UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (~~or cancelled~~) without certification. DMEA No. 1647

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

Left Side

Certificate of Audit (Final).

Interim Audit(s).

✓ Report of Review.

✓ Closing letter

✓ Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

✓ Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

Owner's Consent to Lien.

✓ Subordination Agreement.

✓ Leases and assignments of leases.

✓ Application and attachments.

Schedule of Collections.

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

Right Side

✓ Project summary.

✓ Work completed analysis.

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

✓ Final Field Team Report. (Tab)

Operator's Final Report.

✓ Interim Reports.

✓ On-site Exam Report(s). (Tab)

Settlement Sheets.

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

Maps in folder number_____

Operator's Monthly Reports in folder number _____

cw
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of

Thomas A. Hazelton

P. O. Box 136

Lemon Cove, California

pertaining to Exploration Project Contract No. Idm-E305, and Amendment No. 1, Docket No. DMEA-1647X, for the period August 1, 1952 to August 31, 1952, covering a project of exploration for Tungsten.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with Government representative who visited and examined the project, and a determination of the reasonableness and propriety of the cost.

This review was made in lieu of an audit of the Operator's accounts and records for the following reasons:

a. the administrative cost to the Government of an audit would be excessive in relation to the estimated amount of possible disallowances thereunder;

b. the Monthly Reports were supported by documentary proof of the costs incurred under the contract;

c. all allowable costs ($408.00) covered bulldozing - road work.

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

Total cost as billed by Contractor	$505.00
Exceptions:	
By DMEA Finance Officer	97.00
Total accepted cost	$408.00

The contract calls for a 75 per cent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Three Hundred Six and n0/100 Dollars

- $306.00

is considered valid and proper.

George Mavor

George Mavor
Auditor

January 20, 1953

FILE COPY
SURNAME:

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

Rutledge
Martin
Chandler
Pitkin
Hoffman
Hudson
Roper
Selfridge

FEB 27 1953

Mr. Thomas A. Hazelton
P. O. Box 136
Lemoncove, California

Re: Docket No. DMA 1647X - Tungsten
Thomas A. Hazelton
Mt. Lewis Tungsten claims
Tuolumne County, California
Contract No. Idm-E305

J.C. 3/2/53

Dear Mr. Hazelton:

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

The final audit of the contract expenditures and the monthly reports of the Operator and of the Field Team have been received and accepted by this Administration. Final reports by both the Operator and the Field Team are being waived because no exploration was conducted under the referenced contract. Of the total amount of $3,866.00 approved under Stage I of the contract (total contract - $5,960.00), the sum of $408.00 was expended, 75 percent of which, or $306.00, represented the Government's share. There were no unused materials, supplies, or equipment to be disposed of for the joint account of the Operator and the Government.

The rehabilitation of the road was the only work completed under the subject contract even though the contract was amended to allow additional time for completion. The contract was terminated December 31, 1952, because of the lack of diligence by the Operator.

Because no part of the exploration program under the contract was undertaken, no data regarding the mineralization were secured, and it is not our intention to make any certification of discovery or development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to Article 7(d) of the contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract."

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

Sincerely yours,

(signed) FRANK E. JOHNSON (for)

ACTING Administrator

FARutledge/ls 2/26/53

cc: Admn. Read. File
R. W. Geehan, USBM
D. M. Lemmon, USGS

cc: Docket
Field Team, Reg. 3
Operating Committee
Code 400

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

NOTICE OF TERMINATION OF EXPLORATION PROJECT CONTRACT, UNDER THE TERMS OF THE CONTRACT, BEFORE THE COMPLETION OF THE WORK

To: Mr. Thomas A. Haselton
P. O. Box 136
Lemoncove, California

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

Operator under Exploration Project
Contract ~~Idm-E~~ 305, Docket No.
DMEA-1647X, dated April 25, 1952

The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, under the terms of the above-mentioned contract, hereby terminates the contract on the following grounds:

> In the opinion of the Government, you have failed to prosecute operations pursuant to the terms of the contract.

Upon the receipt of this notice, as provided in said contract, you are required to dispose of any remaining materials, supplies, facilities, buildings, fixtures, equipment, or other items, in which the Government has an interest, for the joint account of yourself and the Government; and to render to the Government a full and final accounting of your operations under the contract and of your expenditures of money on account thereof.

Any work prosecuted or costs incurred by you after the receipt of this notice shall be for your sole account, except for (a) such necessary and reasonable costs and expenses as may be incurred in preserving and disposing of any facilities, buildings, fixtures, equipment, or other items, to the cost of which the Government has contributed and in which the Government has an equity, and (b) the costs of any reports, accounts, and winding-up and settlement actions provided for in the contract.

Dated this 31 day of December, 1952.

UNITED STATES OF AMERICA

By W. C. Miller
W. C. Miller
Executive Officer, DMEA Field Team
Region III, 1012 Flood Bldg.
870 Market Street
San Francisco 2, Calif.

Government Copy

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1952 JUL 7 AM 8:34

SAN FRANCISCO, CALIFORNIA

AMENDMENT NO. 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Exploration Project Contract Idm-E305

Docket DMEA-1647X

Thomas A. Hazelton

Article 3 of the Defense Minerals Exploration Project Contract Idm-E305, dated April 25, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Thomas A. Hazelton is hereby amended by striking out the typed-in phrase "thirty (30)" and substituting the phrase "ninety (90)" and striking out the typed-in phrase "four (4) months" and substituting the phrase "six (6) months."

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

Dated June 25, , 1952

UNITED STATES OF AMERICA

By H. C. Miller
H. C. Miller, Executive Officer - DMEA

By Thomas A. Hazelton
Thomas A. Hazelton, Operator

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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JUL 14 1952

AMENDMENT NO. 1

Docket No. DMA-1647X Mineral Tungsten

Exploration Project Contract Idm-E 305

Date of Contract April 25, 1952

Date of Amendment June 25, 1952

Operator Thomas A. Hazelton - Mt. Lewis Tungsten Claims

JUSTIFICATION

Contract was not received by operator until May 6, leaving only 16 working days to complete sub-contracts for road building and to obtain approval as required. Furthermore, subcontractors he planned to use were busy finishing the work at another of his mining operations. After finding that high water would prevent moving equipment to the Mt. Lewis claims within a 30-day extension to the contract, an extension of the starting and completion dates of 60 days was granted by Amendment No. 1.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 14 1952

MF-200
(June 1951)
(Revised Feb. 1952)

Docket No. DMEA 1647X
Commodity Tungsten
Idm-E305
Government's Copy

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

EXPLORATION PROJECT CONTRACT 1/

It is agreed this 25th day of April, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and 2/

Thomas A. Hazelton
P.O.Box 621
Lindsay, California

hereinafter called the "Operator," as follows:

ARTICLE 1. Authority for contract. This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Regulations for Government Aid in Defense Exploration Projects."

ARTICLE 2. Operator's property rights. With respect to that certain land situated in the State of California, County of Tuolumne, described as follows:

1/ If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.

2/ State name, address, and nature of organization if any.

3/ ~~The Iron King, the Limecap, the Tungstar, and the Hunch lode mining claims, and the Iron King Mill Site, known as the Mt. Lewis Tungsten Claims, and recorded respectively in Volumne 21, Page 549, of Quartz, and Volumne 19, pages 292, 294, 306, and 324, of Quartz, of the Tuolumne Mining~~ District Records of Tuolumne County, California.

the Operator represents and undertakes:4/

~~x(a) That the Operator is the owner in possession and entitled to possession and that the property is subject only to the following claims, liens or encumbrances as to each of which the subordination agreement of the holder is attached:~~ _____

_____

_____

_____

(b) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is attached:

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. Exploration project. The Operator, within ~~thirty (30)~~ days from the date of this contract shall commence

3/ Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.

4/ Strike out the provision not applicable.

on a project of exploration for[5] Tungsten

in or upon the described land; and shall bring the project to completion within a period of four (4) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided.

ARTICLE 4. Performance of the work. (a) Operator's responsibility. The work shall be performed efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmens' compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. To the extent specified in Exhibit "A" , attached hereto, the work may be performed by independent contractor or contractors; and work not specified in Exhibit "A" for performance by independent contractor may nevertheless be so performed upon amendment of Exhibit "A", as agreed to by the parties, to state the work to be so performed and the estimated unit costs thereof, as provided hereafter.

(b) Independent contracts. Any independent contract for the performance of work shall be on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved), or on some basis that will indicate the amount due for work performed at any stage of the work to be performed

5/ Name of mineral or minerals.

under such independent contract. The Government shall not be nor be considered to be a party to any such independent contract, and the Government's right to terminate the exploration project contract under any of its provisions shall not in any manner be affected by reason of any such independent contract. If the reference in Exhibit "A" to any such independent contract states that the Government's approval thereof is required, the Government may refuse to participate in the cost thereof unless and until it has given its written approval of the independent contract.

(c) Government may inspect. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 5. Estimated costs of the project. A statement of the estimated cost of the project is set forth in Exhibit "A", attached hereto. Except insofar as any item of requirement or the estimated cost thereof set forth in Exhibit "A" is there or elsewhere designated as an "allowable maximum," such items of requirement and of related cost are estimates only, and may be exceeded to the extent that the Government may from time to time approve for the most economic and beneficial performance of the work within the limitation of the total aggregate estimate of costs. The Government's approval of any such excess over the estimate for an item of requirement or related cost will be signified by its approval and payment of any invoice or voucher for payment which expressly calls attention to such excess. Items expressly designated in Exhibit "A" or

elsewhere as "allowable maximum," and the total aggregate estimated cost are limitations, and any excess therein will be for the sole account of the Operator in which the Government will not participate.

ARTICLE 6. Allowable costs of the project. (a) The costs of the project in which the Government will participate are limited to the following:

(1) Independent contracts. Payments to independent contractors under independent contracts listed in Exhibit "A". The estimated cost of any work to be performed under an independent contract is or shall be included in the estimate of costs in Exhibit "A" in terms of the estimated numbers of units of work to be performed, the estimated amount to be paid per unit, and the estimated total amount to be paid to the independent contractor, and such estimates shall be allowable maximums above which the Government will not contribute. Regardless of the provisions of any such independent contract, the Government will participate in the payments to the independent contractor only on account of work actually performed and that conforms with the provisions of the exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable and necessary. No such independent contract shall have the effect of increasing the estimated total cost of the exploration project contract nor the maximum amount which the Government will pay as provided in the exploration project contract.

(2) Labor, supervision, consultants. Labor, supervision and technical services (including engineering and geological consultants),

a schedule of which is included in the estimate of costs set forth in Exhibit "A". The requirements and related estimated costs for supervision and technical services are allowable maximums.

(3) Operating materials and supplies. Necessary materials and supplies including expendable items of equipment costing less than $50.00 each, and power, water, and fuel, a schedule of which is included in the estimate of costs in Exhibit "A".

(4) Operating equipment. Any operating equipment to be rented or purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or the allowable depreciation, as the case may be, a schedule of which is included in Exhibit "A". Any items listed for purchase or as owned and to be furnished by the Operator, and related purchase price and allowable depreciation, are allowable maximums.

(5) Rehabilitation and repairs. Any necessary rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and to be devoted to the purposes of the exploration contract, a schedule of which is included in the estimate of costs set forth in Exhibit "A". These items are allowable maximums.

(6) New buildings, improvements, installations. Any necessary buildings, fixed improvements, or installations to be purchased, installed, or constructed for the purposes of the exploration work, with the estimated cost of each, a schedule of which is included in the estimate of costs in Exhibit "A". All of these items are allowable maximums.

(7) Miscellaneous. Repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmens' compensation and employers' liability insurance and payroll and sales taxes.

(8) Unforeseen. Such other necessary, reasonable direct costs of performing the exploration work, within the limit of the total aggregate estimate of costs, whether or not included in any schedule of costs in Exhibit "A", as may be approved by the Government in the course of the work, as indicated by its approval and payment of invoices and vouchers.

(b) The Government's payments in all cases will be based on actual, necessary costs (including contract unit prices) incurred not in excess of any "allowable maximum," and not in excess of the fixed percentage of the total aggregate estimated cost. Costs will be considered to be incurred only as they are or become due and payable.

(c) 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 this contract, shall be allowed as costs of the project in which the Government will participate.

ARTICLE 7. Reports, accounts, audits. (a) Progress reports. The Operator shall provide the Government with monthly reports of work performed and costs (including contract unit prices) incurred under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator,

and shall constitute both the Operator's invoice of costs incurred on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

(b) Final report. Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(c) Compliance with requirements. If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(d) Accounts and audits. The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account as provided in Article 12.

ARTICLE 8. Payments by the Government. (a) The Government will pay 75 per cent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $ 4,470.00, which is 75 per cent of $ 5,960.00, the agreed, estimated total cost of the project in which the Government will participate; Provided, that until the Operator's final report and final accounting have been rendered to the Government, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) per cent of the maximum total which the Government might have been called upon to pay under the terms of the contract.

(b) The Government may make any payment or payments direct to independent contractors and to suppliers, for the account of the Operator, rather than to the Operator.

ARTICLE 9. Repayment by Operator. (a) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within ten years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which

the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said ten years have elapsed, whichever occurs first, as follows:

(1) One and one-half ($1\frac{1}{2}$) per cent of any such net amounts not in excess of eight dollars ($8.00) per tons

(2) One and one-half ($1\frac{1}{2}$) per cent of any such net amounts, plus one-half ($\frac{1}{2}$) per cent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) per cent of such net amounts.

(For instance: the percentage royalty on a net amount of five dollars ($5.00) per ton, would be one and one-half ($1\frac{1}{2}$) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half ($3\frac{1}{2}$) percent.)

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

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

(d) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 10. Assignment, transfer, or loss of Operator's interest. Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; Provided, that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of ten years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any

reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 11. Title to and disposition of property. All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

ARTICLE 12. Termination and completion. The Government may, at any time, by written notice to the Operator, terminate this contract: (a) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contracts; (b) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (c) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall dispose of any remaining materials, supplies, facilities, buildings, fixtures, and equipment in which the Government has an interest, for the joint account of the Operator and the Government in the proportion of their respective interests; shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; and shall pay to the Government its prorata share of any money remaining.

ARTICLE 13. Changes and added provisions. _____

_____

_____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

[redacted]
Operator

By [redacted]

By [redacted]
[redacted]

I, , certify that I am the secretary of the corporation named as operator herein; that who signed this contract on behalf of the operator, was then of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

[Corporate Seal]

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
JUN 9 1952

16042

EXPLORATION PROJECT CONTRACT
THOMAS A. HAZELTON
MT. LEWIS TUNGSTEN CLAIM
DOCKET NO. DMEA-1647X

EXHIBIT "A"

Statement of the Work

Stage I 1/

Time Schedule: 0 - 1 month

1. By contract bulldozing, repair 4 miles of dirt road leading from State Highway 108 to the Iron King Mine.

Time Schedule: 1 - 3 months

2. Extend the present adit approximately 46 feet to intersect and crosscut the vein. Then drift 39 feet northerly and 15 feet southwesterly along the vein. Samples are to be taken where warranted. (See "Sketch to Accompany Contract" attached hereto).

Stage II 1/

Stage II will be undertaken only after completion of Stage I to the satisfaction of and approval by the Government, which approval will be dependent upon the results of Stage I.

Time Schedule: 3 - 4 months

1. Extend the southwesterly drift (driven under Stage I, above) an additional 50 feet along the vein.

Estimated Cost of the Project

Fixtures and Improvements

Stage I

Not applicable

1/ All subcontracts are subject to prior written approval by the Government.

Stage II

Not applicable

Operating Equipment

Stage I

To be purchased

Not applicable

To be rented

Not applicable

To be furnished by Operator

Complete equipment for drifting; including air compressor, drill, column, arm, saddle, hoses, line-oiler, drill steel, water tank, mine car, track, air pipe and water pipe, etc., value $3,000, depreciation at 20%, or $50/mo., for 2 months	$ 100.00*

Hand tools, wrenches, shovels, etc., to be furnished by the Operator at no cost.

Stage II

To be purchased

Not applicable

To be rented

Not applicable

To be furnished by Operator

Complete equipment for drifting; including air compressor, drill, column, arm, saddle, hoses, line-oiler, drill steel, water tank, mine car, track, air pipe and water pipe, etc., value $3,000, depreciation at 20%, or $50/mo. for 1 month	50.00*

Labor and Supervision

Stage I		
1 - Working foreman 2/@ $16.00/shift, 44 shifts	$ 704.00	
2 - Laborers @ $12.00/shift, 44 shifts	1,056.00	
Compensation, OAB and FUI, estimated at 15%	264.00	$2,024.00*
Stage II		
1 - Working foreman 2/@ $16.00/shift, 22 shifts	352.00	
2 - Laborers @ $12.00/shift, 22 shifts	528.00	
Compensation, OAB and FUI, estimated at 15%	132.00	$1,012.00*

Consultant

Stage I and/or Stage II	
1 - Geologist-Engineer 3/@ $50.00 per day, but not to exceed 3 days per month, for 3 months	450.00*

Rehabilitation and Repairs

Stage I and/or Stage II	
Repair of operating equipment 4/	200.50*

2/ The working foreman will direct the day-by-day operation and be responsible for the cutting of representative samples and their subsequent handling.

3/ The Geologist-Engineer shall prepare adequate underground maps or sketches showing the progress of the exploration, with assays of samples taken, and they shall be included in the monthly reports, as required under Article 7 of the project contract.

4/ The repair and maintenance items are to be charged against the project only as incurred and spent while the equipment is working on the project.

