UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated ~~(or cancelled~~) without certification. DMEA No. 1116

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.

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 _____

ga (HB)
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 7 1952

REPORT OF REVIEW

I have reviewed the Monthly Reports of

A. J. Lovegreen

Gardnerville

Nevada

pertaining to Exploration Project Contract No. Idm-Elb6 and Amendments 1 and 2, Budget No. DMA 1111X, for the period of May 1, 1952 to July 31, 1952.

My review included an examination of the Monthly Reports (Form DF-1013) 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. major portion ($1,750.00) of costs covered miners' wages paid for exploration activities;

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

Total cost as billed by Contractor		$2,850.00
Exceptions:		
By DMA Finance Officer	$20.00	
Herewith	-0-	20.00
		$2,830.00

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 Two Thousand One Hundred Twenty-two Dollars and 50/100,

- $2,122.50

is considered valid and proper.

Date: October 2, 1952

"(SIGNED) GEORGE MAYOR"
Auditor

ACCEPTANCE OF ASSIGNMENT

I, A. J. Lovestedt, this 17 day of July, 1952, accept the Assignment dated May 6, 1952, to me from S. G. Baker of all his right, title and interest in and to the Exploration Project Contract dated September 15, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, and the partnership composed of myself and S. G. Baker, and I agree to continue to be bound by the terms, provisions and conditions of the said contract that were binding on the partnership as "Operator."

Dated July 17, 1952

By A. J. Lovestedt
A. J. Lovestedt

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
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SAN FRANCISCO, CALIFORNIA

DEPARTMENT OF THE INT
Bureau Of Mines
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CONSENT TO ASSIGNMENT

To: S. G. Baker, hereinafter called "Baker"

and

To: A. J. Lovestedt, hereinafter called "Lovestedt"

Referring to Exploration Project Contract, Docket No. DMEA-1116X (Idm-E146) dated September 15, 1951, as amended, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and the partnership composed of Baker and Lovestedt; and

Referring to the Assignment of the Exploration Project dated May 6, 1952, whereby Baker transferred to Lovestedt all his right, title and interest therein; and

Referring to the Acceptance by Lovestedt dated July 17, 1952, and his assumption of all the obligations of said Exploration Project Contract;

The Government, without releasing Baker, hereby consents to the Assignment, Provided, That the cut-off date for contributions by the Government as between Lovestedt and the aforesaid partnership shall be May 6, 1952, any Government contributions up to and including said date being for the account of the said partnership, and contributions after that date being for the account of Lovestedt.

Dated July 22, 1952

UNITED STATES OF AMERICA

By C O Mitchendorf
Acting Administrator
Defense Minerals Exploration Administration
(formerly Defense Minerals Administration)

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.

May 8, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-1116X (Tungsten) - Exploration Project Contract Idm-E146

Attached is the original and three copies of the transfer of interest dated May 6, 1952, under the subject exploration project contract.

One copy is being returned to Mr. A. J. Lovestedt and another copy is being sent to our field engineers at Reno, Nevada. We shall expect the finance officer's copy from you shortly.

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

Attachment

Copy to A. C. Johnson, Reno, Nevada
E. H. Bailey, USGS
L. L. Norvell

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 12 1952

RECEIVED
MAY 16 1952
General Counsel
DEFENSE MINERALS
ADMINISTRATION

To whom it may concern:

"I hereby transfer and assign all of my right, title, and interest under contract Idm-E146, Docket DMA-1116X, to Mr. A. J. Lovestedt of Gardnerville, Nevada.

"Dated May 6, 1952.

S. G. Baker

Government Copy
Tungsten

AMENDMENT NO. 2

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Exploration Project Contract Idm-E146

Docket DMA-1116X A. J. Lovestedt

Defense Minerals Exploration Project Contract Idm-E146, dated September 15, 1951, between the United States of America and S. G. Baker and A. J. Lovestedt, which was transferred and all rights, title and interest assigned to A. J. Lovestedt on May 6, 1952, and Amendment No. 1 to said contract dated November 5, 1951, are hereby further amended by extending the starting date of the project to May 1, 1952. Under this amendment, the project is to be completed within a period of ninety (90) days after May 1, 1952.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the costs which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

Dated May 22, 1952.

UNITED STATES OF AMERICA

By W. Allen
Executive Officer - DMEA

A. J. Lovestedt
A. J. Lovestedt

GCS

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
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1972 MAY 25 AM 9:18

SAN FRANCISCO, CALIFORNIA

JUN 2 1952

Docket Copy

AMENDMENT NO. 2

Docket No. DMA-1116X Mineral Tungsten

Exploration Project Contract Idm-E 146

Date of Contract Sept. 15, 1951

Date of Amendment May 22, 1952

Operator S. G. Baker and A. J. Lovestedt

JUSTIFICATION

This amendment extends the starting date to May 1, 1952. Weather conditions starting with the unprecedented snowstorm on November 5, 1951, prevented starting the work on schedule and forced postponement of the work until spring.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 14 1952

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

JCS 7-22-52

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

Office of
Executive Officer
DMA Field Team
Region III

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

November 5, 1951

Messrs. S. G. Baker and A. J. Lovestedt
Baker and Company
P. O. Box 2044
Reno, Nevada

Docket DMA-1116X, Tungsten
Exploration Project Contract Idm-E146
S.G.Baker and A.J.Lovestedt, Partnership

Dear Sirs:

I acknowledge your letter dated November 1, informing me that due to unavoidable delay in getting started on your above-captioned exploration project contract, you will not be ready to start work until about November 10, 1951.

Accordingly, Article 3 of your contract is hereby amended to read:

"The operator, within sixty (60) days from the date of this contract, shall commence work on a project of exploration for 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 seven (7) months from the date of this contract. The exploration project and the work to be performed are more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract."

