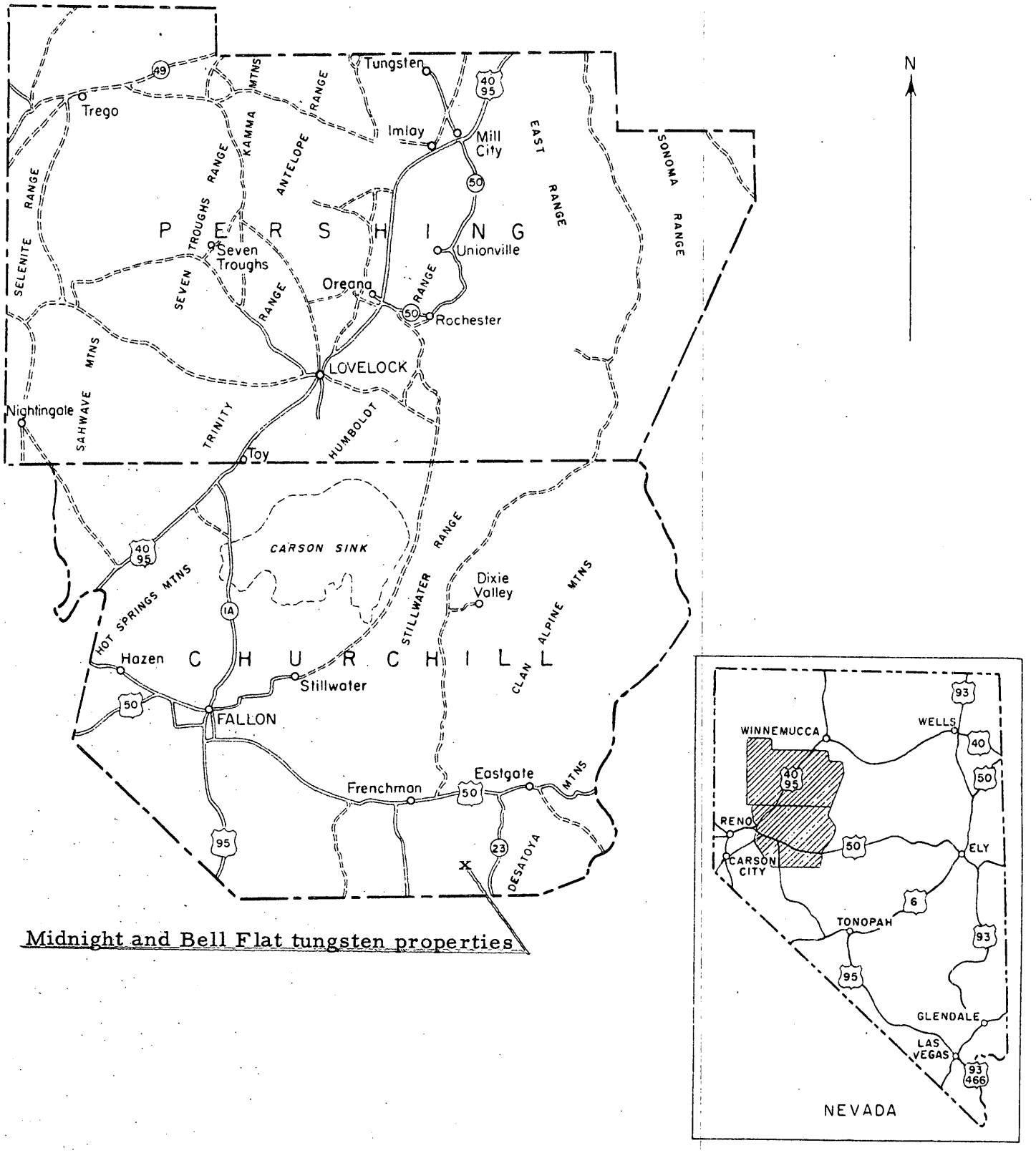
Ridge above No. 3 Adit. Bulldozer trenches at the intersection of Bed No. 3 and cross faults disclosed a small pod of scheelite-bearing material about 25 feet long east-west, and 3 to 5 feet wide. Samples assayed 0.17 percent WO_3 (BM-407) and 0.06 percent WO_3 (BM-408). As this is well below ore grade, no reserves are inferred.

SheLite discovery. A small cut across the faulted extension of bed No. 3 (?) about 150 feet south of the SheLite discovery was sampled (BM-409); the material assayed 0.10 percent WO_3 across 3 feet. Lamping indicated that the bed at this point contained more scheelite than elsewhere. This is borne out by a sample (BM-1652) taken during the April 1954 examination at the SheLite discovery, which assayed less than 0.01 percent WO_3 across 2 feet.