Material and Supplies

Stage I

Fuel (gasoline or diesel oil), estimated at $4.00 per day, 44 days	$176.00	
Lubricating oil, compressor oil, drilling machine oil and grease, estimated	50.00	
Powder, caps, fuse, estimated at	300.00	
Ties - 50 - 4" x 6" x 36" @ $0.50 each	25.00	
Miscellaneous supplies, carbide, pipe fittings, track spikes, etc.	50.00	
Assays, estimated, 12 @ $5.00 each	60.00	
Drill steel and drill bits	109.00	$ 770.00*

Stage II

Fuel (gasoline or diesel fuel), estimated at $4.00 per day, 22 days	88.00	
Lubricating oil, compressor oil, drilling machine oil and grease, estimated	25.00	
Powder, caps, fuse, estimated at	150.00	
Ties - 25 - 4" x 6" x 36" @ $0.50 each	12.50	
Miscellaneous supplies, carbide, pipe fittings, track spikes, etc.	25.00	
Assays, estimated, 6 at $5.00 each	30.00	
Drill steel and drill bits	51.00	$ 381.50*

Independent Contracts

Stage I

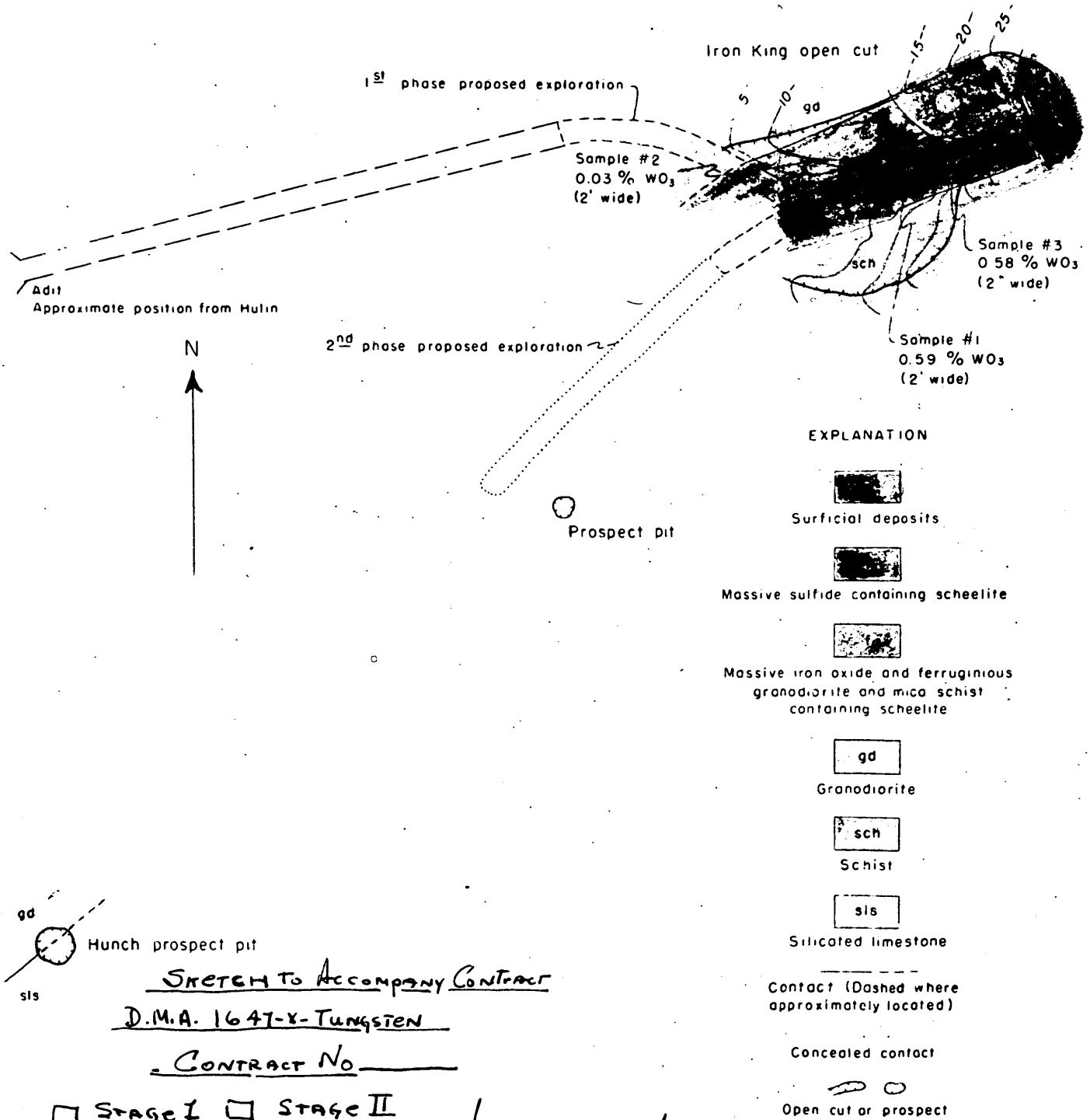
Bulldozer for road repair, 5/ 72 hours @ $13.50 per hour for actual operating time, but not to exceed	972.00*
Total Estimated Cost of Project	$5,960.00*
Government participation, 75% of the total estimate	$4,470.00*

5/ The hourly cost includes the wages of the equipment operator, fuel, lubricants, transportation, repair, maintenance, and all other costs.

*The items marked thus (*) indicate the allowable maximum. Only the component figures, which are estimated amounts, are variable by the Operator, provided that the aggregate total does not exceed the applicable marked figures.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMA-1647X
(TUNGSTEN)



SKETCH TO ACCOMPANY CONTRACT
D.M.A. 1647-X-TUNGSTEN
CONTRACT NO _____
☐ STAGE I ☐ STAGE II
Defense Minerals Exploration Adm
3-10-1952
by PLB.

Mapped by L. D. Clark, October 1951

~~Figure 2~~

SKETCH MAP OF IRON KING OPEN CUT AND HUNCH PROSPECT PIT
MT. LEWIS, TUOLUMNE COUNTY, CALIFORNIA

20 0 20 40 Feet

Contour interval 5 feet
Datum is floor of open cut

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1953 MAY 26 AM 8:36

SAN FRANCISCO, CALIFORNIA

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Tuolumne, State of California, described in a certain Exploration Project Contract dated April 25, 1952, between THOMAS A. HAZELTON,

the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated November 30th, 1950, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 1st day of March, 1952.

Jessie Sivori
JESSIE SIVORI

R. E. Maxwell
R. E. MAXWELL.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 10 1952

U. S. GOVERNMENT PRINTING OFFICE 16—64582-1

MF-200
(June 1951)

Docket No. DMA 1647X
Commodity Tungsten

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

Copy to Legal for filing

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2]

Thomas A. Hazelton
P.O. Box 621
Lindsay, California

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of California, County of Tuolumne described as follows: [3]

The Iron King, the Limcap, the Hunch, and the Tungstar lode mining claims, and the Iron King Mill Site, Known as the Mt. Lewis Tungsten Claims, and recorded respectively in Volume 21, page 549, of Quartz, and Volumes 19, Pages 292, 294, 306, and 324 of Quartz, of the Jacksonville Mining District Records of Tuolumne County, California

with respect to which the Operator represents and undertakes: [4]

~~(a) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:~~

~~Subordination agreement attached.~~

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for [5] Tungsten; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] four (4) months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of proper[illegible]* All facilities, buildings, fixtures, equipment[illegible] other items costing more than $50 each, paid for or purchased with funds co[illegible]ibuted jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $4,470.00, which is 75 percent of the agreed estimated total cost of this project, $5,960.00.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

(Operator)

By ----------

By ----------

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

Exploration Project Contract

Thomas A. Hazelton

Iron King Mine

(Mt. Lewis Tungsten Claims)

Docket No. DMA 1647X - Tungsten

Exhibit "A"

Description of the work

Stage I(1)

Time Schedule
Month

0 - 1 1. By contract bulldozing, repair 4 miles of dirt road leading from State Highway 108 to the Iron King mine. ~~at a cost not to exceed $972.00.~~

1 - 3 2. Extend the present adit approximately 46 feet to intersect and crosscut the vein. Then drift 39 feet northerly and 15 feet southwesterly along the vein. Samples are to be taken where warranted. (See "Sketch To Accompany Contract" attached hereto). ~~and made a part hereof.)~~

Stage II(1)

Stage II will be undertaken only after completion of Stage I to the satisfaction of and approval by the Government, which approval will be dependent upon the results of Stage I.

3 - 4 1. ~~Drive a drift~~ Extend~~ing~~ the southwesterly drift (driven under Stage I, above) ~~for~~ an additional 50 feet along the vein.

(1) ~~As indicated in section 4 of the contract,~~ All subcontracts are subject to prior written approval by the Government. ~~in writing.~~

Estimated Cost of the Project

Stage I

Fixtures and Improvements

Not applicable

Stage II

Fixtures and Improvements

Not applicable

Operating Equipment

Stage I

To be purchased

Not applicable

To be rented

Not applicable

To be furnished by the Operator

Complete equipment for drifting; including air compressor, drill, column, arm, saddle, hoses, line-oiler, drill steel, water tank, mine car, track, air pipe and water pipe, etc., value $3,000, depreciation $50/Mo., 2 months — 100.00 *

Hand tools, wrenches, shovels, etc., to be furnished by the Operator at no cost

Stage II

To be purchased

Not applicable

To be rented

Not applicable

To be furnished by the Operator

Complete equipment for drifting; including air compressor, drill, column, arm, saddle, hoses, line-oiler, drill steel, water tank, mine car, track, air pipe and water pipe, etc., value $3,000, depreciation $50/Mo., 1 month — 50.00 *

Labor, ~~and~~ Supervision

Stage I

1 - Working foreman(2) @$16.00/shift, 44 shifts	704.00	
2 - Laborers @$12.00/shift, 44 shifts	1,056.00	
Compensation, OAB and FUI, estimated at 15%	264.00	2,024.00 *

Stage II

1 - Working foreman(2) @$16.00/shift, 22 shifts	352.00	
2 - Laborers @$12.00/shift, 22 shifts	528.00	
Compensation, OAB and FUI, estimated at 15%	132.00	1,012.00 *

(2) The working foreman will direct the day-by-day operation and be responsible for the cutting of representative samples and their subsequent handling.

Rehabilitation and Repairs

Stage I and/or Stage II

Repair of operating equipment, (4) estimated at $200.50		200.50 *

(4) The repair and maintenance items are to be charged against the project only as incurred and spent while the equipment is working on the project.

Material and Supplies

Stage I

Fuel (gasoline or diesel oil), estimated at $4.00 per day, 44 days	176.00	
Lubricating oil, compressor oil, drilling machine oil and grease, estimated	50.00	
Powder, caps, fuse, estimated at	300.00	
Ties - 50 - 4" x 6" x 36" @ $0.50 each	25.00	
Miscellaneous supplies, carbide, pipe fittings, track spikes, etc.	50.00	
Assays, estimated, 12 @ $5.00 each	60.00	
Drill steel and drill bits	109.00	770.00 *

Stage II

Fuel (gasoline or diesel fuel), estimated at $4.00 per day, 22 days	$88.00	
Lubricating oil, compressor oil, drilling machine oil and grease, estimated	25.00	
Powder, caps, fuse, estimated at	150.00	
Ties - 25 - 4" x 6" x 36" @ $0.50 each	12.50	
Miscellaneous supplies, carbide, pipe fittings, track spikes, etc.	25.00	
Assays, estimated, 6 @ $5.00 each	30.00	
Drill steel and drill bits	51.00	$381.50 *

Mobilization

Contract ~~Bulldozing~~ ~~(4)~~ 5

Stage I

Bulldozer, for road repair, 72 hours @ $13.50 per hour for actual operating time, but not to exceed	972.00 *

~~(4)~~ 5 The hourly cost includes the wages of the equipment operator, fuel, lubricants, transportation, repair, ~~and~~ maintenance, and all other costs.

CONSULTANT

~~Miscellaneous~~

1 - Geologist-Engineer (3) @ $50.00 per day, but not to exceed 3 days per month, for 3 months	450.00 *

(3) The Geologist-Engineer shall prepare adequate underground maps or sketches showing the progress of the exploration, with assays of samples taken, and they shall be included ~~them~~ in the monthly reports, as required under ~~section~~ article ~~12~~ 7 of the project contract.

Total Estimate	5,960.00 *
Government participation, 75 percent of the ~~above~~ total estimate	4,470.00 *

No costs for additional building, installations, fixtures, equipment, or improvements to be purchased, rented, repaired or rehabilitated, except as listed above, are to be allowed as costs under this contract.

Underground maps showing the monthly progress of the exploration, ~~with~~ and assays of samples taken concurrently with the advance, where warranted, are to be included in the progress report required under ~~section 1-2~~ article 1-2 of the project contract. In case such maps are not submitted, the Government at its discretion may have the necessary work performed and charge the same to the contract.

~~The amounts shown herein are estimates only, and such overages as may in some items appear during the progress of the work may be allocated to other items upon the written approval of the Executive Officer of the DMEA Field Team.~~

* The items marked thus (*) indicate the allowable maximum. ~~Amounts allowable of~~ Only the component figures, which are estimated amounts, ~~but~~ are variable by the Operator, provided ~~that~~ the ~~total~~ aggregate total does not exceed the applicable marked figure.

ORIGINAL APPLICATION BY: J.J. SIVORI & HEL COEUR, ASSIGNED TO:
THOMAS A. HAZELTON
P.O. BOX 1148,
VISALIA, CALIFORNIA

MINING LEASE

This indenture of Bond and Lease made and entered into this 30 day of November, 1950, by and between J.B. Sivori, J.C. Sivori, and R.D. Maxwell Jr. of Tuolumne County, State of California, Lessors, and Hel Coeur of Denver, Colorado, Lessee.

WITNESSETH

In consideration of rents, royalties, covenants and agreements hereinafter set forth, said Lessors do hereby grant, demise and lease all of that certain mining property situated in the Tuolumne Mining District, Tuolumne County, California, consisting of those certain mining claims known as:

THE MR. LEWIS TUNGSTEN CLAIMS recorded as follows:

Iron King	recorded	in	Volume	21	page	549,	of	quartz,
Lime Cap	"	"	"	19	page	292,	"	"
Tungstar	"	"	"	19	"	294	"	"
Hunch	"	"	"	19	"	306	"	"
Hillsite	"	"	"	19	"	324	"	" ,

All in Tuolumne Mining District Records of Tuolumne County, California and all tailings impounded on the Layman ground.

Said Lessee is hereby granted for and during the term of this lease full right and possession and use of and title to all ores, water, machinery and equipment now located on or within said properties; also the right to conduct mining and milling operations of whatsoever character on and within said properties during the term of this lease for the use and benefit of said Lessee without restriction.

Lessors hereby warrant and agree to defend the title to the prop-

erties herein described or referred to against any adverse claims whatsoever and represent and covenant that they have rightful possession thereof and the right to make this lease under the laws of the United States and the State of California.

Lessee agrees to commence work in good faith on the above mentioned claims in a workmanlike manner and of good mining character within ninety (90) days from date hereof and shall continuously prosecute said work in and on said claims during the life of this agreement and that said Lessee shall work not less than sixty (60) shifts of eight (8) hours each calender month during the life of this lease unless conditions such as fires, strikes, or acts of God may prevent him from doing so.

Lessee agrees to perform or cause to be performed all assessment work upon said property required by law and to duly record proff thereof as required by law.

Lessee further agrees to pay all taxes levied against said property and to keep said property ~~free~~ free from all debt of his making.

Lessee further agrees to keep mine working in proper repair and condition consistent with good and economical mining practice.

Lessee shall keep books of account covering all mining and milling operations and receipts therefrom to which the Lessors shall have access at all reasonable times.

Lessee agrees to carry at all times adequate compensation insurance with the State of California or other responsible Insurance Company.

Lessors shall have access to all mine workings at all reasonable times and shall have the right to post non-reasponsibility notices upon said premises.

Should the Lessee fail, neglect or refuse to carry out any of the above terms and conditions in this lease set forth for the period of ninety (90) days after written notice of default shall have been served upon him, specifying the particular breach of condition constituting such default, this contract shall become null and void, if within said ninety (90) day period specified Lessee has not cured said default by performance; and all payments made thereon shall be retained by the Lessors as liquidated damages for he use of and occupancy of said premises as the consideration for which this agreement is executed, and said Lessee shall thereon forthwith deliver up to the said Lessors the peaceful possession of said premises.

At any time after this Lease becomes operative the Lessee may terminate the same upon giving the Lessors ninety (90) days written notice of his intention to do so.

Provided also, and it is hereby agreed, that in the event of the termination of this Lease otherwise than by completion of purchase, then all buildings, structural work and improvements, both under ground and on the surface, shall remain in and upon said ground and become the property of the Lessors.

Lessee further agrees to pay to the said Lessors in part payment of rental and purchase price, ten per cent (10%) of the gross receipts obtained from all mining and/or milling operations, on and from said properties, and it is further agreed that said gross returns shall be determined by the net smelter and/or mint returns, said 10% shall be paid to Lessors on or before the 10th day of each calendar month next following receipt thereof by Lessee at Bank Of America, Sonora, California.

When the total amount of royalties paid to the Lessors under this Lease out of smelter and/or mint returns, as hereinbefore provided, shall equal the sum of Twenty-five Thousand Dollars (25,000.), or when the Lessee at his option shall have anticipated the same by payment in lawful money of the United States of America to said Lessors in the sum which when added to the realties theretofore paid shall equal the aforesaid sum of Twenty-five Thousand Dollars (25,000). Then and in that event the Title to said Mining properties shall vest in and belong to said Lessee, his heirs, representatives and assigns.

Lessors covenants and agree to place in escrow in the Bank Of America, Bank at Sonora, California, a good and sufficient deed, duly executed and acknowledged, conveying the Title in and to said properties to the Lessee, his heirs, representatives and assigns with instructions to deliver said deed to said Grantees in the event above set forth.

It is further agreed and understood that this Bond and Lease is assignable and that should the same be assigned, said Lessee must immediately notify said Lessors of such assignment.