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the cost which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

Sincerely yours,

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

Copy to: C. O. Mittendorf, DMA, Washington (3 copies)
E. H. Bailey, U.S.G.S.
A. C. Johnson, Reno

AMENDMENT NO. 1

Docket No. DMA-1116X Mineral Tungsten

Exploration Project Contract Idm-E 146

Date of Contract Sept. 15, 1951

Date of Amendment November 5, 1951

Operator S. G. Baker and A. J. Lovestedt

JUSTIFICATION

Due to emergency work in connection with flood-control of the Truckee River at Reno, all available bulldozers were used on that job and equipment promised the operators was unobtainable. The stipulated starting date, therefore, could not be met. This amendment extended the starting and completion dates one month.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 14 1952

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

MF-200
(June 1951)

Docket No. DMA 1116X
Commodity Tungsten
Idm-E 146

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
OCT 4 - 1951
SAN FRANCISCO, CALIFORNIA

It is agreed this 15th day of September, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] S. G. Baker and A. J. Lovestedt, Partnership
2402 E. 4th Street
P. O. Box 2044
Reno, Nevada
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 Nevada, County of Douglas described as follows: [3] Three unpatented claims, The Pioneer, Ranger and Emigrant are in the Tungsten Hills Mining District, Sec. 24, T. 12 N., R. 21E

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:

None

~~(b) That he is, in possession and entitled to possession, and that the property is subject only to the following~~

3. *Exploration project.* The Operator, within Thirty (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] Six (6) 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 property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed 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 $2,141.25, which is 75 percent of the agreed estimated total cost of this project, $2,855.00.

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.

S.G.Baker and A.J.Lovestedt, Partnership
(Operator)

By S.G.Baker
Partner

By A.J. Lovestedt
Partner

THE UNITED STATES OF AMERICA

By C.Mutterdorf
Director, Production Expansion Division
Defense Minerals Administration

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

Docket No. DMA - 1116X
S.G.Baker and A.V.Lovestedt,Partnership
Exploration Project Contract Idm-E146

EXHIBIT "A"

Exploration Project:

To explore the mineralized zones on the Pioneer Claim for Tungsten ore by bulldozing, cleaning out and possible continuance of the 32-foot shaft and several other shallow shafts and pits, and further test pitting on favorable areas exposed by bulldozing.

Total Estimated Cost of the Project:

125-man shifts (Miners) @ $14.00 per shift	$ 1,750.00
Bulldozing @ $15.00 per hour, 32 hours	480.00
Allowance for Operator's equipment	125.00
Supplies, explosives, gasoline, oils	500.00
Total cost of project	$ 2,855.00

Fixtures and Improvements:

None

Operating Equipment:

To be rented for project:

1 Bulldozer and Operator $15.00 per hour

Equipment furnished by Operator	Allowance for use
Ingersoll-Rand Company rotary drill	$ 20.00 per month
90 c.f.m. portable compressor	20.00 per month
Jackhammer, hose and drill steel	10.00 per month
Total allowance	$ 50.00 per month

Labor and Supervision:

2 Miners @ $14.00 per day

Rehabilitation and Repairs:

None

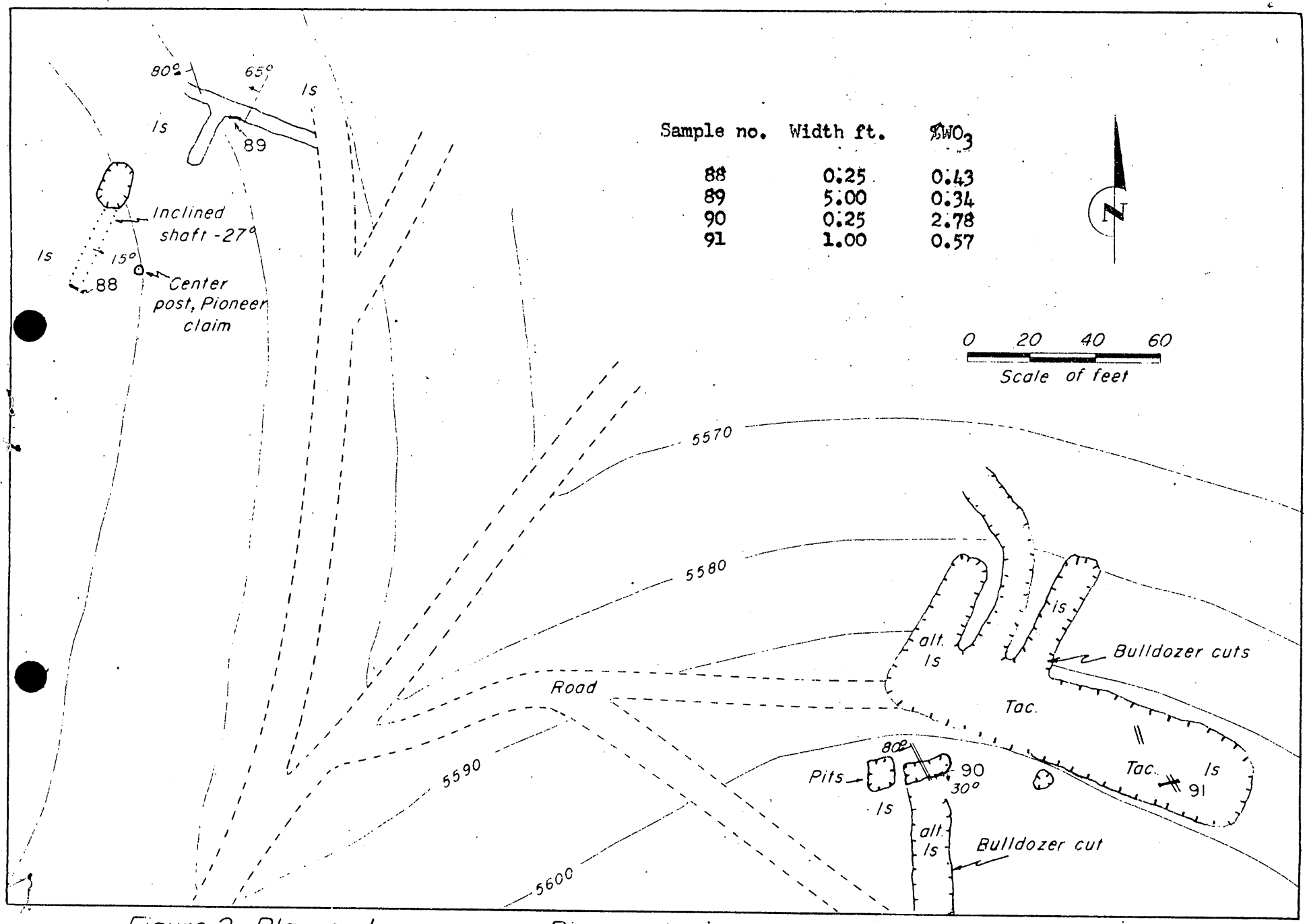

Figure 2- Plan and assay map, Pioneer tungsten mine, Douglas County, Nevada

DMA-1116X

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OCT 15 1951
G.A.O.

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-1116X

Date received 5/7/51

Participation

S. G. Baker & A. J. Lovestedt
2402 E. 4th Street
P. O. Box 2044
Reno, Nevada

Name and address of applicant

Date April 26th 1951

FILL IN THIS BLOCK

Date of application April 26th 1951

Estimated cost $ 2,000.00

Mineral or metal Scheelite Tungsten

Percentage of Government participation $ 1,500.00

Location of mine Pine Creek Mining District
Douglas County, Nevada

Date of filing MF-100 April 26th 1951

DMA Docket Number, if available Dma-1116X

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? Partnership.
*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.
*5. Are you the owner or the lessee of the property? Owner. (possesory title)
6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None
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.

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)~~

~~(Date)~~

By C. Baker Mgr
~~(Signature of authorized official)~~

C. J. Lindstedt
~~(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

THE APPLICANT.

*2. S. G. Baker, 2402 E. 4th St. Reno, Nevada. Mailing address P. O. Box 2044.
A. J. Lovestedt, 2402 E. 4th St. Reno, Nevada. Mailing address P. O. Box 2044.

*4.(a) to S. G. Baker. 36 years experience developing natural resources, (petroleum and mining) During World War 2. produced large tonnage of hi-grade tungsten. Shipments made under B&C Tungsten Co. Shipping point Salt Lake City, Utah to U. S. Milling and buying depot. Tungsten shipped from Minden, Gardnerville and Schurz, Nevada. Shipments running from 1% to as high as 19%. Have additional to hand equipment now on mine ground, power equipment such as compressor, air drills, drill steel, hoisting equipment, rails, cars and practically every item needed including generating plant for camp. These asked for funds to be used almost entirely for bulldozer and/ or power shovel operations.

(b) to A. J. Lovestedt, field work on the job under the direction of S. G. Baker. Just entering the mining field with one years experience.

*8. If answer is directed towards the property. Amount expended to date, for all work, supplies, equipment, etc. approximately as of 4-26-51 $600.00 (not including any salaries to the applicants)

If answer is directed to the Partnership. This arrangement was brought about less than one month ago. $1,000.00 set out for development of this claim and acquiring others adjoing. Tungsten in value equal to the amount has been recovered in the developemnt work to date.

9. The full amount of $500.00 as would the applicants portion of the $2000.00 proposed to expend on the project.

At the rate of present production truck shipments can start within 2 or 3 weeks time, but production will kost likely be held up until a more favorable market is available in accordance with news dispatches. At present our only source to market crude ore is to the U. S. Vanadium, Bishop, Calif. The local nearby mill is running capacity on their own ore.

THE PROPERTY

(10) 1 lode claim, The Pioneer which has been located surveyed, posts erected, and location work completed. Other ground adjoining and nearby staked and being explored for location if ore showings warrant. All ground within the Pine Creek Mining District acquired by the applicants to be added to the resources hereto. (b) same as (a)

(11) This, the Pioneer Claim is part of claims heretofore staked and abandonded.

(12) 14 miles from Gardnerville, Nevada. Take U. S. Hi*way 395 south from Gardnerville, 3 miles to road running east to Pine Creek, (turn off marked by sign Lazy-A Ranch) thence eastward for approximately 7 miles, thence south to sign denoting "Pioneer Mine". The road from hi-way 395 turn off to the Pioneer sign is a good dirt and gravel road and is kept graded by the County. This road also serves the Alpine Tungsten Mine and Mill which is about 2 miles beyond the Pioneer turn off.

(13) Ample water from Pine Creek and Springs for mining and domestic purposes available 3/4 mile from camp on Pioneer. Exact Power rate if we should decide to use the electric power available is not now known but we have been told by the Power Company it will be the same as the Mill just beyond which it serves.

(14) answered, 15. answered. *16. (a) answered. (b) The ground upon which the Alpine Mining Company has leased and the mill thereon was developed and mill erected about 1935, a shaft was run to 200' and mill erected shortly thereafter. The operation went forward for a short time but not sufficient ore was available from the property to support the mill. A financial arrangement was made about 1938 with the Nevada -Massachusetts Tungsten Co,, and they run the shaft somewhat deeper and did other exploration work but did not open any ore of any consequence and shortly thereafter bought the mill, camp and power line but during the last war, the power line was taken over by the power company. The Nev.-Mass Co has since leased the mill to the Alpine Mining Co. who has some ore there and at Hope Valley about 15 miles distant. I came to the Pine Creek District in Sept. 1942, looked the Country over, studied the underground workings of the mine shaft and workings, and the following year brought about hi-grade tungsten from over the hill from the mill property. My efforts have brought about all the tungsten of any consequence from the District. A number of cars of Hi-Grade running from 3 to 19% shipments were made therefrom. Development of the ground hereto concerned was just underway when the bonuses on tungsten were removed and thereby leaving us no market. (c) There are no private reports that I know of.