Bed No. 1. Two samples were taken across Bed No. 1, 200 feet southwest of the road. BM-410 assayed 0.01 across 3 feet, and BM-411 assayed less than 0.01 across 2 feet.

The small amount of tungsten contained in small, discontinuous lenses in the tactite beds does not justify the 1,200 feet of adit and

45 feet of shaft and incidental bulldozer work proposed at a cost of $106,000.00.



Midnight and Bell Flat tungsten properties

Figure 1. INDEX MAP OF CHURCHILL AND PERSHING COUNTIES, NEVADA

0 20 40 60 Miles

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 1 1957

DATE	INITIALS	CODE
3/5	C	220
3/5	WSM	400

1605 Evans Avenue
Reno, Nevada

February 27, 1957

Mystery Mountain Uranium, Inc.
320 South Third Street
Las Vegas, Nevada

Re: Docket No. DMEA-4620 (Tungsten)
Midnight Tungsten and Bell Flat
Tungsten Properties
Churchill County, Nevada

Gentlemen:

As requested in your application, we are returning escrow papers concerning referenced property (Escrow No. 12-2145, Trust Department, First National Bank of Nevada.

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encls.

SRicker:ft
cc: Opr. Com., DMEA, Wash. 25, D.C.
RMSmith
File

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/7	Chapman	400
2/7	Martin	400
2/8	Selfridge	130
"	Johnson	110
"	Chatterday	100
2/12	C	220

FEB 8 1957

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

400

Re: Docket No. DMEA 4620 - Tungsten
Mystery Mountain Uranium, Inc.
Midnight Tungsten and Bell Flat
Tungsten properties
Churchill County, Nevada

Dear Mr. Ricker:

The above docketed application for exploration assistance is being referred to your office for a field examination of the property.

Copies of memoranda dated January 28 and 31, 1957, by R. W. Holliday, Bureau of Mines, and H. E. Nelson, Geological Survey, respectively, relating to the project are enclosed. Also enclosed is an extra copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

TLChapman:am 2-7-57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT REG II
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

Enclosures

RCG

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/7	Chapman	400
2/7	Mayfield	400
2/8	Selfridge	130
"	Johnson	110
"	Mittendorf	100
		220

FEB 8 1957

Mystery Mountain Uranium, Inc.
320 South Third Street
Las Vegas, Nevada

Re: Docket No. DMEA 4620 - Tungsten
Midnight Tungsten and Bell Flat
Tungsten properties
Churchill County, Nevada

400

Kilsgaard
Lamb

Gentlemen:

The above docketed application for exploration assistance for tungsten ores has been reviewed by the Iron and Ferro-Alloys Division, of the Defense Minerals Exploration Administration, and referred to Mr. Spangler Ricker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

Any assistance you can give the members of the Field Team will be appreciated.

Sincerely yours,

G. O. Mittendorf

Administrator

TLChapman:am 2-7-57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT REG II
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

8623

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 1 1957

DATE	INITIALS	CODE
2-1	C	220
2/1	WSM	400

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

January 31, 1957

Re: DMEA 4620
Mystery Mountain Uranium Inc.
Midnight Tungsten Mine
Churchill Co.Nevada
$106,165.00 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of application.

The applicant requests assistance in exploring a tungsten bearing tactite deposit by bulldozing, and tunnelling. Maps and sections show many outcrops of ore, scattered over a very large area. No sampling appears to have been done. An examination is indicated.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

OFFICIAL FILE COPY DMEA RECEIVED JAN 29 1957		
DATE	INITIALS	CODE
1-29	CW	220
1/29	WSM	400
Memorandum		

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

Date January 28, 1957

DMEA Docket No. 4620
DMEA Contract No.
Commodity Tungsten
Name of applicant Mystery Mountain Uranium, Inc.
Name of property Midnight Tungsten-Mine Bell Flat
Location of property Churchill County, Nevada
Estimated cost of project

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Br. of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Br. of Ferrous Metals & Ferroalloys

Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 1/22/57. 2. Date received by reviewer: 1/28/57.
3. Prior reports on this property known to reviewer: Yes [ ], No [x].
4. Prior reports on nearby properties known to reviewer: Yes [ ], No [x].
5. Information available on past production: Yes [ ], No [x].
6. Other pertinent factors known to reviewer: Yes [ ], No [x].
7. Explain items marked yes above:

8. Factors needing special consideration:
a. Location [ ]
b. Ownership [ ]
c. Evidence of mineralization [ ]
d. Geology [ ]
e. Proposed exploration method [ ]
f. Alternate exploration method [ ]
g. Costs [ ]
h.