This Lease will inure to the ben ifit of and binding upon the heirs, adminstrators and assigns of the parties hereto.

J. B. Sivori.by J.C. Sivori.

J. C. Sivori.

R.H. Maxwell Jr.
Lessors.

Mel Coeur.
Lessee.

May 6th, 1951, Tuolumne, Calif.

I, Mel Coeur, for and in consideration of the payment of One (1.00) Dollar, receipt of which is hereby acknowledged, seal, transfer and assign all of my rights title, interest and equity in and to the above mining lease.
Mel Coeur.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma/1647X

Date received 6-6-51

Participation

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
MAY 31 1951
SAN FRANCISCO, CALIFORNIA

THOMAS A. HAZELTON
P. O. BOX 1148
VISALIA, CALIFORNIA.

Name and address of applicant

Date May 27th, 1951

FILL IN THIS BLOCK

Date of application May 27th, 1951

Estimated cost $20,000.00

Mineral or metal TUNGSTEN

Percentage of Government participation 75%.

Location of mine MT. LEWIS, TUOLUMNE COUNTY, CALIFORNIA.

Date of filing MF-100 Concurrently herwith.

DMA Docket Number, if available do not know.

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual.

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. attached hereto,

*5. Are you the owner or the lessee of the property? Lessee.

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract. Lessors did this on original application.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

(Name of company)	By Thomas A. Hazelton (Signature of authorized official)
MAY 27TH, 1951 (Date)	LESEE (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Attach to form MF-103. Application of:

Thomas A. Hazelton,
P.O. Box # 1148,
Visalia, California.

7. Applicant is Lessee. Copy of Lease attached.
Note. Lessor signed original application.

8. Financial statement will show four large tungsten properties, which I have obtained this last few months and my money has been pretty well expended in that direction during the last year. An Engineer and tungsten expert have been employed almost constantly during this time. Names and locations of the other properties, available if you wish.

9. Applicant has promise of $5,000.00 with which to proceed of which a part has already been advanced. We will however have sufficient to meet our part of the estimated cost.

10. a The real property involved in the exploration project is the Iron King Mine, Lime cap, Hunch and Tungstar, in addition to which there is a five acre mill site adjoining the Iron King. The property is situated in Section 12 and 13, TWP 2-N, R 16 E, M.D.B. & M. Tuolumne County, California.
b Both parcels are the same.

11. The present names are given in number 10 above.

12. The property is approximately 12 miles to either Sonora or Tuolumne, and Rail road facilities are available at both places. The property is reached over highway 108 to Pinecrest, then North and East 2½ mi., on a country dirt road. The majority of the latter has a 22% grade, and is kept up to some estent by the County road Department. A portion of this dirt road, has no service whatsoever and is quite impassable. A road could be built along the Tuolumne River bank for about 2 miles that would permit ingress and egress throughout the winter months with relative ease as it would be below the snow line.

13. This is answered on Form 100 at No. 14, & 15.

14. This is answered in No. 17.

15. The ore could be milled on the adjoining property where there is a 235ton mill, easily converted from Gold to Tungsten and which is now available, thus we would save hauling charges of the ore and waste, merely have hauling on the concentrates themselves. From this point it would be an easy matter to make del ivery by truck to B ishop or Fresno, if desired.

16. See MF 100 Item 11.

17. Mine not in operation.

18. Copy of Engineer's report attached.

19. See M F 100 Item 18.

20. Exploration for Tungsten, W03.

21. The exploration work will consist of removing over burden running drifts, addits and such shafts as are found necessary, requiring approximately six months to complete.

22. Geological report attached.

23. This is covered by set-up set, which we trust you will find in order.

24. This schedule is included in the above mentioned set-up.

DECLASSIFIED BY DOE ARCHIVES
Department of Energy
Washington, D.C. 20585
JAN 9 - 1991
DECLASSIFIED

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 - 1951
LANDON F. STROBEL
Executive Secretary

ORIGINAL APPLICATION OF: J. J. SIVORI AND MEL COOR, ASSIGNED TO
THOMAS A. HAZELTON
P.O.BOX 1148,
VISALIA, CALIFORNIA.

-Copy-

University Of California

October 17, 1941.

Mt. Lewis Tungsten Claims.

This memorandum, while largely qualitative, will serve to record the economic possibilities of the Mt. Lewis Tungsten Claims, located about three miles south of Confidence, in Tuolumne County, California. The property was visited on October 10-11, 1941.

The group of claims lies approximately one-half mile south of the North Fork of the Tuolumne River, and at estimated elevations of from 500 to 1000 feet above the river.

The group consists of four lode locations and a mill site, as follows:

Iron King
Lime Cap
Hunch
Tungstar
Iron King Mill Site

These are shown in approximate location on the accompanying sketch map.

Three occurrences of tungsten ore have been partially developed on these claims, as follows:

1. In the west-central portion of the Tungstar claim.
2. In the west-central portion of the Lime Cap claim.
3. In the west-central part of the Iron King claim. This latter occurrence extends into the north and center of the Hunch.

The first two of these occurrences, while offering possibilities for the development of ore, appear decidedly subordinate, on the basis of present development, to the ore occurrence on the Iron King. It is believed that the possibility of developing a productive mine on the Mt. Lewis Tungsten claims is primarily contingent on the possibilities of the Iron King deposit. In the light of this conclusion only scant attention was given to the other two.

The Tungsten occurrence on the Tungstar Claim occurs along an intrusive contact between a granitic rock, which will be referred to as "granodiorite", and metamorphosed sediments, here consisting chiefly of mica schist, but elsewhere locally consisting of quarzite and crystalline limestone.

The tungsten mineralization appears to have been localized by shearing which followed the intrusive contact. The mineralization consists of scheelite, quartz, a moderate amount of sulphides, chiefly pyrrhotite, and epidote, perhaps accompanied by other high temperature silicates.

Development work consists of a short tunnel along the intrusive contact.

As observed at night, using an ultra violet lamp, the distribution of scheelite, while locally good, was extremely erratic, and was largely limited to a zone ranging from two ro four feet in width. This zone was followed for about 200 feet up the hill to the eastward, and while scheelite was observed continuously through this distance, little idea could be

obtained as to widths, due to the drifting around of the surface float.

The tungsten occurrence on the Lime Cap is developed by an open cut in schist, well away from any observed occurrence of granodiorite. The mineralization is localized by minor fracturing and shearing, which was so weak, however, that the actual trend of the fracture zone could not be definitely ascertained. A sprinking of sulphides and of quartz stringers is visible in the rock face of the cut, and with ultra violet light a scattering of scheelite grains is to be observed. This occurance is the least favorable of the three.

The Iron King deposit must be regarded as a high temperature vein which has been localized by sheering which followed the intrusive contact between a tongue of granodiorite and mica schist.

In the vicinity of the open cut on the Iron King deposit, the tongue of gronodiorite is only about 75 feet wide, and to the northeastward the tongue terminates against quartzites within 50 feet of the open cut.

As shown on the accompanying map, the vein strikes northeastward, s stands nearly vertical, and is terminated on the northeast by a cross fissure. This cross fissure must be regarded as a pre-mineral structure which terminated the vein fissure at the time of the mineralization. It is thus not a fault in the normal sense of the word, but a m inor fissure, perhaps even a joint surface which formed an original and boundary to the vein fissure. In consequence no continuation of the vein to the northeastward of this termination can be anticipated.

Close to this crossing the vein fissure opened to produce a vein from 8 to 10 feet in thickness; but 50 feet from the crossing the vein thickness decreases to only 4 feet; and in the bed of the canyon, 155 feet further to the southeast, the exposed thickness is only about 2 feet. The chief ore occurrence is thus found within the last 50 feet of vein adjacent to the cross fissure.

Development on the Iron King vein consists of a large surface cut on the wide portion of the vein outcrop near the cross fissure, and shallow trenching in the canyon bottom near the center and line of the Hunch. In addition there is an early-day tunnel approximately 90 feet in length which is entirely in the gran odiorite. The face of this tunnel is approximately 35 feet, shortest distance, from the north wall of the vein.

The showing of scheelite under ultra violet light is quite favorable and sonsistent, not onl y in the main open cut on the Iron King, and on the stockpile of ore from that cut, but also in the trench exposure in the bottom of the canyon.

In addition to the scheelite, field and polished section studies show the oreto consist of principally quartz and pyrrhotite; with smaller amounts of epidote and perhaps of other high temperature silicates; a minor am't of chalcopyrite; and very minor amounts of white metallic mineral, finely intergrown with the pyrrhatite, and while not defintely identified, quite possibl e y a mineral of nickel and cobalt. The occurrence of hematite could not be confirmed. In addition, abundant limonite occurs in the outcrop, the result of oxidation of the pyrrhotite. The depth of oxidation appears to be only a few feet.

Specific gravity determinations were run on two large reasonably average specimens of ore, the results being 3.2 and 3.5 These gravities would be equivalent to 10.00 and 9.1 cu. ft./ton of ore. A mean value of 9.5 cu.ft./ ton has therefor been assumed for the ore, the equivalent of a mixture of 36 % pyrrhotite and 64 % quartz. Pure pyrrhotite would run about 7. cu. ft./ton.

Tonnage calculations are indicated on the section, using this figure of 9.6 cu.ft./ton. These calculations assume a constant thckness of vein with depth.

Above creek level, 5532. tons of ore are indicated. Of this, 4,000 tons occurs within the first 50 feet from the cross fissure.

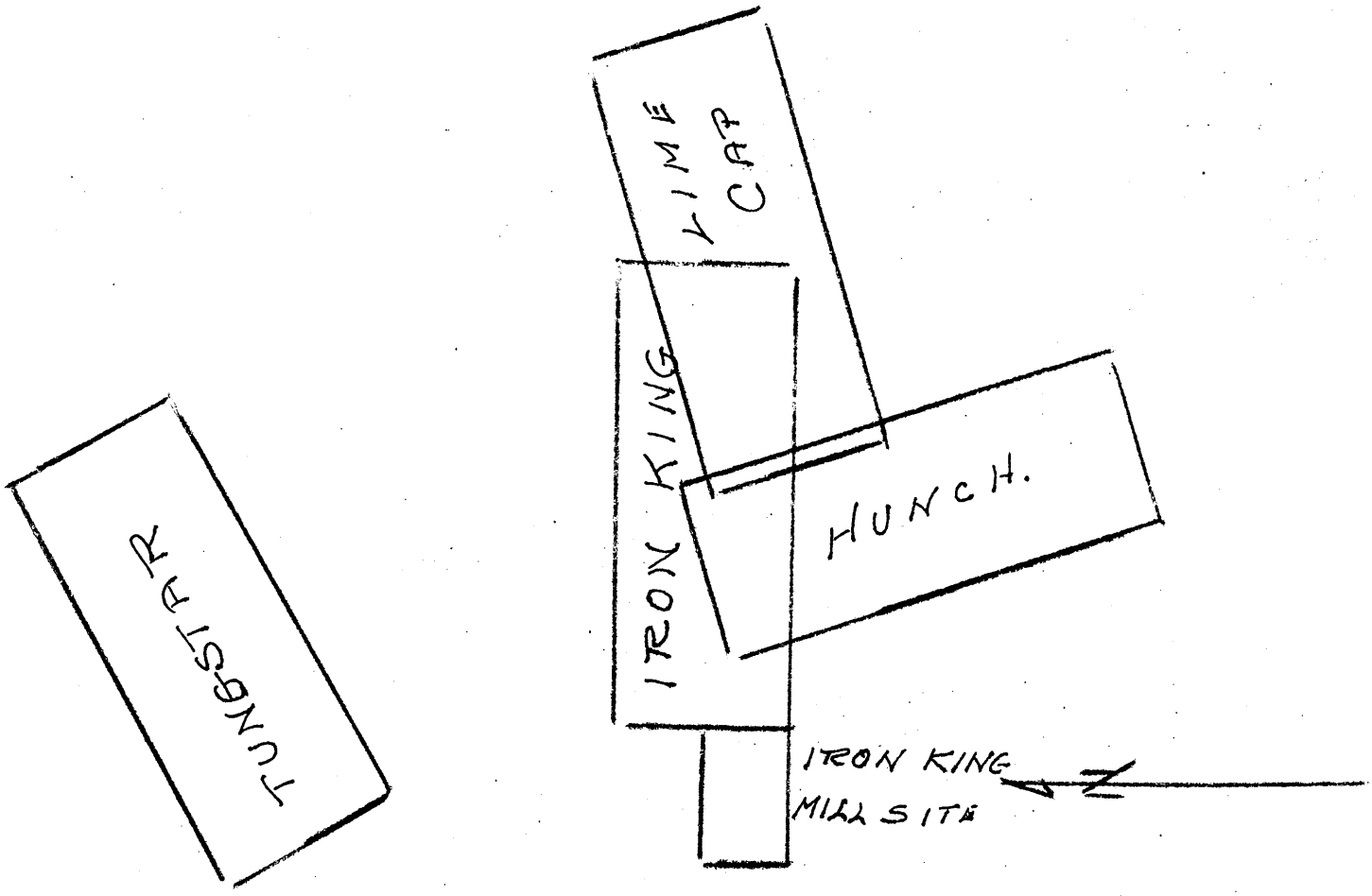
B elow creek level, a figure of 75./tons vertical foot is obtained, actually no information is available from present exposures to indicate what large changes in thickness might be expected with depth. The thickness might remain constant, as was assumed in the foregoing calculations; or either increases or decreases might occur.

Whatever the changes in thickness which may occur with depth, it can be stated defintely that no change in the nature of the mineralization need be anticipated. The type of mineralization here represented should be reasonably consistent in it's downward continuation.

It is believed that the most desirably immediate development Of The Iron King Deposit would be to continue the tunnel (see map), as a crosscut to intersect the vein and test the thickness of the vein at that elevation.

Respectfully submitted,

Carlton D. Hulin.
(signed).



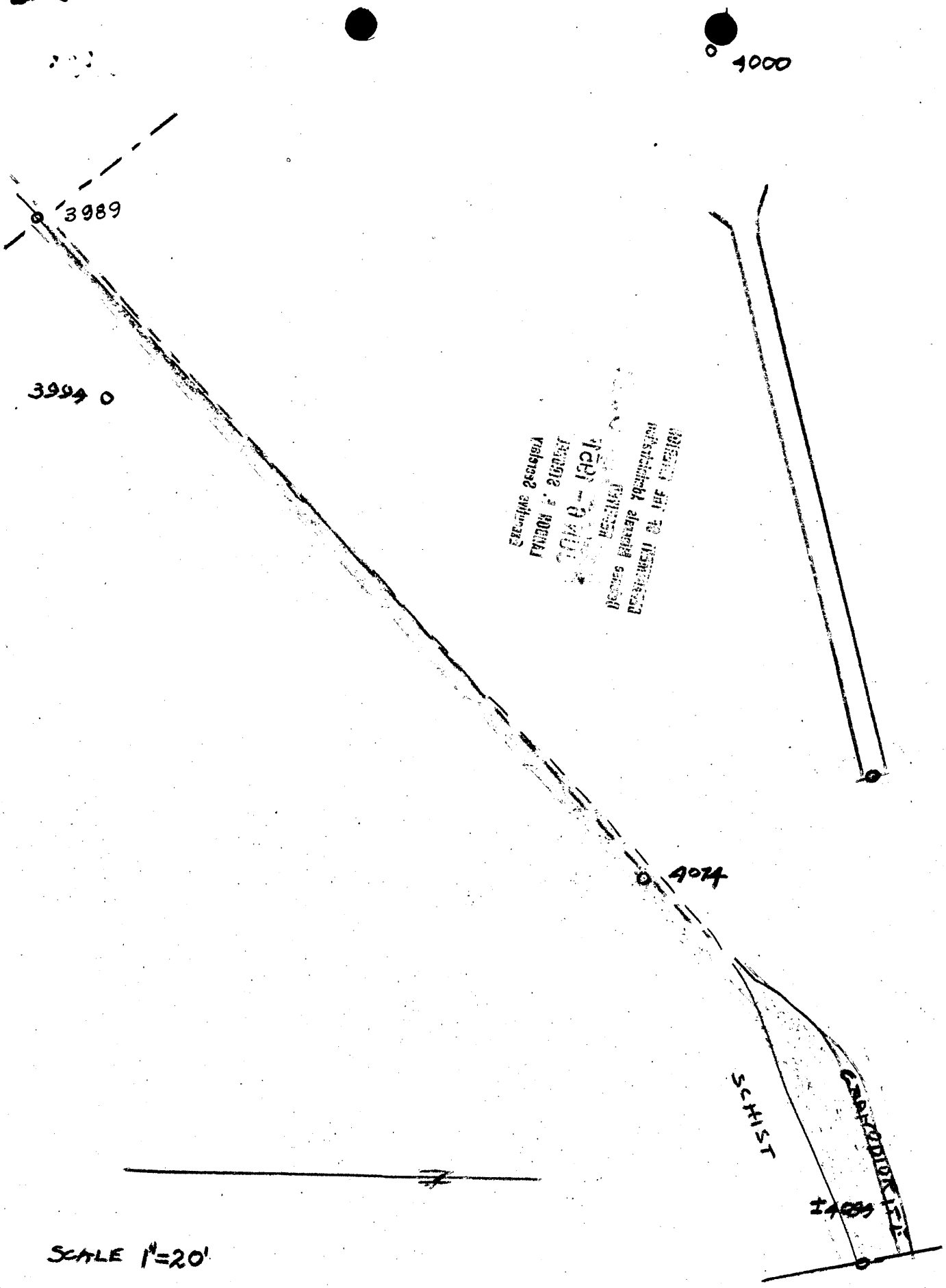
Sketch Map Showing
Mt. Lewis Tungsten Claims.