(*17) This has been answered.

(18) This has been answered in report above.

THE EXPLORATION.

(20) Tungsten.

(21) Stripping by bull-dozer and possibly power shovel, the deepening of a shaft which is now approximately 30' below the collar, this to include erecting light head frame. From 3 weeks to possibly 5 weeks will be required to complete the program outlined from the now known tungsten showings.

(22) There are no geological maps available. The scheelite so far produced from this area has come from the lime and granite contact which extends for a considerable distance, and in many places where it can be uncovered, tungsten in rather small but very hi-grade will be found. We are now removing tungsten that will average close to 5%.

THE REQUIREMENTS AND COSTS. (a) to (i) it is impossible to estimate this expense at this time other than as stated above. From this preliminary excavating we expect to continue mining on the basis outlined above and no funds will be needed for work other than the stripping operations above outlined. Production, after stripping operations will take care of future expenses or there will be no further operations- unless some large body of low grade ore should be encountered and this is not expected because it is not to be expected when the history of the District well known to the Applicant is considered.

(24) This is answered above. We might add that of the $2000.00 a small per cent may be spent for labor and some supplies and equipment in addition to the Bulldozing and power shovel. These 2 pieces of machinery are rentable from nearby and at reasonably low rates.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1116X

Date received 5/7/51

C. C. Baker & A. J. Lovestedt
2402 E. 4th Street (mailing address)
P. O. Box 2044
Reno, Nevada

Name and address of applicant

Date April 26, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (a) What are the chief mine, mill, or smelter products? Scheelite Tungsten.
   (b) What are the byproducts, if any? None of any value.
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (a) Linear feet of shafts. 20
   (b) Linear feet of drifts and crosscuts. none of any consequence
   (c) Linear feet of tunnels or adits. " " " "
   (d) Linear feet of other mine openings (explain briefly). Road and bulldozer cuts.
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point. 11 mi. s.e. Gardnerville, Nevada.
   (b) Mining district. Pine Creek
   (c) Township, Section, Range. Note now known to applicant. 2 mi. from Nevada-Lessa owned
   (d) County, State. Douglas, Nevada. Tungsten Hill)
4. (a) State whether or not property is now in operation, and if in operation, by whom operated. Yes- Applicant.
   (b) Are you operating this property as: Tungsten mine
   ☒ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production ~~This claim produced some in 1943. by this Applicant.~~
   If not in production or operation, estimated date when production will begin NOW PRODUCING SOME.
6. Experience of operators:
   Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who manage the project. (a) C. C. Baker, producer for 20 yrs. heavy tungsten producer 1943-44, some (b) C. C. Baker. from this claim and adjacent claims.)
7. History:
   (a) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (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.

16—63792-1

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
[illegible]	[illegible]						
[illegible]	[illegible]						
[illegible]	[illegible]						
[illegible]	[illegible]						
[illegible]	[illegible]						
[illegible]	[illegible]						
[illegible]	[illegible]						
[illegible]	[illegible]						
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	None since this property mined 1944.				
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. This property should soon be producing at the rate of 1 car (40 tons) per month hi-grade tungsten. i.e. 3% to 10%

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

Lime and granite contact occurring in veins or vugs of short

clearance on strike and shallow depth to bottom of vein. Some areas vein lays in blanket below 2 to 3 feet of windblown and hillwash over burden. The applicant produced exceptionally hi-grade WO3 from this & adjoining nearby claims 10/2-11.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved) Scheelite Tungsten	not now known	~~Xxxxx~~ 1 to 10%	per unit $65.00	at present $36.00	$5.00 to 10.00
Indicated (probable) Stripping operations todate and hand methodd mining 100 to 500 tons.					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads. 2mi. to nearby mill country road. 11 mi. country rd. 169 mi. paved to U.S. Vanadium, Bishop, Calif.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

Year round creek & springs nearby.

15. Power:

Hi-power line passes over top of workings

State amount of power used, rate per hour, and source thereof. Not now known.

16. Labor: All operations of mining to be carried out on lease-royalty basis.

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

None. All operations of mining to be carried out on lease-royalty basis.

17. Equipment and Facilities:

Some bull-dozing done & paid for. selective mining by hand to conserve the property. (State condition) Is major mines to equipped

Describe present equipment on the property including buildings now owned or controlled and in serviceable condition available for this operation. Portable trailer house.

all mining equipment so far confined to all kinds hand tools.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

Extensive stripping operations necessary to uncover areas on contact.

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.

C. G. Baker & A. J. Lovestedt
(Name of company)

By C. G. Baker Mgr
(Signature of authorized official)

A. J. Lovestedt
(Title)

April 26, 1951
(Date)

Partners.

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA 1116X Contract No. LDMF 146
Operator's Name Andrew J. Lovestedt Minerals Tungsten
Address Gardnerville Nevada
Contract Amount, $ 2,855.00 Government Participation: 75 % Amount, $ 2141.25

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / ~~Short Form~~ Contracts:						
Drilling						
Bulldozing	0	$480.00	$480.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	$700.00	$1,050.00	$1,750.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	$40.70	$21.10	$61.80			
Pipe						
Track						
Other Supplies	$89.99	$348.00	$438.00	94.27	252.83	342.82
(4) Operating Equipment:						
Rental	$60.00	$60.00	$129.00	50.00	50.00	100.00
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	$890.69	$1,959.31	$2,850.00	884.97	1853.93	2738.90

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

Date Aug. 1st. 52 *Payee Pioneer Tungsten Mine

Per Andrew J. Lovestedt Title Owner

*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:

$ 663.73

Signature 10/1/52 (Authorized Certifying Officer)

Date ~~AUG 14 1952~~ Vou. No. SF-DMEA 17

(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 A. C. Johnson Title Chief, Mining Div. Date August 4, 1952.