9. Action advised:
a. Obtain information from applicant [ ]
b. Refer to Field Team [x]
c. Denial [ ]
d. Agree with Field Team [ ]
e. Disagree with Field Team [ ]
f. Suggest alternate plan [ ]
g. Request another exploration [ ]
h. Approval [ ]
i. Consult with Mr. at

10. Remarks: (Use back of page if necessary)

Rw Holliday
R. W. Holliday

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

January 28, 1957

Mystery Mountain Uranium, Inc.
320 South 3rd Street
Las Vegas, Nevada

Subject: DMEA-4620

Gentlemen

Your application for exploration assistance, dated January 22, 1957 submitted to our office at Reno, has been assigned Docket Number DMEA-4620 and referred to the Iron and Ferro-Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

(Sgd) Allen S. Dakan (cw)

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Code 400

6416

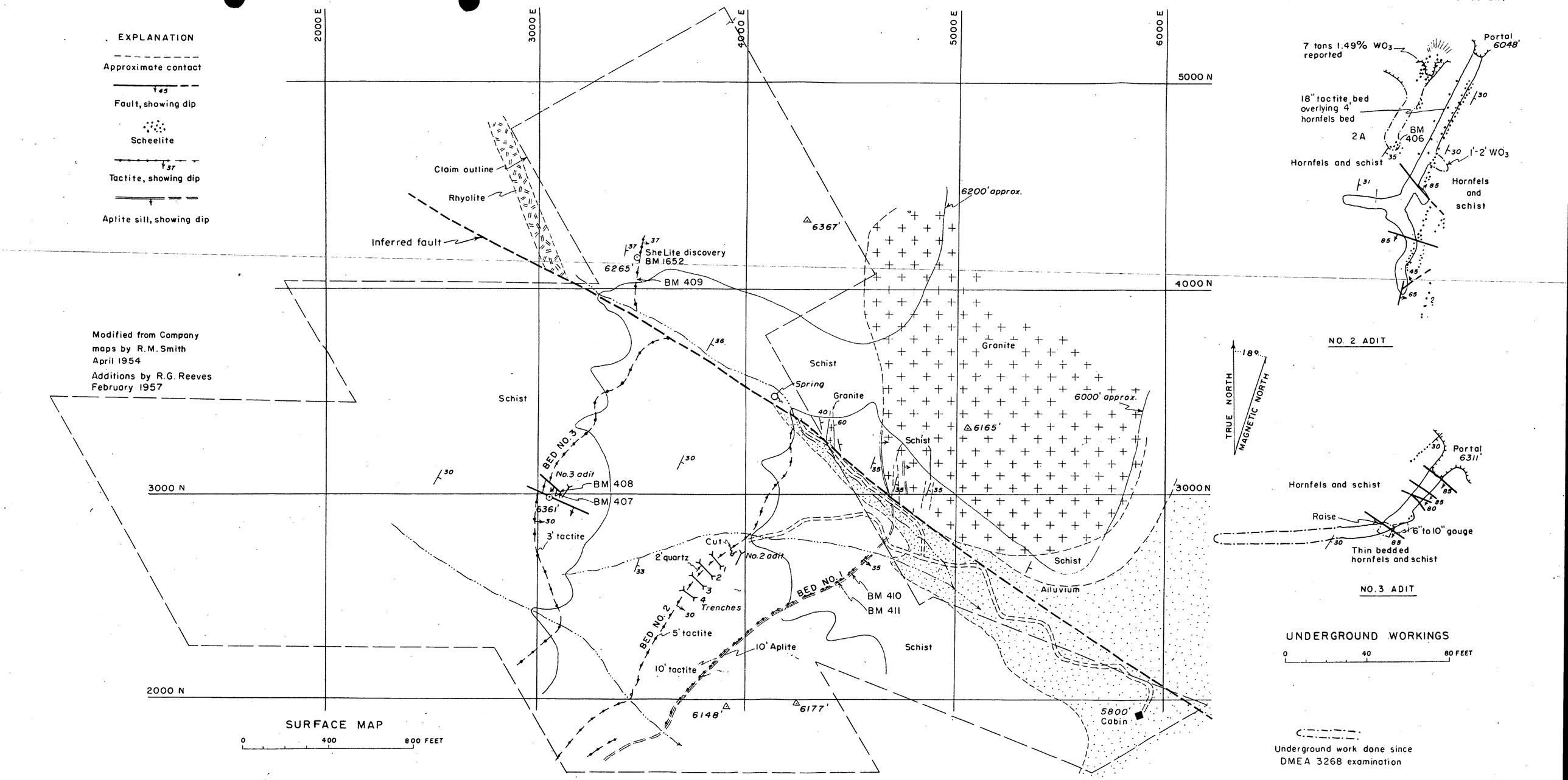
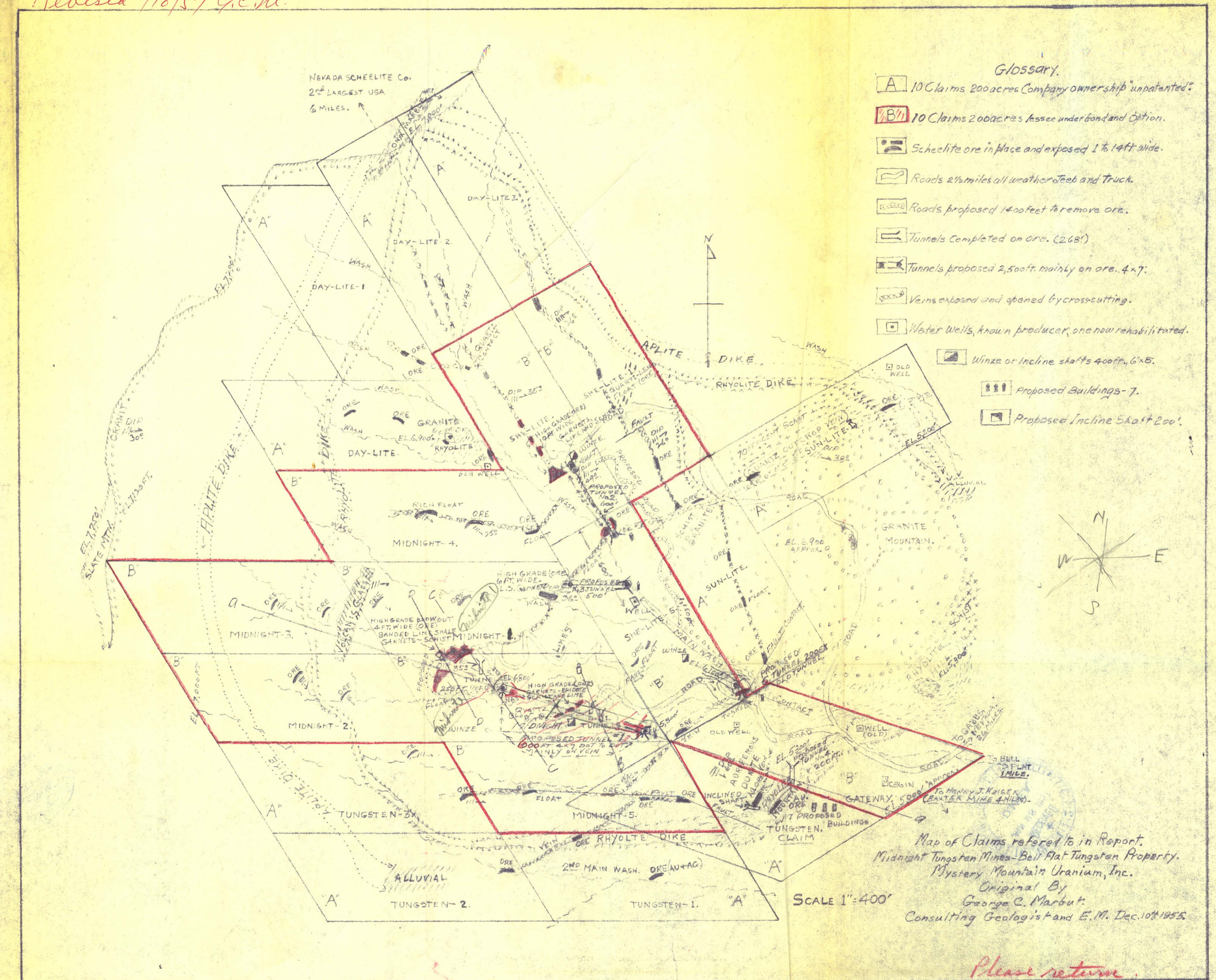


Figure 2. Midnight tungsten property, Churchill County, Nevada

Revised 1/10/57 G.C.M.



Map of Claims refered to in Report.
Midnight Tungsten Mines - Bell Flat Tungsten Property.
Mystery Mountain Uranium, Inc.
Original By
George C. Marbut.
Consulting Geologist and E.M. Dec. 10th 1955.

Please return.