Th. = 2' L. = 28' HT. = 5/2 = 2½' AREA = 56 FT.² VOL. = 140. FT.³ 15. T.	Th. = 2' L. = 106' HT. = 5 X 85 / 2 = 45' AREA. = 212. FT.². VOL. = 9540. FT.³ 100 A. T.	TH. = 3' L. = 19' HT. = 85' AREA = 57 FT.² VOL. = 4845 FT.³ 510. T.	TH. 6½' L = 18' HT = 92' AREA = 117. FT.² VOL. = 10,764 FT.³ 1153. T.	Th. = 9' L. = 30' Ht. = 101' AREA = 270 FT.² VOL. = 27,270. FT.³ 2870. T.
6. T.	22.3 T	6. T.	12.3 T.	28.4 T.

TOTAL 5532. T.

TOTAL 75. TONS/VERT. FOOT.

SCALE 1" = 30 FT.


4000
3989
3994
4024
SCHIST
GRANODIORITE
±4035
SCALE 1"=20'

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED May 31-1951
JUN 6 - 1951
LANDON F. STROBEL
Executive Secretary

ORIGINAL APPLICATION BY: J?J. SIVORI & MEL COEUR, ASSIGNED TO:
THOMAS A. HAZELTON
P.O. BOX 1148,
VISALIA, CALIFORNIA

M I N I N G L E A S E

This indenture of Bond and Lease made and entered into this 30 day of Novenber, 1950, by and between J.B.Sivori, J.C.Sivori, and R.E.Maxwell Jr. of Tuolumne County, State of California, Lessors, and Mel Coeur of Denver, Colorado, Lessee.

W I T N E S S E T H

In consideration of rents, royalties, covenants and areements hereinafter set forth, said Lessors do hereby grant, demise and lease all of that certain mining property situated in the Tuolumne Mining District, Tuolumne County, California, consisting of those certain mining claims known as:

THE MR. LEWIS TUNGSTEN CLAIMS recorded as follows:

Iron King	recorded	in	Volumne	21	page	549,	of	Quartz,
Lime Cap	"	"	"	19	page	292,	"	"
Tungstar	"	"	"	19	"	294	"	"
Hunch	"	"	"	19	"	306	"	"
Millsite	"	"	"	19	"	324	"	" ,

All in Tuolumne Mining District Records of Tuolumne County, California and all tailings impounded on the Layman ground.

Said Lessee is hereby granted for and during the term of this lease full right and possession and use of and title to all ores, water, machinery and equipment now located on or within said properties; also the right to conduct mining and milling operations of whatsoever character on and within said properties during the term of this lease for the use and benefit of said Lessee without restriction.

Lessors hereby warrant and agree to defend the title to the prop-

erties herein described or referred to against any adverse claims whatsoever and represent and covenant that they have rightful possession thereof and the right to make this lease under the laws of the United States and the State of California.

Lessee agrees to commence work in good faith on the above mentioned claims in a workmanlike manner and of good mining character within ninety (90) days from date hereof and shall continuously prosecute said work in and on said claims during the life of this agreement and that said Lessee shall work not less than sixty (60) shifts of eight (8) hours each calender month during the life of this lease unless conditions such as fires, strikes, or acts of God may prevent him from doing so.

Lessee agrees to perform or cause to be performed all assessment work upon said property required by law and to duly record proff thereof as required by law.

Lessee further agrees to pay all taxes levied against said property and to keep said property ~~from~~ free from all debt of his making.

Lessee further agrees to keep mine working in proper repair and condition consistent with good and economical mining practice.

Lessee shall keep books of account covering all mining and milling operations and receipts therefrom to which the Lessors shall have access at all reasonable times.

Lessee agrees to carry at all times adequate compensation insurance with the State of California or other responsible Insurance Company.

Lessors shall have access to all mine workings at all reasonable times and shall have the right to post non-reasponsibility notices upon said premises.

Should the Lessee fail, neglect or refuse to carry out any of the above terms and conditions in this lease set forth for the period of ninety (90) days after written notice of default shall have been served upon him, specifying the particular breach of condition sonstituting such default, this contract shall become null and void, if within said ninety (90) day period specified Lessee has not cured said default by performance; and all payments made theron shall be retained by the Lessors as liquidated damages for he use of and occupancy of said premises as the consideration for which this agreement is executed, and said Lessee shall thereon forthwith deliver up to the said Lessors the peaceful possession of said premises.

At any time after this Lease becomes operative the Lessee may terminate the same upon giving the Lessors ninety (90) days written notice of his intention to do so.

Provided also, and it is hereby agreed, that in the event of the termination of this Lease otherwise than by completion of purchase, then all buildings, structural work and improvements, both under ground and on the surface, shall remain in and uppn said ground and become the property of the Lessors.

Lessee further agrees to pay to the said Lessors in part payment of rental and purchase price, ten per cent (10%) of the gross receipts obtained from all mining and/or milling operations, on and from said properties, and it is further agreed that said gross returns shall be determined by the net smelter and/or mint returns, said 10% shall be paid to Lessors on or before the 10th day of each dalendar month next following receipt thereof by Lessee at Bank Of America, Sonora, California.

When the total amount of royalties paid to the Lessors under this Lease out of smelter and/or mint returns, as hereinbefore provided, shall equal the sum of Twenty-five Thousand Dollars ($25,000.), or when the Lessee at his option shall have anticipated the same by payment in lawful money of the United States of America to said Lessors in the sum which when added to the roalties theretofore paid shall equal the aforesaid sum of Twenty-five Thousand Dollars ($25,000). Then and in that event the Title to said Mining properties shall vest in and belong to said Lessee, his heirs, representatives and assigns.

Lessors covenants and agree to place in escrow in the Bank Of America, Bank at Sonora, California, a good and sufficient deed, duly executed and acknowledged, conveying the Title in and to said properties to the Lessee, his heirs, representatives and assigns with instructions to deliver said deed to said Grantees in the event above set forth.

It is further agreed and understood that this Bond and Lease is assignable and that should the same be assigned, said Lessee must immediately notify said Lessors of such assignment.

This Lease will inure to the ben ifit of and binding upon the heirs, adminstrators and assigns of the parties hereto.

J. B. Sivori.by J.C. Sivori.

J. C. Sivori.

R.E. Maxwell Jr.
Lessors.

Mel Coeur.
Lessee.

May 6th, 1951, Tuolumne, Calif.

I, Mel Coeur, for and in consideration of the payment of One ($1.00) Dollar, receipt of which is hereby acknowledged, sell, transfer and assign all of my rights title, interest and equity in and to the above mining lease.

Mel Coeur.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
May 31 1951
JUN 6 - 1951
LANDON F. STROBEL
Executive Secretary

Original application by, J. J. SIVORI & MEL COEUR, assigned to;

THOMAS A. HAZELTON
P. O. BOX 1148
Visalia, California.

PRELIMINARY PROGRAM

OF

EQUIPMENT, SUPPLIES & MANPOWER

AND

Estimated costs of Preliminary Program

FOR

EXPLORATION AND DEVELOPMENT

OF

MT. LEWIS TUNGSTEN MINES

AT

Tuolumne, California

* * * * * *

* * * *

* *

*

Total Cost of Mine Operation For 1st. 6 mos. 2nd 6 mos. Totals.

1.	Gross Total of Mine Costs	$ 40,640.00	
2.	" " " Mill "	22,500.00	
3.	" " " Housing "	32,425.00	
4.	" " " Operating	16,899.00	
			$ 112,464.00
5.	Fixed:	$ 16,875.00	
6.	a- Constant overhead	11,638.00	
	b- Sinking Shaft	10,000.00	
	c- Labor	39,900.00	$ 78,413.00
			$ 190,877.00

Gross Expenditures	$ 190,877.00
Gross Income	354,375.00
Net Profit 1st Year-	$ 163,498.00

(With all equipment, improvements & supplies paid for, but before taxes have been deducted.)

FIRST 6 MONTHS OPERATION.

INVESTMENT EXPENDITURES:

1. Mine:

A - Equipment:

Fixed:

Dozer	$ 7,150.00
Compressor	5,300.00
Pipe	250.00
2 tons rail (12 lb.)	2320.00
2 jack hammers	600.00
hose	200.00
1 bar-arm & clamp	100.00
2 ore-cars	450.00
Lumber for tool shed	500.00
Vent Pipe	125.00
Vent fan & motor	250.00
Pickup Truck (4 wheel drive)	2,045.00
Dump truck " " "	5,000.00
Tools & equipment for shop	2,500.00
	$24,790.00

1 - Mine: continued.

B - Current Labor:

Setting Machinery,)		
Constructing tool house)	$ 5,400.00	5,400.00
Preliminary work)		

C - Current Operating Supplies:

Gasoline for trucks	450.00	
500 ft. of drift @ $20.00 per ft.	10,000.00	
	$10,450.00	10,450.00

Total Cost of Mine Operations for 6 mos. $40,640.00

FIRST 6 MONTHS OPERATION

INVESTMENT EXPENDITURES: Cont:

2 - Mill:

A. - Purchase of Incomplete building and equipment (now on adjoining property)	$ 3,500.00	
B. - Labor, Materials & equipment "necessary" to complete mill (estimated)	19,000.00	$22,500.00

3 - HOUSING:

FIXED:

A. Kitchen and Dining room	800.00
Ice box 16 cu. ft.	800.00
Electric Range (2) @ 250	500.00
" water heater (2) @ 150.	300.00
Sink	150.00
Light Fixtures (4) @ 17.50	70.00
Work Units & Misc.	50.00
Cooking equipment	150.00
Dishes & Misc.	85.00
2 Beds complete @ 100.00	200.00
B. Bunk House	
8 rooms @ 100.00	800.00
c. Office Head Quarters	
4 sleeping rooms @ 100.00	400.00
Office equipment	600.00

FIRST 6 MONTHS OPERATION

D. Buildings: cont.

1 - Boarding house

16x50 800 sq. ft. @ $8.00 per sq ft. $6400.00

2 - Bunk House

24x62½ - 1300 sq. ft " " " " $ 12000.00

3 - Storage House $ 1920.00

15x16 - 240 " " " "

4 - Office Building " " " " 8000.00 $32,425.00

24x42 1000 sq. ft. " "

4 - OPERATING COSTS AND MISC. EXPENSES:

A. Administrative & Office Staff.

	30 days	6 mos.
General Manager	$750.00	
Mine Supt.	600.00	
Maintenance Forman	500.00	
Mill Foreman	450.00	
Book keeper	300.00	
	$2,600.00	$15,600.00
Compensation Ins. O.A.B.	52.50	315.00

B - Kitchen:

Cook Assist. Cook.	300.00	1,800.00

6 - Constant Overhead. (Approx. Estimate).

Power	100.00	800.00	
Taxes	30.00	180.00	
Insurance - fire	50.00	300.00	
" - Comp	48.00	288.00	
" - O.A.B.	36.00	216.00	
Food	650.00	3900.00	
Laundry, Misc. supplies	50.00	300.00	
			16,899.00

OPERATING COST FOR 2ND 6 MONTHS

5 - Fixed;

1	Bunk House	$ 12,000.00	
3	Ore cars	675.00	
3	Stopers	1,200.00	
	Misc. supplies	3,000.00	$ 16,675.00

6 - Constant overhead:

A.	Power	900.00	
	Food	7000.00	
	Laundry, Misc. etc.	550.00	
	Taxes	180.00	
	Insurance, fire	300.00	
	" Comp.	518.00	
	O.A.B	390.00	$11,638.00
	Boarding house labor	1,800.00	
B.	Sinking shaft 200 ft. @ $50.00 per ft.		$10,000.00
C.	Labor		
	Mine, Mill etc.,		39,900.00
	Gross Total for 2nd 6 mos. per.		$ 78,413.00

INCOME:

Production estimate

	Tons per day	Total for period	Value
1st 3 months	0	0	0
2nd " "	25	1500	$ 70,875.00
3rd " "	40	2400	113,400.00
4th " "	60	3600	170,100.00
	Total for 1st. yr:	7500	$ 354,375.00

Compiled from average assay to date which is 1.16%.

The above estimate is based on 3/4 of 1%.

Tungsten @$63.00 per unit.

The above estimate calls for ten men average for the first 6 months and twenty men for the 2nd six months. We feel that this number can be used most efficiently; however, if the need for tungsten ore warrants it, we could step up development work, thereby requiring more man power as the project developes.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Postmarked May 31-1951
JUN 6 - 1951
LANDON F. STROBEL
Executive Secretary

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

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
NOV 1 7 1952

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

Month of August, 1952 Docket No. DMEA 167-X Contract No. 10m-1305
Operator's Name THOMAS A. HAZELTON Minerals TUNGSTEN
Address P. O. BOX 136, ELKHORN CONE, COLO.
Contract Amount, $ Government Participation: 75% Amount, $ 370.75

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing	408.00	-0-	408.00	408.00		408.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor Transportation						
Supervision	47.00	-0-	47.00			
Technical Services	50.00	-0-	50.00			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	505.00	-0-	505.00	408.00		408.00

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

Date Sept. 7th, 1952 *Payee Thomas A. Hazelton
Loosoo & Co-Owner

Per Title

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

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

(Instructions on reverse)

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

$ 306.00

Signature
(Authorized Certifying Officer)

Date NOV 17 1952 Vou. No. SF-DMEA-26

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature [illegible] Title Chief, [illegible] Div. Date Nov. 7, 1952.
A. [illegible] Region III

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer DMEA Field Team Date Nov. 12, 1952
H. C. Miller Region III

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1952 Docket No. DMEA 1647 X Contract No. Idm-2305
Operator's Name THOMAS A. HAZELTON Minerals TUNGSTEN
Address P. O. BOX 136, EATON COVE, CALIF.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails	1-	1,000.00						1,000.00
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs								

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

Date Sept. 7th, 1952 Operator Thomas A. Hazelton
Lessee & ~~Co-owner~~

Per _____ Title _____

Remarks: This road should have attention after the first rains in order to get the best results.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205670

Carl K. Williams
Route 2, Sonora, Calif

STATEMENT

DATE October I, I952 19____

TO Irom King Mine

ADDRESS Tuolumne, California.

CITY

34 hrs.	dozer work on Iron King Mine road	@ I2.00	$408.00

I hereby certify that this bill is true and correct

Carl K.Williams

Carl K Williams

8K882 Rediform

[illegible] TO [illegible] ROAD

ROAD CONDITIONS AND REPAIRS

1. A portion of county road 2.5 miles in length, [illegible] feet, on a 10% down grade from State Highway [illegible]

2. Then a portion of U.S. Forest road 2.3 miles in length, rocky, bad at a 10 to 20% [illegible].

3. Then a private road 0.2 miles long, 12 foot wide, on a level grade to the Indian River.

4. Then the remainder of the road 0.6 miles long, 12 foot wide, on a 2% to 35% up grade to the [illegible].

U. S. Oil & Mining Co.

P. O. Box 136 ❖ Phone 1611

Lemoncove, California

T. A. Hazelton

[illegible]

[illegible]

[illegible]

2. [illegible]

3. [illegible]

4. [illegible]

Subscribed to by

[illegible]

[illegible]

Thomas A. Hazelton

STATEMENT

October 1, 1952.

Iron King Mine,
Tuolumne County,
California.

To

Thom & Stirewalt,
Mining & Civil Engrs.
Box 127, Sonora,
California.

DETACH AND MAIL WITH YOUR CHECK. YOUR CANCELLED CHECK IS YOUR RECEIPT.

ENGINEERING SERVICES

Inspection and Report of work done at Mine

$50.00

I hereby certify that this bill is true and correct.

Robert Thom

ROBERT THOM, M.M.

8K884 Redifprm

PAID BY CHECK NO.

ROBERT THOM
Mining and Civil Engineer
Residence Phone 798

FLOYD S. STIREWALT
Engineer and Surveyor
Residence Phone 2663

Bank of America Building
SONORA, CALIFORNIA
Office Phone 814

September 4, 1952.

INSPECTION OF

WORK DONE AT IRON KING MINE

Road Construction and Improvement

In connection with the work done at the Iron King Mine, on Government Contract DMEA 1647x, Idm-E305, I have to report as follows:

We inspected the work on August 31, 1952, and find that the road to the Mine consists of,

1 A portion of county road 1.5 miles in length, running East, on a 10% downgrade from State Highway #108.

2 Then a portion of U.S. Forest road 1.3 miles in length, running East on a 10 to 20% downgrade.

3 Then a private road, 0.2 mile long, 12 feet wide, on a level grade to the Tuolumne River.

4 Then the remainder of the road 0.6 mile long, 12 feet wide, on a 25 to 35% upgrade to the Mine. Travel on this part of the road is suitable only for a 4 wheel drive vehicle.

The road building expense was contracted under paragraphs 3 and 4 by Mr. Carl Williams, Superviser of District No.3 in Tuolumne County.

Respectfully submitted,

Robert Thom

ROBERT THOM, R.E. 3593.

FILE COPY
SURNAME:

Rutledge
Martin

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

February 17, 1953

Iron and Ferro-Alloy Division

Memorandum of Non-Discovery
Docket No. DMA 1647-X - Tungsten
Thomas A. Hazelton
Mt. Lewis Tungsten claims
Tuolumne County, California
Contract No. Idm-E-305

J.C. 3/2/53

FARutledge/hhb
2/17/53

This Division hereby concludes that the work done upon the subject property, as described under Stage I of the contract, has resulted in no discovery or development from which commercial production may be made.

A description of the property, the work done, and the results obtained follows:

1. The property on which the exploration was conducted is composed of the Mt. Lewis Tungsten claims, the unpatented Iron King, Hunch, Limecap, and Tungstar. The claims are located in Secs. 11 and 14; T. 2 N.; R. 16 E.; Tuolumne County, California.

2. The mineral sought was scheelite which occurs in a massive sulfide vein dominantly pyrrhotite. The vein was expected to average 0.6 percent WO_3.

3. A two-stage exploration project contract was executed which called for an access road and 100 feet of drifts and cross-cut under stage I and an additional 50 feet of drifts under stage II. Total cost of the contract was $5,960.00.