A. C. Johnson Norton [illegible]

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date Aug. 13, 1952

H. C. Miller

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 1952 Docket No. DMEA 1116X Contract No. IDME 146

Operator's Name Andrew J. Lovestedt Minerals Tungsten

Address Gardnerville Nevada

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	cu.yd.	0	0	480.00	1400	00.34285		
Trenching	"	$300.00	40	462.00	58	7.97		
Test Pits	"	$590.69	50	1,908.00	119	16.04		
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$890.69	90	2,850.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$890.69	9	$2,850.00				

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

Date Aug. 1st 1952 Operator Pioneer Tungsten Mine

Per Andrew J Lovestedt Title Owner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Pioneer Tungsten Mine Progress Report
July 1952

Work under this contract has now been completed, and mining is being started on two veins of high-grade tungsten. An estimated ten tons of 3% ore was removed from these veins in exploration.

During the past month, an incline test pit app. 35 ft. in depth and one 15 ft. were put down on a fair showing with ore showing going down, but it is believed that it will take further exploration before these showings will be suitable for mining. Other test pits of varying depths were dug; also some trenching. There are still some good spots which have not been explored that will be worked on along with mining during the next two or three months.

A bulldozer is being hired to do some stripping of the veins on which work is being done.

There are app. 150 tons of millable ore which the bulldozer pushed up during the dozing which was done under the contract. This ore along with what can be mined is expected to be milled at the Alpine Tungsten Mill in late Sept. or Oct.

The existing incline shaft has been extended 6 ft. with a continuance of the vein being found.

Andrew J. Lovestedt

Andrew J. Lovestedt

SF- Dmca - 3

MF-104
(April 1951)

Budget Bureau No. 42-R1036.
Approval expires 6-30-51.

8 - 7 - 52

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 21 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts will be made from time to time.

CERTIFICATION

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.

Pioneer Tungsten Mine
(Name of Company)

By Andrew J. Lonestedt
(Signature of Authorized Official)

July 1, 1952
(Date)

Owner
(Title)

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.

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator Andrew J. Lovestedt
Project No. DMA 1116X 1DM-F 146
Total contract amount $2855.00
Government participation percent 75

Distribution of Expenditures for Month of June

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	700.00	350.00	1,050.00			
Equipment purchase [1]						
Equipment rental [2]	60.00	00.00	60.00	50.00		50.00
Buildings						
Explosives	21.10	00.00	21.10			
Repair parts						
Other supplies	208.79	139.42	348.21	113.41		252.83
Power						
Transportation						
Withholding taxes						
Compensation insurance						
Other insurance						
Contract work	480.00	00.00	480.00			
Other (specify)						
Total	1,469.89	489.42	1,959.31	1364.51		1853.93
Totals previously reported	489.42			489.42		
Totals to date	1,469.89			1853.93		1853.93

FOR GOVERNMENT USE ONLY

Checked by fh
Entered by
Approved by A. C. Johnson
Amount approved for payment 1023.38
Remarks

AUG 7 1952

Lloyd L. Norvell
Authorized Certifying Officer

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

Pioneer Tungsten Mine Payroll

June, 1952

NAME	NO. OF DAYS	RATE	AMOUNT
Andrew J. Lovestedt (534-24-0242)	25	$14.00	$350.00
Claude B. Lovestedt (517-14-2638)	25	$14.00	350.00
			$700.00

"I certify this payroll is correct."

Andrew J. Lovestedt

Andrew J. Lovestedt

Pioneer Tungsten Mine Progress Report

June, 1952

Bulldozer work of the entire amount specified in the contract (32 hours) has been completed. An estimated 1400 cu. yds. of overburden were removed. This stripping uncovered numerous good showings of tungsten, and 50 man-shifts of labor have been put in digging test pits on some of these showings.

A compressor and a jack-hammer have been rented. It was necessary to purchase hose, drill steel, and drill bits as the owner of the compressor would not rent these because of the fact that drill bits, steel and hose are easily damaged in use.

Numerous holes from 3 to 6 ft. in depth have been drilled and nearly a box of dynamite and caps have been used.

A small tungsten lamp was purchased for mining as the large lamp that has been in use used a set of batteries in less than a week if used steadily, at the cost of $4.95 per set. The small lamp uses 85¢ to $1.00 batteries which last a week. The large lamp is unsurpassed for exploring bulldozer cuts, etc. if not run for too long at one time.

Andrew J Lovestedt

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF June

Name of operator Andrew J Lovestedt
Project No. DMA 1116X 1DM-F 146
Total contract amount $2855
Government participation percent 75

Type	Number	Man-Shifts	Rate	Total
Miners	2	50	$ 14.00	$ 700.00
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	2	50	14.00	700.00

Note.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by A. C. Johnson
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF June

Name of operator Andrew J. Lovestedt
Project No. DMA 1116X 1DM-F 146
Total contract amount $2855.00
Government participation, percent 75

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden		480.00			480.00	cu. yd.	1,400	0	1,400	
Rehabilitation and preparation										
Geology and geophysics										
Trenching								18	18	
Sampling and assaying										
Roads and trails										
Test pits	700.00	60.00	229.89		989.89	cu. yd.	50	19	69	
Other (specify)										
Totals	700.00	540.00	229.89		1,469.89	cu. yd.	1,450	37	1,487	

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by R. C. Johnson
Remarks

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, California

August 11, 1952

Mr. A. J. Lovestedt
General Delivery
Gardnerville, Nevada

Re: Pioneer Tungsten
Docket DMEA-1116X
Contract Idm-E 146

Dear Mr. Lovestedt:

Your monthly progress report, form MF-104, for month of June 1952, has been audited and approved in the amount of $1,023.38.

The following exceptions and disallowances were made and documentation supporting same is returned herewith.

Invoice No.	Vendor	Amount
73810	Sierra Machinery Company	$ 1.34
73814	" " "	2.22
13906	Nevada Equipment Service Inc.	.72
7209	Baker and Company	91.10
		95.38
Equipment Rental - (no invoice)(allowable $50.00)		10.00
	Total disallowance	$105.38

Your contract specifically provides under Exhibit "A" that the equipment to be furnished by you under depreciation allowance is as follows:

Ingersol-Rand Company rotary drill	$ 20.00 per mo.
90 c.f.m. portable compressor	20.00 per mo.
Jack hammar, hose and drill steel	10.00 per mo.
Total allowance	$ 50.00 per mo.

Form 6-95

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REFERENCE SLIP

DATE 8/11

REFERRED TO:

1. ~~A. Mann~~
2.
3. E. J. Gallant
4.

FOR:

- ---------- Action
- ---------- Approval
- ---------- Comment
- ---------- Conference
- ---------- Consideration
- ---------- Filing
- ---------- Instructions
- ---------- Investigation
- ---------- Initials
- ---------- Mailing
- ---------- Previous correspondence
- ---------- Recommendation
- ---------- Record of ----------
- ---------- Referring to ----------
- ---------- Reply for signature of ----------
- ---------- Rewriting
- ---------- Signature
- ---------- Suggestions
- ---------- Your information

REMARKS: For W/O

Gentl: Here goes my note for the Yellowstone Times Leader.

Check (X) before the items needing attention.

GPO 16—51162-1

Initials of sender.

Exhibit "A" of the contract is construed to mean that these items are to be furnished by the operator in a complete and workable condition as a total depreciation rental of $50.00 per month. The invoices cited in the disallowance appear to cover purchase of a part or parts for the above equipment. The Government is not committed to enter into the purchase of equipment or parts, therefor, on which there is an allowance for rental or depreciation.

Very truly yours,

Lloyd L. Norwell
Authorized Certifying Officer

Enclosure

Files
Chrono
✓Norwell (4)

Norwell:fc

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

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

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

Month of June, 1952 Docket No. DMEA 1116X Contract No. IDME-146
Operator's Name Andrew J. Lovestedt Minerals Tungsten
Address Yerington Nevada
Contract Amount, $ 2,855.00 Government Participation: 75% Amount, $ 2,141.25

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent ~~Short Form~~ Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Supplies	91.10	139.42	230.52			
(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	91.10	139.42	230.52			

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

Date ~~July~~ Oct 4, 52 *Payee Rinnees Tungsten Mill

Per Andrew J. Lovestedt Title Owner

*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:

$ 68.33

Signature A. J. RENNER
(Authorized Certifying Officer)
AUTHORIZED CERTIFYING OFFICER

Date 10/1/52 Vou. No. SF-DMEA-17

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

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 M-24A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1952 Docket No. DMEA 1116X Contract No. IDME-146
Operator's Name Andrew J. Lovestedt Minerals Tungsten
Address Lowlandville Minnesota

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits		91.10						
Roads and Trails								
TOTAL DISTRIBUTED COSTS		91.10						TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		91.10						

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

Date ~~June~~ Sept 4 52 Operator Pioneer Tungsten Mine

Per Andrew J. Lovestedt Title Owner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

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, California

August 29, 1952

Mr. Andrew J. Lovestedt
Pioneer Tungsten Mine
General Delivery
Gardnerville, Nevada

Re: Docket DMEA-1116X
Contract Idm-E146

Dear Mr. Lovestedt:

Your letter transmitting invoice No. 7209 of Baker and Company in the amount of $91.10 as a reclaim of items disallowed in your June report has been received.

In order to be considered, the invoice should be shown in a subsequent Form MF-104, attaching a copy of the original letter of disallowance, together with a copy of this letter. The matter has been discussed with a representative of the Washington Office and a determination should be received in this office by the time your reclaim has reached us.

The invoice and your letter (undated) are returned.

Very truly yours,

Lloyd L. Norvell
Authorized Certifying Officer

Enclosures

ACCOUNTS SEP 8 1952

Gardnerville Nevada
Sept 4, 1952

U S. Bureau of Mines
1012 Flood Bld
870 Market St
San Francisco Calif
Lloyd L. Norrell

Dear Mr Norrell

I am returning the vouchers on Baker & Co for 91.10 along with the papers which you mentioned in your letter of Aug 29.

I have made five copies of MF 104 as I thought it might be necessary.

I only filled in the 91.10 and some of the figures from May I hope this will be sufficient.

Very Truly Yours
Andrew J Lowell

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1952 SEP 8 AM 11:16

SAN FRANCISCO, CALIFORNIA

DMEA-SF-

MF-104
(April 1951)

Budget Bureau No. 42-R1036.
Approval expires 6-30-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 23 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts will be made from time to time.

CERTIFICATION

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.

Pioneer Tungston Mine
(Name of Company)

By Andrew J Forestedt
Owner (Signature of Authorized Official)

June 2, 1952
(Date)

(Title)

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.