4. Because only the access road was completed under the contract even though the contract was amended to allow additional time, the contract was allowed to expire. This was done in view of the Operator's procrastination and lack of diligence.

5. The project was started in August and only $408.00 of the $972.00 alloted for the road repairs was expended. The Government's share of 75 percent, or $306.00, was disbursed.

6. A notice of termination dated December 31, 1952, was mailed to Mr. Hazelton by the Field Team, December 31, 1952.

W. S. Martin, Acting Chief
Iron and Ferro-Alloy Division

cc: Docket
Field Team, Region 3
Code 400
Operating Committee
Admn. Read. File
R. W. Geehan, USBM
D. M. Lemmon, USGS

~~Yes~~ Audited

~~No~~ Certified

W[illegible] ANALYSIS SHEET - DMEA PROJECT

Analysis as of ~~12/9/1954~~
Incl. Voucher for

~~Yes~~ Actual Cost

Agreed Unit Costs

Name Thomas A. Hazelton

Docket No. ~~DMA - 1647~~

State California

Commodity Tungsten

Idm-E No. ~~305~~

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	150'	3,842.00			
Raising					
Shafts					
Winzes					
Drilling (Specify)					
Surface Excavation					
Underground Excavation					
Roads and Trails		972.00		408.00	
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify)		1,146.00			
Totals		5,960.00		408.00	

Project terminated by Government.
Lack of diligence by the Operator.

Prepared by TLC

71626

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 24 1953

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

February 20, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Final Report

Attached are four copies of Final Report on -

Docket DMA-1647X

Contract Idm-E305

Commodity Tungsten

Operator - Thomas A. Hazelton

Property - Mt. Lewis Tungsten Claims, Tuolumne County, Calif.

By Benjamin H. Sheahan, Mining Engr.

Dated February 10, 1953

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

Attachment

Copy to: E. H. Bailey, USGS (With one copy of report)
Geo. Mavor

Reviewed by
DMEA OPERATING COMMITTEE
3-2-53
(date)

F.T. FINAL RPT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

FINAL REPORT

Contract No. Idm-E305

DMEA-1647X, Mt. Lewis Tungsten Claims

Tuolumne County, Calif.

Benjamin H. Sheahan, Mining Engineer
U. S. Bureau of Mines

February 10, 1953

Reviewed by
DMEA OPERATING COMMITTEE

3-2-53
(date)

FINAL REPORT

Docket No.: DMEA-1647X (Tungsten)

Name and address of operator: Mr. Thomas A. Hazelton
P. O. Box 621
Lindsay, Calif.

Name and location of property: Mt. Lewis Tungsten claims
Tuolumne County, Calif.

Contract No.: Idm-E305

SUMMARY AND CONCLUSIONS

The Mt. Lewis tungsten claims are located in secs. 11 and 14, T. 2 N., R. 16 E., M.D.B.&M., at an altitude of about 3700 feet. To reach the property from Confidence, Calif., follow State Highway 108 one-tenth of a mile easterly to Sleepy Hollow Lodge, turn right and follow a steep dirt road 2.9 miles downgrade to North Fork of the Tuolumne River, cross river by ford near old mill ruins and follow a steep jeep trail one mile easterly to the property.

The operator, Mr. Thomas A. Hazelton, signed an exploration contract on April 25, 1952. The work described by the contract was to consist of road improvements to the Iron King and Hunch tungsten prospect, Mt. Lewis, Tuolumne County, Calif.; and then drive 150 feet of exploration work from the main adit.

After improving the existing road to the property, the operator failed to proceed with the exploration work even though weather conditions were favorable. The operator's reports were erroneous and he apparently lacked the ability, initiative, or equipment to proceed with the exploration work. The contract was terminated on Dec. 31, 1952.

RECOMMENDATIONS

1. No additional exploration or development work is warranted.

2. No actual exploration work was done at the tungsten prospects and DMEA should certify that the project was unsuccessful.

3. Production is not economically feasible.

DESCRIPTION OF WORK COMPLETED

The only work done on the exploration contract consisted of improvements to the road leading from the mine to the North Fork of the Tuolumne River, a distance of one mile; and according to the operator's report, some work was done along 2.9 miles of road from this point to U. S. Highway 108.

Mr. Carl Williams of Tuolumne City, Calif., a county supervisor, stated that his D-7 bulldozer was hired 34 hours on road improvement work by Mr. Thomas A. Hazelton during the latter part of August and early September, 1952.

As described by interim reports, the property was idle when visited by the engineer on September 19, October 2, and October 28, 1952.

The road from the river to the property was passable only with a four-wheel-drive vehicle.

The operator hauled no equipment to the property as agreed to and as outlined by the 'Statement of Work' in the contract.

DESCRIPTION OF GEOLOGY

A lenticular shaped outcrop, composed chiefly of quartz and pyrrhotite, occurs adjacent to a mica schist and granodiorite contact. The outcrop was 40 feet in length and with a maximum width of about 9 feet, while the strike was N. 75° E. with a steep northerly dip.

Slight scheelite mineralization occurs in the sulfides and also with small irregular veinlets of quartz and epidote.

No samples were taken by the engineer on inspection trips to the property because no exploration work was done. The property was sampled by an engineer[1] of the Bureau of Mines and described by a geologist[2] of the U. S. Geological Survey.

Samples taken previously at the property and as described by the examining geologist[2]: "Three chip samples were taken in the Iron King open cut. Samples 1 and 3 represent zones 2 feet wide across the massive sulfide vein. Sample 1 is 6.5 feet long and sample 3 is 6 feet long. Sample 2 represents a zone 2 feet wide and 13 feet long diagonally across the ferruginous zone."

Sample No.	%, WO_3	%, Ni	%, Co	%, Zn	%, Cu
1	0.59	*0.01	*0.02	*0.01	0.20
2	0.03	*0.01	*0.02	*0.01	0.06
3	0.58	*0.01	*0.02	*0.01	0.23

*Less than

ESTIMATE OF ORE RESERVES

No ore reserve estimate is included with this final report.

EXPENDITURES

Total approved	$5,960.00
Total cost of project	408.00
Government's share of cost	306.00
Government's share unexpended . . .	4,164.00
Value of production during operations	None

1/ Russell R. Trengove - Examination Report: "Mt. Lewis Tungsten Claims, Tuolumne County, Calif." - Nov. 1950.

2/ Lorin D. Clark - "DMA 1647, Iron King Mine, Mt. Lewis, Tuolumne County, California" Nov. 13, 1951

EFFICIENCY OF OPERATIONS

Efficiency of operations is poor.

COMPETENCY OF OPERATOR

Competency of operator is very poor.

The operator failed to prosecute operations pursuant to the terms of the contract. The contract was signed on April 25, 1952 and the completion date was extended to October 25, 1952.

The operator included unauthorized charges for engineering work and transportation on his MF-104 statement. These unauthorized charges were for the measurement of road mileage and for transportation and travel expenses.

The operator did not conduct the operation in a workman like manner.

EQUIPMENT PURCHASED

No equipment was purchased. (Not applicable to contract).

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

FEB 19 AM 11:4

SAN FRANCISCO, CALIFORNIA

Put in docket file

400

FILE COPY
SURNAME:

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

Rutledge
Martin
Chandler
Cafone
Hoffman

Mr. Thomas A. Hazelton
P. O. Box 136
Lemoncove, California

Re: Docket No. DMA 1647-X - Tungsten
Thomas A. Hazelton
Mt. Lewis Tungsten claims
Tuolumne County, California
Contract No. ICA-E-305

Dear Mr. Hazelton:

This is with reference to the subject exploration project contract between Thomas A. Hazelton and the Government.

The final audit of the contract expenditures and the reports of the Operator and the Field Team have been received and accepted by this Administration. Of the total amount of $3,866.00 approved under Stage I of the contract (total contract $5,960.00), the amount of $408.00 was expended and the Government's share of 75 percent, or $306.00, was disbursed. There were no unused material, supplies, or equipment to be disposed of for the joint account of the Operator and the Government.

The work was completed in a satisfactory manner and the contract was terminated December 31, 1952.

Because the results of the work completed under the contract were unfavorable, it is not our intention to make any certification of discovery or development which would create a lien against the project property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to Article 7(d) of the contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract".

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

Sincerely yours,

Administrator

cc: Docket
Field Team, Region 3
Code 400
Admn. Read. File
R. W. Geehan, USBM
D. M. Lemmon, USGS
OPERATING COMMITTEE

FARutledge/hhb, 2/17/53

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 6 1953

GCL
1/13/53
OERone
1/14/53

Office of
Executive Officer
DMEA Field Team
Region III

Registered Mail
Return Receipt Requested

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

December 31, 1952

Mr. Thomas A. Haselton
P. O. Box 136
Lemoncove, California

Re: Docket DMEA 1647X (Tungsten)
Contract Idm-E305
Mt. Lewis Tungsten Claims
Tuolumne County, Calif.

Dear Mr. Haselton:

Your letter of December 22 is acknowledged. In that letter you report that because of weather conditions underground operations will not be started until some time in the spring. You request, therefore, an extension of the completion time of your contract.

A review of your file indicates that your contract is dated April 25, 1952, and that the work was to be completed within a period of four months from the date of the contract. Because of the delay in getting started your contract was amended on June 25, 1952, permitting you to have ninety days from the date of the contract within which to get started and six months from April 25, 1952, to complete the project. Accordingly, the completion date based upon Amendment No. 1, dated June 25, 1952, was October 25, 1952, yet by December 22, 1952, the date of your most recent letter, the only work done under the contract has been repair work on the road leading from State Highway 108 to the Iron King Mine.

In view of your failure to prosecute operations pursuant to the terms of the contract, I regret that I have no alternative but to terminate the contract. A Notice of Termination dated December 31, 1952, is enclosed herewith.

Sincerely yours,

H. C. MILLER

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

Enclosure (1)

Copy to: DMEA, Washington; E. H. Bailey, USGS; A.C.Johnson, Reno;
Finance Officer, Region III; George Mavor

HCMiller:mpp
Files
Chron

FILE COPY
SURNAME:

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

Ruthledge
Selbridge
Hollmuch
Weatherdof

NOV 26 1952

Mr. N. C. Miller
Executive Officer, Region III
1612 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA 1647X - Tungsten
Thomas A. Engelten
Mt. Lewis Tungsten Claims
Tuolumne County, California
Contract No. IdP-[illegible]

Dear Mr. Miller:

Reference is made to your letter of November 13, 1952, to Mr. Thomas A. Engelten in which you gave notice that if the mine work under the contract, which is dated April 25, 1952, was not started and carried out in an efficient manner, the contract would be canceled. The subject contract expired October 25, 1952, and we concur that no extension of time should be allowed if the Operator does not immediately undertake the exploration program.

In your letter of November 13, 1952, to the Operating Committee, you requested instructions in case Mr. Engelten succeeded in disposing of his lease to another party. We feel that the exploration project is warranted, and if a transfer to a competent party having sufficient backing to carry out the project in an efficient manner can be made in the near future, the same procedure should be followed as in Docket No. DMA 1288X, assignment by J. A. Madison of rights and contract to Robert J. Ryth and Steven Gerwin.

Your attention also is called to the interim report dated September 25, 1952, on the subject contract by Benjamin H. Sheehan, U. S. Bureau of Mines. This report was received in Washington November 17, 1952. In this report Mr. Sheehan stated: "The road work consists of improving the existing road. Whether or not the dozer actually was worked 34 hours on road improvement is unknown." We feel that this type of statement is not conclusive. The examining engineer should describe the amount of work completed and set forth his conclusions based thereon.

In Mr. Sheahan's interim report dated November 5, 1952, it was noted that Mr. Carl K. Williams, a county supervisor, supervised and did the above referenced road work. A D-7 bulldozer was said to have been used for 34 hours. Mr. Sheahan questioned if the work had been done as reported but recommended the voucher be paid.

Sincerely yours,

(signed) FRANK E. JOHNSON (GHB)

Chairman, Operating Committee

Approved:

J. H. Hedges (GHB)

Member, Bureau of Mines

A. R. Kinkel, Jr (GHB)

Member, Geological Survey

F.H. 11-26-52

FARutledge'lm
11/24/52

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. III
Operating Committee
G. C. Selfridge
F. A. Rutledge

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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NOV 1 8 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: Nov. 13, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on - (two reports)

Docket DMEA 1647X

Contract Idm-E 305

Commodity Tungsten

Operator - Thomas A. Hazelton

Property - Mt. Lewis Tungsten Claim
Tuolumne County, Calif.

By Benj. H. Sheahan

Dated Sept. 25, 1952 and Nov. 5, 1952

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

Attachment

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

E. H. Bailey, USGS (With one copy of report)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 7 1952

INTERIM REPORT

Docket No.: DMEA-1647X (tungsten). November 5, 1952

Name and address of operator ; Mr. Thomas A. Hazelton
P. O. Box 136
Lemoncove, Calif.

Name and location of property: Mt. Lewis Tungsten
Tuolumne County, Calif.

The property is located approximately three miles southeasterly from Confidence, California. To reach the property from Confidence, follow State Highway 108 one-tenth mile easterly to Sleepy Hollow Lodge, turn right and follow a steep dirt road 2.9 miles to the North Fork of the Tuolumne River, cross river near old mill and follow a very steep road one mile easterly to the property.

Contract No.: Idm-E305

SUMMARY

The property was idle when visited by an engineer from the U. S. Bureau of Mines on October 2 and October 28, 1952. A previous inspection was made of the property on September 19, 1952. The only work that has been done on the contract includes the road work mentioned in the first interim report.

An answer was finally received from Mr. Hazelton, the operator, following requests made by the Chief of Mining Division of Region III. The operator submitted certified copies of bills totaling $505.00. These charges do not appear to be reasonable to the inspecting engineer.

Mr. Thomas A. Hazelton was notified by letter of September 15, 1952 that the property would be inspected by the engineer, but made no provision to be at the property. The engineer contacted Mr. T. S. Stirewalt, county engineer and Mr. Carl Williams, county supervisor as suggested by Mr. Hazelton in his letter of September 17, 1952.

Mr. Stirewalt of Thom and Stirewalt, stated that the engineering work that they did for Mr. Hazelton was to make road measurements by automobile. This charge of $50.00 should not be paid as it is not authorized by the contract and is not a part of the exploration work.

Mr. Carl K. Williams said that he supervised and did the road work with a D-7 bulldozer which was used 34 hours on road repair work from a point on the road near the mill to the mine. The distance is approximately one mile, and there was only improvement to the existing road and trail to the property. The equipment may have been used as stated and this part of the work which is authorized by the contract, should be paid.

A charge of $47.00 listed by Thomas A. Hazelton on MF-104 (August) as transportation supervision should not be allowed. Certified copies of the charge were forwarded to be attached to the MF-104 (August).

The inspecting engineer has never met the operator. Two attempts were made to contact him at Lemoncove, Calif.

Mr. H. G. Carter, a relative of one of the owners and a Mr. J. L. Smith, were at the mill when the engineer returned from inspecting the mine.

No machinery or mining equipment was at the property. The road from the North Fork of the Tuolumne River, where the road repair work was done, is not passable by a standard truck or automobile. A four-wheel drive vehicle would be required and only the D-7 tractor tracks were visable along this road.

Weather has been favorable for exploration work.

CONCLUSIONS

The operator seems to lack the qualifications required to conduct an exploration project.

RECOMMENDATIONS

If the operator fails to prosecute operations pursuant to the terms of the contract, or is unqualified to conduct the exploration work, then the contract should be terminated.

Benjamin H. Sheahan

Benjamin H. Sheahan
Mining Engineer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 0 1952

INTERIM REPORT

Docket No.: DMEA-1647X (tungsten) Sept. 25, 1952

Name and address of operator: Mr. Thomas A. Hazelton
P. O. Box 621
Lindsay, Calif.

Name and location of property: Thomas A. Hazelton
Mt. Lewis Tungsten claim
Tuolumne County, Calif.

The property is located approximately 3 miles southeasterly from Confidence, Calif. To reach the property from Confidence, follow State Highway 108 one tenth mile easterly to Sleepy Hollow Lodge, turn right and follow a steep dirt road 2.9 miles to North Fork of the Tuolumne River, cross river and follow steep jeep trail one mile easterly to property.

Contract No.: Idm-E305

SUMMARY

The property was inspected by engineers[1/] from the U. S. Bureau of Mines on September 19, 1952. The property was idle.

Mr. Hazelton was notified that the property would be inspected by an engineer from the Bureau of Mines during the third week in September.

Mr. Carl Williams of Tuolumne City, Calif., a county supervisor, was interviewed and he said that Mr. Hazelton hired his D-7 bulldozer to repair the road.

The road was passable with a standard Ford sedan to the North Fork of the Tuolumne River. From this point a four-wheel drive vehicle would be required to reach the property.

The road work consists of improving the existing road. Whether or not the dozer actually was worked 34 hours on road improvement is unknown. There was no evidence that any other work was done as claimed by the operator. Charges of $408.00 for 34 hours of dozer

1/ Benjamin H. Sheahan and H. W. Jones.

work, $47.00 for transportation and $50.00 for engineering were included with the operators MF-104 statement.

CONCLUSIONS

The operator seems to lack the qualifications required to conduct an exploration project.

RECOMMENDATIONS

If the operator fails to prosecute operations pursuant to the terms of the contract, the contract should be terminated.

Benjamin H. Sheahan

Benjamin H. Sheahan
Mining Engineer

Office of
Executive Officer
DMEA Field Team
Region III

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 14 1952

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

November 13, 1952

Mr. Thomas A. Hazelton
P. O. Box 136
Lemoncove, California

Re: Docket DMEA 1647X (Tungsten)
Contract Idm-E305
Mt. Lewis Tungsten Claims
Tuolumne County, Calif.