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator A. J. Lovestedt
Project No. DMA 111 6X IDM-E 146
Total contract amount $2,855.00
Government participation percent 75

Distribution of Expenditures for Month of May, 1952

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	350.00					
Equipment purchase [1]						
Equipment rental [2]						
Buildings						
Explosives						
Repair parts						
Other supplies	139.42					
Power						
Transportation						
Withholding taxes						
Compensation insurance						
Other insurance						
Contract work						
Other (specify)						
Total	489.42					
Totals previously reported						
Totals to date						

FOR GOVERNMENT USE ONLY

Checked by [illegible]
Entered by
Approved by A. C. Johnson
Amount approved for payment $367.06
Remarks

JUN 11 1952
Lloyd L. Norvell
Authorized Certifying Officer

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

28

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF May, 1952

Name of operator A. J. Lovestedt
Project No. DMA 1116X IDM-E 146
Total contract amount $2,855.00
Government participation percent 75

Type	Number	Man-Shifts	Rate	Total
Miners	2	25	$ 14.00	$ 350.00
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	2	25	14.00	350.00

Note.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by A. C. Johnson
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF May, 1952

Name of operator A. J. Lovestedt
Project No. DMA 1116X IDM-E 146
Total contract amount $2,855000
Government participation, percent 75

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching	112.00		50.00		162.00	Cu.Yds.	18	0	18	
Sampling and assaying										
Roads and trails										
Test pits	238.00		89.42		327.42	Cu.Yds.	19	0	19	
Other (specify)										
Totals	350.00		139.42		489.42		37		37	

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by A. E. Johnson
Remarks

Gardnerville, Nev.
June 2, 1952

Progress Report
Pioneer Tungsten Mine

Twenty-five man shifts of labor have been put in trenching and test pitting. A trench of approximately 40 feet in length and four feet in depth has exposed a vein of tungsten from three inches to one foot in width.

Approximately three tons of tungsten ore of from 1% to 2% was removed in the digging of the above trench.

Several test pits have been dug with some good showing of tungsten.

A bulldozer has been contracted for and is now on the property to start work June 2.

Andrew J. Lovestedt

Andrew J. Lovestedt

PAYROLL-PIONEER TUNGSTON MINE

MAY, 1952

NAME	NO. OF DAYS	RATE	AMOUNT
Andrew J. Lovestedt	15	$14.00	$210.00
Claude B. Lovestedt	10	14.00	140.00

"I certify this payroll is correct."

Andrew J. Lovestedt

Andrew J. Lovestedt

Social Security Nos.

Andrew J. Lovestedt 534 24 0242
Claude B. Lovestedt 517 14 2638

A. G. Johnson, Chief, Mining Div., Reg. III May 29, 1952

George H. Holmes, Jr., Mining Engineer, Bureau of Mines, Reg. III

Pioneer Tungsten Mine, Douglas County, Nev. - Contract Idm-K146

The Pioneer Tungsten mine was visited on May 28 for the purpose of inspecting work done under the DMEA contract. Work started on May 1 consisted of trenching in a favorable area near the center of the Pioneer claim and sinking several test pits in an old bulldozed area to the east. Some mineralization was encountered but sampling was deferred until the trench and pits have been completed. All work so far has been done by pick and shovel.

The operators plan to start bulldozing next week to be followed by more trenching and test pitting. An air compressor will be rented so faster progress will be made.

A. J. Lovestedt and Claude Lovestedt are doing the exploration work.

George H. Holmes, Jr.

George H. Holmes, Jr.

Office Memorandum • UNITED STATES GOVERNMENT

TO : Administrator, DMEA

DATE: November 21, 1952

FROM : Iron and Ferro-Alloy Division, DMEA

SUBJECT: Memorandum of Non-Discovery
Docket No. DMA 1116X - Tungsten
Andrew J. Lovestedt
Pioneer Tungsten Mine
Douglas County, Nevada
Exploration Project Contract No. Idm-E146

This Division hereby concurs with the field team's conclusion that the work done at the subject property, in accordance with the corresponding contract, has resulted in no discovery or development from which commercial production of ore may be made.

The property, the work done and the results obtained are described below:

1. The property explored is known as the Pioneer claim and is located in the Tungsten Hills Mining District about 10 miles southeast of Gardnerville, Douglas County, Nevada.

2. The mineral sought was scheelite, distributed erratically through a contact metamorphic deposit, and occurring mainly in silicated limestone but to a minor extent in intrusive felsite sills.

3. The work done included trenching and test pitting in 4 favorable areas, followed by bulldozing to strip overburden and expose the underlying bedrock. After additional test pitting, two short inclined adits were driven and the 32-foot inclined shaft in working No. 3 area was extended 6 feet.

   A summary of the work follows:

   Bulldozing - 4 areas, estimated 1,644 cu. yds. removed
   Trenching - 200 linear feet
   Test pitting - 14 pits, 43 linear feet
   Shaft sinking - 6 feet
   Inclined adits - 65 feet

4. The results were of negligible economic value. In working No. 1, an area of about 2 square feet was estimated to lamp about 0.1 percent WO_3. In Working No. 2, an area of 10 by 30 feet was estimated to lamp 0.15 percent WO_3. The rock

from the northern incline lamps less than 0.1 percent WO_3 and the southern incline, in a felsite sill 4 feet thick, exposed only a few grains of scheelite.

In Workings Nos. 3 and 4, small widely-spaced concentrations in places lamp as high as 2 percent WO_3 over an area of several square feet, but on an average the scheelite bearing limestone lamps between 0.1 and 0.2 percent WO_3, as most of the silicated limestone is virtually barren.

The deposit contains no measurable reserve of ore.

5. During exploration of Working No. 3, about 150 tons of low-grade material, estimated on lamping to grade 0.1 to 0.2 percent WO_3, was bulldozed into a stockpile. Subsequently, 10 tons of ore from which a grab sample assayed 1.36 percent WO_3 was hand sorted from the above material. The field team estimated that the Government's royalty on this production, assuming an 80 percent recovery at the Alpine mill, Gardnerville, Nevada, would be $27.27. No royalty is payable, however, because, according to the subject contract, the Operator is not obligated to pay royalty to the Government unless a discovery or development is certified. Reference is made to the Operating Committee's letter of October 23, 1952, explaining the foregoing to Mr. H. C. Miller, Executive Officer, Region III.

6. No equipment was purchased under the subject contract, and therefore, no equipment remains in which the Government has an interest.