Dear Mr. Hazelton:

This will acknowledge receipt of your letter of November 8. Your attention is called to Article 4. Performance of the work. (a) Operator's responsibility, of your Exploration Project Contract. In that article it is specifically stated that "The work shall be performed efficiently, expertly, in a workmanlike manner, ..."

Our inspection engineer who recently examined the work at your property reports that the work is not proceeding in a workmanlike manner, and that although your contract is dated April 25, 1952, no work whatsoever has been carried out at the mine as of the date of his visit.

It is with considerable regret that I must inform you that if work is not started and carried out in an efficient and workmanlike manner on the mine, I will have no other alternative but to cancel the contract.

Sincerely yours,

H. C. MILLER

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

Copy to: DMEA, Interior Bldg., Washington 25, D. C.
E. H. Bailey, USGS
A. C. Johnson, Reno, Nevada

Docket

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 6 1952

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

November 13, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 1647X (Tungsten), Thomas A. Hazelton, Mt. Lewis Tungsten Claims, Tuolumne County, Calif., Contract Idm-E305

Further reference is made to your subject letter, dated October 6, 1952, inquiring if work has or has not been started under the above-mentioned contract, and to my memorandum reply, dated October 13, 1952.

Attached is a copy of a letter, dated November 8, received in this office on November 12 from Mr. Thomas A. Hazelton, giving his reasons why no work has been done under the contract.

I would not be at all surprised if the real reason for non-performance of work is due to the fact that Mr. Hazelton is delaying the spending of any of his money with the hope of selling his lease to someone else. Should he succeed in disposing of the lease to another party, should we carry through as we did when Mr. J. A. Madison, Docket DMEA-1288X, Contract Idm-E46, assigned his rights and contract to Robert J. Rysh and Steven Corwin last November if the assignee desires to explore the property under the terms of the contract issued to Mr. Hazelton?

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

Copy retained 400

Attachment

Copy to: E. H. Bailey, USGS (with copy of Hazelton's letter)
A. C. Johnson, Reno, Nevada (with copy of Hazelton's letter)

COPY

U. S. Oil & Mining Co.
P O Box 136 - Phone 1611
Lemoncove, California
T. A. Hazelton

COPY

November 8, 1952

Mr. H. C. Miller
Executive Officer
DMEA Field Team, Region III
U. S. Dept. of the Interior
1012 Flood Bldg., 870 Market Street
San Francisco 2, California

Re: Docket DMEA 1647X
Tungsten
Contract Idm-E305

Dear Mr. Miller:

May I refer to your letter of October 7, with reference to the above numbered contract.

During the interim I have made a very definite effort to secure someone to go up and do the development work for us, however, to date have been unable to obtain anyone who is capable. I have watied from day to day in the hopes that I could give you a definite answer to your letter.

I have a recent inquiry about the sale of the lease and it might develop that they will make arrangements to carry on. I shall make every concession so that it will only require a desire on their part in order to go ahead.

I will inform you immediately that anything takes place and give you the full details, meanwhile, I am, with my kindest personal regards,

Yours very truly,

/s/ Thomas A. Hazelton

C
O
P
Y

INTERIM REPORT

Docket No.: DMEA-1647X (tungsten) November 5, 1952

Name and address of operator: Mr. Thomas A. Hazelton
P. O. Box 136
Lemoncove, Calif.

Name and location of property: Mt. Lewis Tungsten
Tuolumne County, Calif.

The property is located approximately three miles southeasterly from Confidence, California. To reach the property from Confidence, follow State Highway 108 one-tenth mile easterly to Sleepy Hollow Lodge, turn right and follow a steep dirt road 2.9 miles to the North Fork of the Tuolumne River, cross river near old mill and follow a very steep road one mile easterly to the property.

Contract No.: Idm-E305

SUMMARY

The property was idle when visited by an engineer from the U. S. Bureau of Mines on October 2 and October 28, 1952. A previous inspection was made of the property on September 19, 1952. The only work that has been done on the contract includes the road work mentioned in the first interim report.

An answer was finally received from Mr. Hazelton, the operator, following requests made by the Chief of Mining Division of Region III. The operator submitted certified copies of bills totaling $505.00. These charges do not appear to be reasonable to the inspecting engineer.

Mr. Thomas A. Hazelton was notified by letter of September 15, 1952 that the property would be inspected by the engineer, but made no provision to be at the property. The engineer contacted Mr. T. S. Stirewalt, county engineer and Mr. Carl Williams, county supervisor, as suggested by Mr. Hazelton in his letter of September 17, 1952.

Mr. Stirewalt, of Thom and Stirewalt, stated that the engineering work that they did for Mr. Hazelton was to make road measurements by automobile. This charge of $50.00 should not be paid as it is not authorized by the contract and is not a part of the exploration work.

Mr. Carl K. Williams said that he supervised and did the road work with a D-7 bulldozer which was used 34 hours on road repair work from a point on the road near the mill to the mine. The distance is approximately one mile, and there was only improvement to the existing road and trail to the property. The equipment may have been used as stated and this part of the work which is authorized by the contract, should be paid.

A charge of $47.00 listed by Thomas A. Hazelton on MF-104 (August) as transportation supervision should not be allowed. Certified copies of the charge were forwarded to be attached to the MF-104 (August).

The inspecting engineer has never met the operator. Two attempts were made to contact him at Lemoncove, Calif.

Mr. H. G. Carter, a relative of one of the owners and a Mr. J. L. Smith, were at the mill when the engineer returned from inspecting the mine.

No machinery or mining equipment was at the property. The road from the North Fork of the Tuolumne River, where the road repair work was done, is not passable by a standard truck or automobile. A four-wheel drive vehicle would be required and only the D-7 tractor tracks were visible along this road.

Weather has been favorable for exploration work.

CONCLUSIONS

The operator seems to lack the qualifications required to conduct an exploration project.

RECOMMENDATIONS

If the operator fails to prosecute operations pursuant to the terms of the contract, or is unqualified to conduct the exploration work, then the contract should be terminated.

/s/ Benjamin H. Sheahan
Mining Engineer

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 17 1952

October 13, 1952

10/20/52

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 1647X (Tungsten), Thomas A. Hazelton, Mt. Lewis Tungsten Claims, Tuolumne County, Calif., Contract Idm-E305

Reference is made to your subject letter, dated October 6, inquiring if work has or has not been started under this contract.

Shortly after you sent your letter, you should have received the DMEA copy of my October 7 letter to Mr. Hazelton, which at least partly answers your question.

To date no reply has been received to my October 7 letter.

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

Copy to E. H. Bailey, USGS

Copy retained 400

OFFICE OF
THE SECRETARY OF THE INTERIOR

Contract dated April 25, 1952

June 4, 1952 letter to Field team asking for signed contract

June 3, 1952 letter from Miller with signed contract and Amendment No 1

30 days changed to 90 days

4 months changed to 6 months

No cost data received to date.

No report of any work by operator in Bureau of Mines monthly reports

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 13 1952

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

October 7, 1952

Mr. Thomas A. Hazelton
P. O. Box 136
Lemmon Cove, California

Re: Docket DMEA 1647X (Tungsten)
Contract Idm-E305

Dear Mr. Hazelton:

Your letter of October 3, requesting a further extension of the completion date of your exploration contract is acknowledged.

We are very much disappointed in the progress you are making under the contract, which already has been extended sixty days by Amendment No. 1, dated June 25, 1952. The fact that you have been delayed in completing the construction of a mill on another property, hardly justifies lack of diligence in carrying out the work under your exploratory contract, which originally was to have been completed by August 25, and as amended, by October 25.

You failed to state in your letter how much of an additional extension you desire. Until that information is received, we cannot give further consideration to your request. Will you, therefore, kindly send us that information, which should be definite as to the time you will complete the work specified in your contract.

Sincerely yours,

H. C. MILLER

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

Copy to: DMEA, Interior Building, Washington 25, D. C. (2)
E. H. Bailey, USGS
A. C. Johnson, Reno, Nevada

FILE COPY
SURNAME:

Rutledge
Selfridge

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

OCT 6 1952

Mr. N. G. Miller
Executive Officer, DMEA Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA 1647X - Tungsten
Thomas A. Hazelton
Mt. Lewis Tungsten claims
Tuolumne County, California
Contract No. Idm-E-305

Dear Mr. Miller:

Reference is made to the subject contract. It would be appreciated if you would advise us if work has or has not been started under this contract.

Sincerely yours,

F.H. 10-6-52

(signed) FRANK E. JOHNSON (JHB)
Chairman, Operating Committee

Approved:

J. H. Hedges (JHB)
Member, Bureau of Mines

T. P. Thayer (JHB)
Member, Geological Survey

FARutledge:ls 10/3/52

Copy to: Docket,
Admn. Read.File
Field Team, Reg. 3
G. C. Selfridge
F. A. Rutledge
Operating Committee

Copy to: D. M. Lemmon, USGS
R. W. Geehan, USBM

FILE COPY
SURNAME:

200

Adams
F.E. Johnson

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

Mr. H. C. Miller
Executive Officer
Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Dear Mr. Miller:

There is enclosed herewith the Finance Office's copy of Amendment No. 1 to Contract Idm-E305, Docket No. DMEA-1647, Thomas A. Haselton - Mt. Lewis Tungsten Claims.

Ordinarily this copy of the contract would be transmitted by the Bureau of Mines Fiscal Office, however, in accordance with a new circular being prepared, the copy for the Finance Officer will be distributed by the Executive Officer at the time a copy is retained for his files, and a copy forwarded to the operator.

The DMEA circular covering this change will be issued shortly.

Sincerely yours,

7/22

(signed) FRANK E. JOHNSON

(B.D.H.)

Frank E. Johnson
Acting Administrator
Defense Minerals Exploration
Administration

Enclosure

READams/meb
7-21-52
cc to: Adm.Reading File
Mails & Files Br.

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

July 8, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-1647X (Tungsten), Contract Idm-E305, Amendment No. 1

Attached are the original and three copies of the Amendment No. 1 to Contract Idm-E305. A Justification sheet is attached to each copy of the amendment.

We are retaining one copy of the signed amendment for use of our field engineer and shall expect the Finance Office copy from you shortly.

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

Attachments

Copy to E. H. Bailey, USGS
A. C. Johnson, Bureau of Mines, Reno, Nevada

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 14 1952

SDS 7-14-52

400

FILE COPY
SURNAME:

Selfridge

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

JUN 4 1952

Mr. H. C. Miller
Executive Officer, DMEA Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA 1647X - Tungsten
Thomas Haselton
Mt. Lewis Tungsten Claims
Tuolumne County, California

Dear Mr. Miller:

More than a month has passed since we sent you the original and five copies of a contract prepared for the subject docket. To date we have not received information from you concerning the disposition made of the contract.

If the applicant has had the contract a reasonable period of time and has not returned it to you, will you please write him to return the contract to you either signed or with his objections thereto. If it is a case of waiting until the applicant can make certain arrangements, we believe it best that you hold the contract in your office until the arrangements have been made. This is to avoid a case similar to that of Chester W. Hymer, Docket No. DMA 1287X - Manganese.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

V. H. Hedges

Member, Bureau of Mines

D. M. Lemmon

Member, Geological Survey

GCSelfridge:ls 6/2/52

Copy to: Admn. Reading File
Docket
Field Team, Reg. 3
G. C. Selfridge
Operating Committee
D.M.Lemmon, USGS
R. W. Geehan, USBM

Read & Noted 6/10

21

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

June 3, 1952

Memorandum

To: Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-1647X (Tungsten), Exploration Project Contract Idm-E305, Thomas A. Hazelton

Attached are the original and three copies of subject exploration project contract which have been signed by the operator. Due to high water making it impossible for the operator to transport supplies and material to his property, he has requested an extension of the time within which to start work under the contract. I am, therefore, amending the contract today to give the operator 60 days from the date of the contract within which to start work. It may be that 60 days is not enough, in which event I will have to redraft the amendment which I am submitting to the operator today.

Your copies of the amendment will be mailed to you when signed by the operator and returned to this office.

The field team's copy of the subject contract is being retained by this office for our field engineer's use. We will expect the finance officer's copy from you shortly.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1952

Attachment

Copy to E. H. Bailey, USGS
A. C. Johnson, Reno, Nev.

Docket 400
FILE COPY
SURNAME:

Delmer
Hoffman

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

APR 25 1952

Mr. H. C. Miller
Executive Officer, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA 1647X - Tungsten
Thomas Haselton
Mt. Lewis Tungsten Claims
Tuolumne County, California
(P.O. Box 621, Lindsay, Calif.)

Dear Mr. Miller:

We are enclosing the original and five copies of the above referenced contract signed by this office for the Government, each copy containing Exhibit "A" (5 pages), 1 map, and the Landlord's Subordination.

If the terms and conditions of this contract are satisfactory to you and the Operator, all six copies should be signed by him. The "Operator's Copy" is to be given to the Operator; the "Field Team's Copy" retained by your office; and the remaining four copies returned to this office.

If any part of this contract does not have either your approval or that of the Operator and cannot be amended within your delegated authority, then the original and all copies of the contract are to be returned to this office with the proposed changes for consideration.

In this instance, DMMA has estimated many of the cost items, as the application was figured on a "per-foot" basis. The figures, we believe, are comparable to the actual costs experienced in Region III. We added an item of $450 for the services of an engineer who, as you will note, is to make the necessary progress maps and assay plan and assist in preparing the Operator's final report. Your attention is also directed to the $200.50 set up for repairs of operating equipment, if and when needed. Although the total contract sum exceeds by $450.00

the $5,500.00 noted in the application, it is believed that the actual work will be done at the Operator's figure, leaving, in one account or another, the $450.00, which we have added to cover possible contingencies.

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee (JB)
~~Acting Administrator~~
Defense Minerals Exploration
Administration

F.J. 4-25-52

Enclosures

Approved:

W. H. Hedges (JB)

Member, Bureau of Mines

D. M. Lemmon (JB)
Member, Geological Survey

QLBrewer'lm
4/11/52

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. III
G. C. Selfridge
Q. L. Brewer
Operating Committee

FILE COPY
SURNAME:

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

John L. Hofflund, Chief Counsel

April 11, 1952

Selfridge
Brewer

Iron and Ferro-Alloy Division

Final clearance of exploration project contract in the amount of $5,960.00
Docket No. DMA 1647X - Tungsten
Thomas A. Haselton, P.O. Box 621, Lindsay, California
Mt. Lewis Tungsten Claims
Tuolumne County, California

1. We have written the applicant for the information noted in your memo to us dated March 26, 1952, and received his answer.

2. In regard to the signature of "J. B. Siveri" to the Landlord's Subordination, it appears that "J. (Jack) B. Siveri died three days after signing the lease and that Jessie Siveri, his wife, inherited all his property and possessions. In this event, and with the signature of Jessie Siveri affixed to the subordinations, we recommend, considering the small amount involved, that the contract be approved by the Legal Division.

3. In regard to the fact that, on the copies of the lease as sent in by the applicant, the assignee is not noted and it is now averred by the applicant that this was a typist's omission and that he, the applicant is, in fact, the assignee. We recommend that the averment thus made by the applicant be accepted and that the contract be approved by the Legal Division.

4. The contract, in complete form, is attached hereto and we request that you forward it directly to the Operating Committee, if you approve of the two recommendations above noted.

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

QLBrewer'lm
4/11/52

cc: Admn. Reading File
Docket
~~XXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXX~~
G. C. Selfridge
Q. L. Brewer

THOMAS A. HAZELTON
P.O. Box 621,
LINDSAY, CALIF.

April 5th, 1952:

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 10 1952

Mr. G. C. Selfridge, Chief,
Iron & Ferro-Alloy Division,
Defense Minerals Administration
U.S. Dept. of the Interior.
Washington, D.C.

Re: Docket No. 1647X - Tungstenn
Mt. Lewis Tungsten Claims
Tuolumne County, California.

Dear Sir:

Replying to your letter of the 31st, ultimo, relative to the above numbered application and explaining the two items that require correction, may I explain them by the following.

LEASE: 1. The lease was drawn and signed November 30th, 1950, and MR. JACK B. SIVORI died December 2nd, 1950. His wife JESSIE SIVORI inheriting his real and personal

SUB. 2. property. Therefore we could not obtain his signature On March 1st, 1952 on the "LANDLORD'S SUBROGATION AGREEMENT". What would you desire in this matter in such a n instance? I shall try to obtain whatever you actually require.

I might add that the COPY OF LEASE AND ASSIGNMENT AS SENT TO YOU IS SLIGHTLY IN CORRECT. IT ACTUALLY READS:

May 6th, 1951 Tuolumne, Cal.

"ToTHOMAS A. HAZELTON, of Beverly Hills, Cal.
I, Mel Couer, for and in consderation of the payment of One ($1.00) Dollar, receipt of which is hereby acknowledged, s ell, transfer and assign all of my rights, title, interest and equity in and to the above mining lease.

MEL COEUR.

This first line was omitted in copying the lease, now that you know that the assignee is named in the assignment, will you kindly advise if it is not voorrect as is, or should we be required to obtain another assignment.

Thanking you for your attention to this matter and trusting that the correction shall not take too long in correcting, I am,

Very truly yours,

Thomas A. Hazelton.

Thomas A. Hazelton

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m

FILE COPY
SURNAME:

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

Brewer
Selfridge
Mitt

MAR 31 1952

Mr. Thomas A. Hazelton
P.O. Box 621
Lindsay, California

Re: Docket No. DMA 1647X - Tungsten
Mt. Lewis Tungsten Claims
Tuolumne County, California

Dear Mr. Hazelton:

An exploration project contract on the above noted property has been completed except for the following two items:

1. If the copy of the lease furnished to us is a true copy of the original, the purported assignment typed thereon is an imperfect transfer of the lease because it omits the name of the assignee and provides no space for the insertion of the name of the assignee. In such a case, a new assignment should be executed by the assignor, Mel Comer, or a new lease should be issued to Thomas A. Hazelton by the lessors.

2. Although there are three lessor-owners of the property, the Subordination Agreement is signed by only two of them. Therefore, J. B. Sivori should either add his signature to the Subordination Agreement already executed by the two other owners, or he should execute a separate Subordination Agreement.

We are enclosing one of the copies of the lease for your use in obtaining either a correct assignment from Mel Comer, or a new lease, in your name. We are also enclosing the 6 copies of the Landlord's Subordination to which must be added the signature of J. B. Sivori.

Upon receipt of the two above items, your contract will be ready for final review in Washington.

Sincerely yours,

cc 3/31

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. III
G. C. Selfridge
Q. L. Brewer

Enclosures

QLBrewer:lm
3/28/52

FILE COPY
SURNAME:

Antin

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

March 26, 1952

Memorandum

To: Mr. G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

From: Chief Counsel

N.S
R+R

Subject: Thomas A. Hazelton - Exploration Project Contract
Docket No. DMEA-1647X

The contract in the above described case is in satisfactory legal form, and may be executed, subject to the following conditions:

1. If the copy of the lease furnished to us is a true copy of the original, the purported assignment typed thereon is an imperfect transfer of the lease because it omits the name of the assignee and provides no space for the insertion of the name of the assignee. In such a case, a new assignment should be executed by the assignor, Mel Couer, or a new lease should be issued to Thomas A. Hazelton by the lessors.

2. Although there are three lessor-owners of the property, the Subordination Agreement is signed by only two of them. Therefore, J. B. Sivori should either add his signature to the Subordination Agreement already executed by the two other owners, or he should execute a separate Subordination Agreement.

3. The "Sketch To Accompany Contract" must be attached to each copy of the contract.

J. L. Hofflund

J. L. Hofflund
Chief Counsel

Attachment

HRUBIN/ema
Copy to: Mails & Files
J. H. Hofflund
H. Rubin
Chron.

FILE COPY
SURNAME:

Brewer
Selfridge

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

March 18, 1952

Memorandum

To: John L. Hofflund

From: Iron and Ferro-Alloy Division, Defense Minerals Exploration Administration

Subject: Contract for review and preparation
Docket No. DMA 1647X - Tungsten
Thomas A. Haselton, P.O. Box 621, Lindsay, California
Mt. Lewis Tungsten Claims
Tuolumne County, California

1. A rough draft of the contract is attached hereto, together with a copy of the lease.

2. The lease has no set term, is in reality a bond or purchase agreement, the maintaining of which depends upon the doing of a set amount of work per month.

3. One copy of the signed Landlord's Subordination is herewith; there are 5 additional signed copies in our docket file. These agreements must all be checked as some have not been completely filled out.

4. One copy of a "sketch to accompany contract" is herewith; there are 5 additional copies in our docket file.

5. The amount of the loan is $5,960.00 of which the Government's share is 75 per cent, or $4,470.00.

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

QLBrewer'lm
3/18/52

cc: Admn. Reading File
Docket
G. C. Selfridge
Q. L. Brewer

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

March 11, 1952

Memorandum

To: G. C. Selfridge, D.M.E.A.

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application — DMA 1647X
T. A. Hazelton — Tungsten
Iron King Mine
Tuolumne County, California

In accord with D. M. Lemmon and examining geologist, L. D. Clark, I recommend exploration of the Iron King Claim by 100 feet of crosscutting and drifting from existing adit with an additional 50 feet of drifting S W along vein if results of preliminary work are favorable.

Robert W. Geehan
Robert W. Geehan

1 copy - 400 file

OFFICE OF THE ADMINISTRATOR

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

March 6, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, Defense Minerals Exploration Administration, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-1647X (Tungsten) - Iron King, Lime Cap, Hunch and Tungstar, Mt. Lewis, Tuolumne County, California.

Reference is made to my subject memorandum to you dated February 21, in which in the second paragraph on page 2 I stated that I would send the required copies of the Landlord's Subordination Agreement to you as soon as received.

The required six copies of the Agreement have been received and are attached herewith.

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

Attachment

Copy to Thomas A. Hazelton
E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 10 1952

IN REPLY REFER TO:

G-MD-DML

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

March 4, 1952

Memorandum

To: George C. Selfridge, DMEA

From: D. M. Lemmon, U.S.G.S.

Subject: Field Report DMA 1647-X Tungsten
Iron King prospect
Confidence Mining District
Secs. 11 and 14, T. 2 N., R. 16 E.
Tuolumne County, California

According to a Field Team report dated November 13, 1951 the deposit was examined October 19 by Lorin D. Clark of the Geological Survey. Clark substantiates a memorandum report by Carlton D. Hulin (1941) and is unable to add any additional information. He recommends exploration of the Iron King deposit by extending an old adit 100 feet in stage 1, followed by an additional 50 feet of drifting in stage 2, depending upon results of stage 1. I concur with the recommendation that this work be done.

The Field report suggests that the work could be done for $30 per foot, but does not give a cost breakdown. The applicant, Mr. Thomas A. Hazelton of Visalia, California, was apparently not investigated, and no indication is given that Mr. Hazelton is desirous of doing this work. He originally requested a much larger sum for exploration of other claims.

The Field estimate of inferred ore above the proposed adit (75 feet below outcrop) is not substantiated by the 2 assays quoted, which show the ore to be only 2 feet wide at the surface.

The tungsten prospects in the Confidence area were described in the following article: Little, James M., Tungsten deposits of the Confidence Mining district, Tuolumne County, California: Calif. Jour. Mines and Geol., vol. 38, nos. 3 and 4, pp 283-290, July and October 1942 (publ. 1943).

Dwight M. Lemmon

Copy retained in FTA files

FICE OF THE ADMINISTRATOR

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1952

February 21, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, Defense Minerals Exploration Administration, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-1647X (Tungsten) - Iron King, Lime Cap, Hunch and Tungstar, Mt. Lewis, Tuolumne County, California

note new address

Reference is made to your subject letter to me dated January 25, and my reply to that letter dated January 29.

This morning the applicant, Mr. ~~Thomas A.~~ Hazelton, P. O. Box 621, Lindsay, California, called at the office as he was requested to do by me various times, the last time being on February 4.

The examining geologist of the U. S. Geological Survey recommended on page 4 of his report that the applicant be allowed to do 150 feet of exploratory drifting and crosscutting. Mr. Hazelton agrees with the geologist and will be entirely satisfied with a contract allowing him to do 150 feet of such work at $30 a foot.

Some road work will be necessary to get to the property. The applicant believes that the present heavy snowfall in the mountain will have damaged his road considerably and is under the impression that an item of $1,000 for repairing his access road should be included in his exploration contract. Knowing the approximate location of his deposit and what happens to mine roads when the snow begins to melt, I can go along with Mr. Hazelton's desire to have $1,000 for road repair.

The cost of this project would therefore be thus:

First phase:	100 ft.of drifting at $30 a foot	$3,000
	Repairing road	1,000
Second phase:	50 ft.of drifting at $30 a foot	1,500
	Total	$5,500

Mr. Hazelton who is a mining man has all the necessary equipment -- compressors, steel jack hammers, etc. at the property, and the use allowance is included in the cost per foot of drifting and crosscutting. He will employ one miner at a maximum of $16 a day and two muckers or helpers at $12 a day.

Work on the project cannot be started at the very earliest before May 15, and more likely it will be June 1 before access can be had to the property. The proposed work will be completed within 3 months.

Landlord's Subordination Agreements will have to be obtained. Mr. Hazelton is to send these to me in about 10 days and upon their receipt I will send them to you.

The docket along with four copies of a report, "DMA-1647, Iron King Mine, Mt. Lewis, Tuolumne County, California (Tungsten)", by Lorin D. Clark, Geologist, U. S. Geological Survey, dated November 13, 1951, is attached herewith.

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

Attachments

Copy to E. H. Bailey, USGS

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

ON-SITE
EXAM

DMA 1647, Iron King Mine

Mt. Lewis, Tuolumne County, California

(Tungsten)

Lorin D. Clark, Geologist
U. S. Geological Survey

November 13, 1951

Reviewed by
DMEA OPERATING COMMITTEE

2-29-52
(date) (JHB)

Summary

The open cut on the Iron King claim and the prospect pit of the Hunch claim are 140 feet apart and expose the ends of a single orebody. Data on the orebody is available only at the surface, but indicate that groundunder the Iron King open cut is favorable for exploration. Exploration to consist of a crosscut from an existing adit and a drift along the vein is recommended. If the surface dimensions of the orebody are maintained to adit level, backs containing 3600 tons of ore in a vein 3 feet or more in width and an additional 350 tons of ore in an extension of the vein with an average width of 2 feet will be opened by the drift. The grade of the ore at the surface is about 0.6% WO_3. Exploration should be divided into two phases: (1) 100 feet of workings at a cost of $3000, and (2) 50 feet of drift at an additional cost of $1500 provided that the results of the first phase are satisfactory.

Introduction

The Mt. Lewis claims are located in Secs. 11 and 14, T. 2 N., R. 16 E., Tuolumne County, California (see fig. 1). The Iron King, Hunch and Limecap claims are in Johnny Gulch, on the steep west of the slope of Mt. Lewis, at an altitude of about 3700 feet. The Tungstar claim is about 1000 feet north of the Iron King and about 500 feet higher.

The Iron King and Hunch claims were examined by the writer on October 19, 1951. The Limcap and Tungstar claims, included in the Mt. Lewis group were not examined. A report by C. D. Hulin that accompanies the application is apparently reliable, and it provides supplementary data on the property. There is no evidence that any work has been done since the time of Hulin's visit to the properties, and the exposures have probably deteriorated because of slope wash and slumping during the intervening period.

Accessibility

A dirt road about 4 miles long leads to the Iron King and Hunch claims from a point near Confidence on State Highway 108. The last 1½ miles of road is very steep and winding and is probably impassible for at least parts of the winter rainy season. The last-one-half mile of road is washed out in a few places and needs repair before being used. This part of the road is barely passable for a four-wheel drive vehicle to a point about 350 feet above the South Fork of the Tuolumne River, but beyond that point it is impassible.

To reach the claims, drive 17½ miles east from Sonora on State Highway 108. One-half mile east of Confidence turn right on a dirt road and go 1/4 mile to a crossroad. Turn right on another dirt road

and go about $1\frac{1}{4}$ miles to a fork. Take the left fork over a small hill and follow the steep, winding, one-way road about 1 mile to the bottom of the canyon of the South Fork of Tuolumne River. At the canyon bottom, follow the left fork of the road about 1/8 mile past a locked gate to a mill and miscellaneous buildings. The road to the Iron King and Hunch claims fords the river below the mill and switchbacks up the hill above the mill; it then follows Johnny Gulch to the claims. At the end of the road, an ore chute leads to the Iron King open cut. The Hunch prospect pit is in the bottom of Johnny Gulch, about 100 feet beyond the end of the road, at an altitude of about 550 feet above the South Fork of the Tuolumne River. The Iron King open cut is 140' northeast of the Hunch test pit.

Equipment and workings

At the time of examination no mining equipment was on the property. A tool shed, about 100 square feet in area with additional space under an extension of the roof, is in usable condition. The ore chute from the open cut to the end of the road could probably be used after making minor repairs.

Workings on the Iron King claim consist of an open cut about 60 feet long and an adit about 90 feet long at an altitude 75 feet lower than the floor of the open cut. The portal of the adit is partly closed by a small slide through which a drainage ditch has been made. The adit was not entered but was open for at least a short distance beyond the portal.

Workings on the Hunch claim consist of a prospect pit in the canyon bottom. The pit extends $1\frac{1}{2}$ feet below the normal stream bed. Between the Iron King open cut and the Hunch prospect pit, about 50 feet from the mouth of the cut, is a small prospect pit that is filled in nearly level with the ground surface.

Geology and Ore deposits

The Iron King open cut and the Hunch prospect are about 140 feet apart on the contact between granodiorite and metamorphic rock. At the open cut the granodiorite is in contact with mica schist. The ore is in the form of a massive schist. The ore is in the form of a massive sulfide vein, dominantly pyrrhotite containing scheelite. The exposed portion of the vein is 42 feet long and 7 to 9 feet wide. The scheelite is disseminated throughout the sulphide, but is concentrated in small irregular veinlets of quartz and epidote. The sulphide vein is separated from the main mass of the granodiorite by a zone about 8 feet wide consisting of massive brown iron oxide cut by thin bands of ferruginous granodiorite and mica schist. This material also contains disseminated scheelite, but is of lower grade than the sulphide vein. The schist on the southeast side of the vein did not appear to be mineralized. The sulphide vein and the foliation of the schist on the

southeast side are nearly vertical, but the schist bands in the ferruginous zone on the northwest side of the vein dip southeast about 80°. The attitude of the granodiorite contact was not determined.

The strike of the granodiorite contact, nearly parallel with the vein in the southwest end of the open cut, changes abruptly near the northeast end to a direction nearly normal to the trend of the vein so that the ferruginous zone and the sulphide vein are truncated by the crosscutting granodiorite.

At the Hunch prospect pit, bedrock is exposed only in the south wall of the canyon. The north wall and the bottom of the pit contain transported material. In the southwall, the granodiorite is in contact with silicated limestone and no sulphides or scheelite are present. A small dump on the edge of the pit contains about 1/2 ton of massive sulphide ore containing scheelite. Between the open cut and the Hunch prospect pit the contact zone is not exposed. A filled-in intermediate prospect pit contains a few loose boulders of massive sulphide with scheelite.

The fact that an orebody as much as 9 feet wide has formed in the schist at the Iron King open cut suggests that a favorable environment for ore deposition was provided by the schist. This schist is preserved in a re-entrant in the granodiorite contact and is missing at the Hunch prospect pit. If it is correct that the formation of an ore body more than, say, one or two feet wide depends on the presence of schist at the granodiorite contact, the existence of a vein at adit level of dimensions similar to the dimensions of the vein in the open cut will depend on the presence of schist at adit level.

Grade of ore and reserves

Three chip samples were taken in the Iron King open cut. Samples 1 and 3 represent zones 2 feet wide across the massive sulphide vein. Sample 1 is 6.5 feet long and sample 3 is 6 feet long. Sample 2 represents a zone 2 feet wide and 13 feet long diagonally across the ferruginous zone. Assays of the samples are as follows:

Sample No.	%, WO_3	%, Ni	%, Co	%, Pb	%, Zn	%, Cu
1	0.59	*0.01	*0.02	*0.1	*0.1	0.20
2	0.03	*0.01	*0.02	*0.1	*0.1	0.06
3	0.58	*0.01	*0.02	*0.1	*0.1	0.23

* Less than

Under ultra-violet light the scheelite fluoresces blue-white, indicating that the mineral is nearly pure $CaWO_4$. Most of the scheelite grains observed under ultra-violet light are between 0.5 mm and 5 mm in diameter.

Present ore reserves are limited to a few tons in the walls of the Iron King open cut.

Possible ore

Information on the size, grade, and attitude of the orebody is available only at the surface. C. D. Hulin's data on the surface dimensions of the orebody are used in making the following tonnage estimate because his measurements are more detailed than those that could be made during the present investigation. Presumably some of the exposures available at the time of his study have since been obscured, but insofar as information is available the findings of Hulin are largely substantiated. Hulin's tonnage calcuations are modified to the extent that possible ore is estimated to the elevation of the floor of the adit, whereas Hulin included an additional vertical distance of 11 feet between adit level and the creek bottom.

If the orebody is vertical and if its surface dimensions are maintained from the surface to the floor elevation of the adit, backs containing 3600 tons of ore in a vein 54 feet long and 3 to 9 feet wide would be opened by 100 feet of workings extended from the end of the present adit. An additional 50 feet of workings in a part of the vein that averages 2 feet in width would open backs containing 350 tons of ore.

Recommended exploration

It is recommended that the ground under the Iron King open cut and to the southwest be explored by means of a crosscut and drift from the existing adit (see fig. 2). A total of 100 feet of workings will be required; this figure can be broken down approximately as follows:

Crosscut from end of adit to vein	38 ft.
Drift to northeast end of vein	39
One or more crosscuts to determine thickness of vein	8
Drift southwest from point of intersection of crosscut from the adit with the vein	15
	100 ft.

Provision should be made in the original contract to allow for an additional 50 feet of drifting in a southwest direction along the vein provided that in the opinion of the DMA field team the results of the first phase of the work are favorable.

Costs

Because there is no mining equipment on the property at present it is estimated that the cost of exploration will amount to $30 per foot of workings. The first phase of the work, involving 100 feet of workings, will cost about $3000. In the event that the second phase of work, involving 50 feet of drift, is carried through, there would be an additional cost of $1500. Total cost for 150 feet of workings would thus be $4500.

If the surface dimensions and grade of the orebody are maintained to the floor level of the adit, the first phase of the work will open backs containing 3600 tons of 0.6% WO_3 ore; the second phase will open backs containing 350 tons of ore of the same grade.

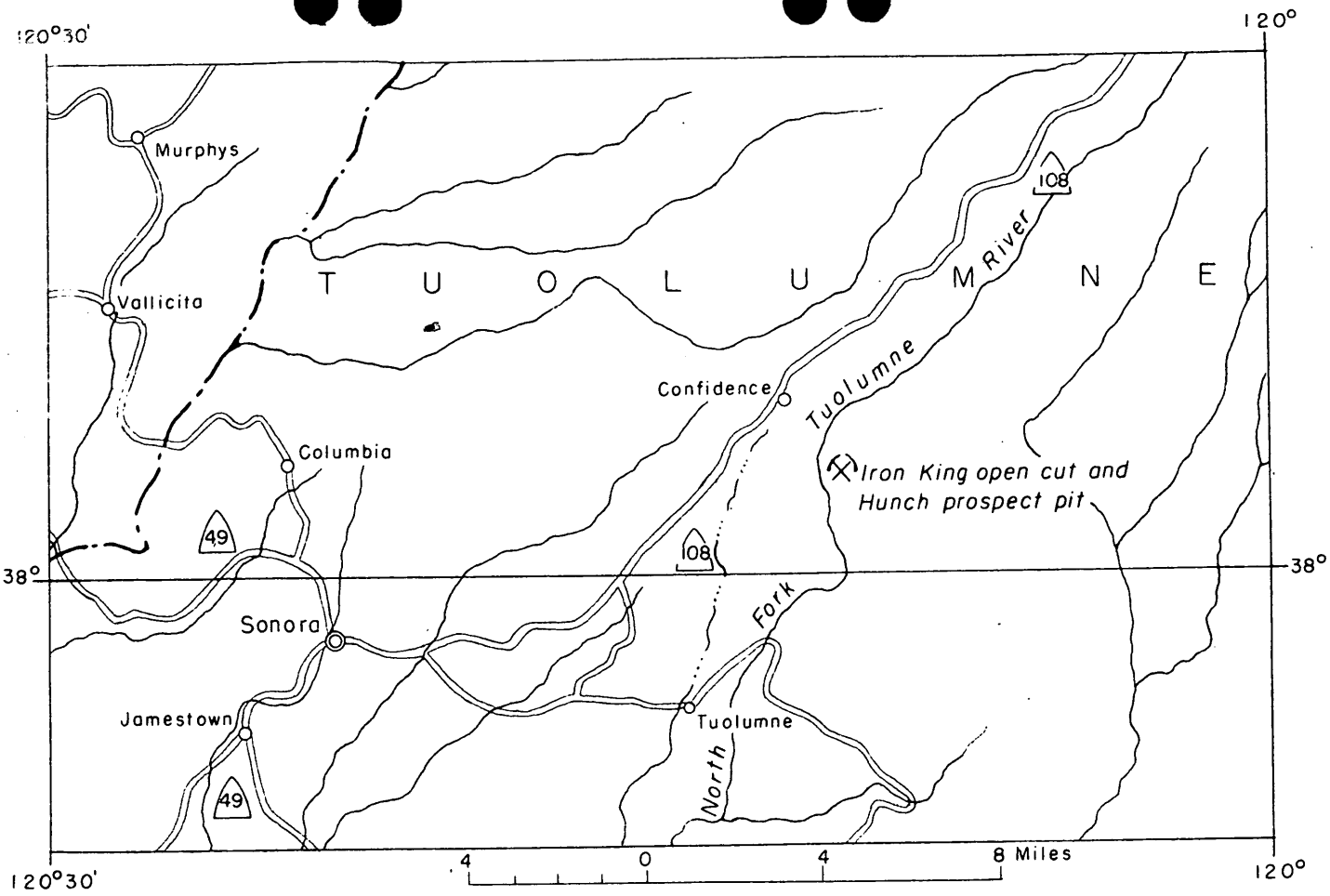
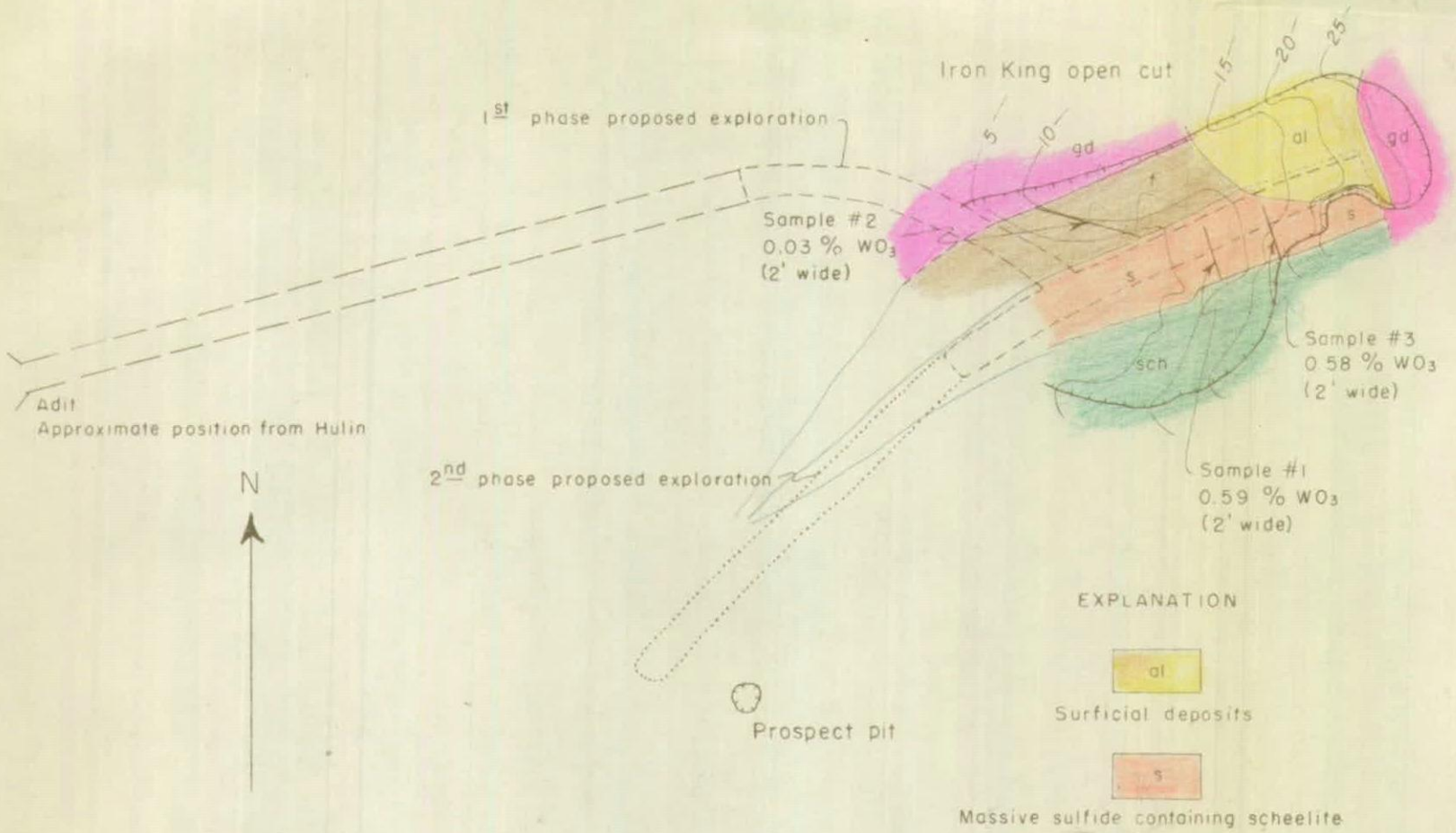
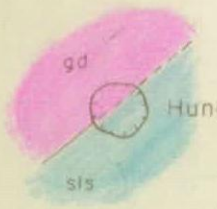


Figure 1.
INDEX MAP
SHOWING LOCATION OF
IRON KING OPEN CUT AND
HUNCH PROSPECT PIT

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMA-1647X
(TUNGSTEN)





Hunch prospect pit

SKETCH TO ACCOMPANY CONTRACT
D.M.A. 1647-X-TUNGSTEN
CONTRACT No.
☐ STAGE I ☐ STAGE II
Defense Minerals Exploration Adm
3-10-1952
by QLB.

Mapped by L. D. Clark, October 1951

~~Figure 2~~

SKETCH MAP OF IRON KING OPEN CUT AND HUNCH PROSPECT PIT
MT. LEWIS, TUOLUMNE COUNTY, CALIFORNIA

20 0 20 40 Feet

Contour interval 5 feet
Datum is floor of open cut

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 4 1952

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Office of
Executive Officer
DMEA Field Team
Region III

January 29, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, Defense Minerals Exploration Administration, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-1647X (Tungsten) - Iron King, Lime Cap, Hunch and Tungstar, Mt. Lewis, Tuolumne County, California.

Reference is made to your letter dated January 25, requesting me to advise you as to the progress of our investigation of the subject property.

In reply to Mr. Tom Lyon's request dated October 10, a field investigation was ordered and a report, "DMA-1647, Iron King Mine, Mt. Lewis, Tuolumne County, California (Tungsten)", by Lorin D. Clark, geologist, U. S. Geological Survey, dated November 13, 1951, was prepared. Copies of the report reached this office on November 14. On November 16 Mr. S. Ricker, acting for me as Executive Officer, DMA Field Team, Region III, wrote Mr. Thomas A. Hazelton, P. O. Box 1148, Visalia, California, in part as follows:

DMPA doesn't have. LS 2/8

no copy coming from Wash Weather 2/7/52 RCS

> ". . .The mine evidently has some merit and some exploration seems justified. However, parts of your application relative to proposed work and costs are not clear to us. Therefore, we would suggest that you call at our office in San Francisco, so that we may discuss your proposals and draw up a revised program and list of costs, which would be mutually satisfactorily to you and the Defense Minerals Administration".

On November 23, we received a reply dated November 21, from Mr. Hazelton from his new address: P. O. Box 621, Lindsay, California, which reads as follows:

new address

> "Replying to your letter of the 16th instant, relative to my application for exploration funds and your request that I run up to see you about the loan. Please be advised that I am in the throes of erecting a new mill on our Arrowhead Tungsten Property and

will not be able to get away for the next three weeks. I trust that this will not in any way inconvenience you and will inform you at the earliest possible moment that I can leave".

No further word has been received from Mr. Hazelton. If he doesn't write or call shortly, I'll write him again.

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

Copy to E. H. Bailey, USGS

FILE COPY
SURNAME:

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

JAN 25 1952

Mr. H. C. Miller
Executive Officer, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA 1647X - Tungsten
Iron King, Lime Cap, Hunch and
Tungstar, Mt. Lewis
Tuolumne County, California

Dear Mr. Miller:

A field appraisal of the above noted property was requested of your office by letter dated October 10, 1951.

Please advise us as to the progress of your investigation at this time.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

GGGentry:lm
1/24/52

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. III
G. C. Selfridge
G. G. Gentry

FILE COPY
SURNAME:

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

Walker
Holderer
Geehan

Mr. W. C. Miller, Executive Officer
DMA Field Team Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

OCT 1 0 1951

A.E.C.

Subject: [illegible]-1647X Tungsten - Thomas A. Hazelton, P. O. Box 1148
Visalia, California
Property: Iron King, Lime Cap,
Bunch and Tungstar, Mt. Lewis,
Tuolumne County, California

We are forwarding the subject application to you for a field appraisal. The application is very incomplete; however, the forms MF-100 were lost somewhere in DMA in connection with the serialization for priority. No doubt some of the missing information was on these forms.

We have no information as detailed as Hulin's report, which dates from 1941; and we do not know how much work has been done since then.

Based on Hulin's report, exploration should be limited to the Iron King deposit. It would appear that the logical first step is to extend the northerly tunnel (90 foot tunnel) the 35 feet to the wide part of the vein, as indicated in orange, to get 50-70 feet of backs. Drifting from this juncture to the end of the vein should indicate if further work is justified. Drifting of about 100 feet should do the job, as the surface has already been done. Total exploration costs should be on the order of $5,000 to $10,000 and not $190,877 as the applicant's cost indicates.

If your recommendations are favorable and the applicant agrees to the reduced project, please ask him to furnish all the necessary exhibits to complete the contract.

Very truly yours,

Parsons for J.Y. 10-10

Tom Lyon, Chairman
Coordinating Committee

TJBallard:ec
10/2/51

CC: Adm. Reading File
DMA Docket File
Enclosure
Mr. Geehan
Mr. Lemmon
Mr. Holderer
Coord. Comm.

Approved:
Form No. 15070

Lowell R. Moon

Geological Survey

Bureau of Mines

340 FILE COPY
SURNAME:

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

Robert Holderer
Ron Moon
ajp

Air Mail

OCT 10 1951

Mr. Thomas A. Hazelton
P. O. Box 1148
Visalia, California

In reply please refer to
DMA-1647X Tungsten

Dear Mr. Hazelton:

Your application for an exploration loan is being forwarded to Mr. H. C. Miller, Executive Officer, DMA Field Team, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for a field examination.

Please contact Mr. Miller and offer your co-operation in the examination.

Very truly yours,

SIGNED
Tom Lyon, Director
Supply Division

TJBallard:ec
10/2/51

CC: Adm. Reading File
DMA Docket File
Mr. Holderer
Field Team Region III
Mr. Lemmon
Mr. Geehan
Coord Comm.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : George B. Holderer DATE: October 1, 1951

FROM : T. P. Thayer

SUBJECT: DMA-1647 X

The Survey has nothing as detailed on the deposit as Hulin's report, which dates from 1941. The first question that comes to mind is - how much work has been done since the report was written?

On the basis of Hulin's report, exploration should be limited to the Iron King deposit. It would appear that the logical thing to do first is extend the northerly tunnel (90 ft. tunnel) the 35 feet to the wide part of the vein, as indicated in orange, to get 80-90 feet of backs. Drifting from this junction to the end of the vein should indicate whether further work is justified. 100 feet of drifting should do the job, as the surface has already been done.

A field team referral seems justified, possibly for a $5,000-10,000 exploration project; the loan requested is not at all justified.

Thomas A. Hazelton

DMA - 1647X - Tungsten
Iron King, et al. claims
Tuolumne County, Calif

Loan - $5,960.00
75% Govt - 4,470.00

Adm - E 305
Dated April 25, 1952
Run - 4 mos.
Expire Aug. 25, 1952.
Oct 25, 1952

DMA-1647, Adm E-305. Amend #1, Termination

340 FILE COPY
SURNAME:

Holderer

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

SEP 25 1951

Mr. Thomas A. Hazelton
P.O. ~~Box 1148~~
Visalia, California

Dear Mr. Hazelton:

This will acknowledge receipt of your letter of September 6, 1951.

Before a loan for the construction of a mill can be considered, it will be necessary to completely demonstrate that there are reserves of ore enough to make it possible to pay off the loan. This, of course, means that your mines must be developed and ore blocked-out.

The necessary forms are enclosed and you will see from these what information is required.

Very truly yours,

BJ 9/25

George B. Holderer
BC

George B. Holderer
Chief, Tungsten Branch

Enclosures

GBHolderer:dgs
Sep 21, 1951

CC: Adm. Reading File
Reports and Records Unit
Mr. Holderer

P.O. Box #1148, Visalia, Calif.

THOMAS A. HAZELTON

OIL LEASES - EXPLORATION - DRILLING

SUITE 105
8255 BEVERLY BLVD.
LOS ANGELES 36, CAL.
WYOMING 7888

Sept. 12th, 1951.

Mr. George B. Holderer,
Chief, Tungsten Branch,
Defense Minerals Administration,
Washington 25, D. C.

Subject: DMA-1647X
Re: Exploration Loan
Iron King, Lime Cap,
Hunch and Tungstar.

Dear Sir:

Under date of May 27th, 1951 an application for an exploration loan was filed, to which the above No. has been assigned, being Docket No. DMA-1647X, may I ask at this time what action and progress has taken place since the filing date, as much work as possible should be done before the winter months are upon us.

In this instance it would be necessary to provide a temporary camp as ingress and egress are difficult with the heavy snows encountered in that area. Will you kindly give this matter the required attention in order to facilitate the starting of actual operations.

Thanking you in advance for same and awaiting your reply with interest, I am,

Very truly yours,

Thomas A. Hazelton

T
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m y

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
SEP 18 1 52 PM '51

OFFICIAL FILE COPY

To	Init.	Date
210		9-19-51
210		

July 16, 1951

Mr. T. J. Hazelton
Ingalls, Kansas

Dear Mr. Hazelton:

This is to acknowledge your letter of July 5, 1951. Upon your request we are enclosing a copy of the Regulations WO-5, Forms MF-101 and 102 and five copies each of Forms MF-100 and MF-103.

To qualify for a loan to finance the construction of a small mill, you must be able to prove that sufficient tonnage is available to be treated in your mill to amortize the loan.

Very truly yours,

J. B. Owen, Chief
Copper Branch

Enclosures

Copy to: Mr. J. H. East, Executive Officer, DMA Field Team IV, w.c.i.
Reports and Records Branch, w.c.i.
Copper Branch, w.c.i.
Files

JWAlt:jp

Ingalls, Kans.
July 5, 1951

Mr. J. B. Gowen
Acting Chief Copper Copper Div.
Washington D. C.

Dear. sir;

Received your letter of June 27 in Reply to my letter of June 8th for whitch I thank you very mutch. Would you Please send me another set of forms, MO,-5 (Regualtions.) and Form M.F.101 and MF-102 application for Goverent Loan M.F.103 application for aid for an Exploration Project, as I am unable to Locate the forms I Received, Inclosed with your letter

yours very truly

T. J. Hazelton

Ingalls Kans__

FILE COPY
SURNAME:

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

June 19, 1951

Mr. Thomas A. Hazelton
P. O. Box 1148
Visalia, California

Subject: DMA-1647X
Re: Exploration Loan
Iron King, Lime Cap,
Bunch and Tungstar

My dear Mr. Hazelton:

Receipt is acknowledged of your application and attachments of May 27, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1647X and was referred to Mr. George B. Holderer, Chief, Tungsten Branch on June 12, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1647X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
>Files
Holderer
Lyon

dma 1647X

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Region III

1415 Appraisers Bldg.
630 Sansome Street
San Francisco 11, Calif.

May 31, 1951

Memorandum

To: Defense Minerals Administration, Washington, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Application for Aid for an Exploration Project

The attached application was received in this office on May 31, 1951.

Applicant: Thomas A. Hazelton
P. O. Box 1148
Visalia, Calif.

Date of Application: May 27, 1951

Estimated Cost: $20,000

Mineral or Metal: Tungsten

Percentage of Government Participation: 75%

Location of Mine: Mt. Lewis, Tuolumne County, California

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Postmarked May 31-1951
JUN 6 - 1951
LANDON F. STROBEL
Executive Secretary

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