7. The project was started on May 1, 1952, by Messrs. S. G. Baker and A. J. Lovestedt, partners, but Mr. Baker assigned his interest to Mr. Lovestedt on May 6, 1952, and Mr. Lovestedt accepted the assignment on July 17, 1952. The project was completed in July, 1952. The amount expended was $2,850.00 which gave unit costs as follow:

Item	Unit	Cost
Stripping	Cubic Yard	$ 0.34285
Trenching	Cubic Yard	7.97
Test Pitting	Cubic Yard	16.04

The Government's share of the exploration cost was $2,137.50 or 75 percent of the total expenditure, subject to final audit.

G. C. Selfridge

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

ited

Certified

me A.J.Lovestedt

State Nevada

W[illegible] ANALYSIS SHEET - DMEA PROJECT[illegible]

Analysis as of 12/3/1953
Incl. Voucher for _____

Commodity Tungsten

[Yes] Actual Cost

[ ] Agreed Unit Costs

Docket No. DMA-1116X

Idm-E No. 146

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting					
Raising					
Shafts Test Pits		1,875.00		1,898.00	1,898.00
Winzes					
Drilling (Specify)					
Surface Excavation		480.00		932.00	932.00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation		500.00			
New Building, Improvements, etc.					
Other (Specify)					
Totals		2,855.00		2,830.00	2,830.00

Prepared by TLC

71626

400

FILE COPY
SURNAME:

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

Rutledge
Martin
Hedges
Lemmon
Selfridge

B.W.

Mr. A. J. Lovestedt
c/o General Delivery
Gardnerville, Nevada

FEB 17 1953

Re: Docket No. DMA 1116-X - Tungsten
A. J. Lovestedt
Pioneer Mine
Douglas County, Nevada
Contract No. Idm-E-146

J.C. 2/17/53

Dear Mr. Lovestedt:

This is with reference to the subject exploration project contract between A. J. Lovestedt and the Government.

The final audit of the contract expenditures and the final reports of the Operator and the Field Team have been received and accepted by this Administration. Of the total amount of $2,855.00 approved under the contract, the amount of $2,830.00 was expended and the Government's share of 75 percent, or $2,122.50, 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.

Because the results of the exploration project 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 Paragraph 11 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,

C. O. Mittendorf (fw)

Administrator

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

FARutledge/hhb
2/16/53

FILE COPY 400
SURNAME:

GS
Carl
Holtland

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

OCT 23 1952

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

Re: Docket No. DMA 1116X - Tungsten
A. J. Lovestedt
Pioneer Mine
Douglas, Nevada
Exploration Contract Idm-M46

Dear Mr. Miller:

Reference is made to your letter of October 7, 1952, transmitting to the Operating Committee 4 copies of the final inspection report on the subject property, prepared by G. H. Holmes, Jr., U. S. Bureau of Mines, and W. P. Irwin and G. W. Walker, U. S. Geological Survey.

This Administration concurs with the field team's conclusion that no significant discovery or development has resulted from the above exploration project and, therefore, no certification will be made.

The same report estimates that a royalty of $27.27 would be payable to the Government if the Operator could sell to the Alpine mill of the Metallurgical Development Company, Gardnerville, Nevada, 10 tons of ore handsorted from about 150 tons of low grade uncovered by the bulldozer. We assume from the use of the word "subsequent" that the handsorting was done after the termination of the work under the contract. According to the Operator's narrative for July, 1952, an estimated 10 tons of 3 percent ore was removed from these veins in exploration, and 150 tons of millable ore is expected to be treated at the Alpine mill in late September or October. It would appear that the Operator over estimated the grade of his ore.

The letter does not say what we would do if a project found good ore, but was able to mine it all out during course of the exploration. That is possible but is unlikely and seems better not to discuss hypothetical cases here. - WSM

We do not need to give any further consideration to the foregoing computation, however, because, according to contract Idm-M146, the Operator is not obligated to pay royalty to the Government unless a discovery or development is certified.

Similarly, you may recall that during the course of contract Idm-M3 (Docket No. DMA 142X - Tungsten; David G. Wood) 43 tons of ore containing 1.05 percent WO_3 was mined and stockpiled. In that case, too, the property was found to be without merit, and we saw no justification in certifying a discovery merely to collect one royalty payment of $88.56.

There was also an instance in Region IV when about 20 tons of ore estimated to contain between 1 and 2 percent WO_3 was recovered from exploration workings during project Idm-M90 (Docket No. DMA 838X - Tungsten; Tungsten Mining Company). No discovery or development was certified and, consequently, the Operator was not obligated by the contract to pay royalty to the Government on that small tonnage.

Incidentally, there are numerous projects from which we are receiving royalty payments while the project is currently active, but we shall be obliged to return the royalties at the conclusion of any such project unless certification of discovery is made within six months after termination thereof.

Our records (without adjustment for reclaim of $91.10 covering items disallowed in Operator's June report) show that contract Idm-M146 was terminated at the end of July, 1952, after expenditure of the contract sum of $2,738.90, of which the Government's share was $2,054.18, as reported by your office.

Sincerely yours,

10-23

(signed) FRANK E. JOHNSON (SWB)

Chairman, Operating Committee

WSMartin'lm
10/16/52

Approved:

Charles N. Merrill (SWB)
Member, Bureau of Mines

A. R. Kinkel, Jr. (SWB)
Member, Geological Survey

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

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 14 1952

October 10, 1952

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 DMA 1116X (Tungsten), Exploration Project Contract Idm-E146, A. J. Lovestedt, Pioneer Mine, Douglas, Nevada

Reference is made to your subject letter, dated October 6, 1952. Final report on the subject exploration contract was mailed to the Defense Minerals Exploration Administration on October 7, 1952.

Rec'd 10/14/52

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

Copy to E. H. Bailey, USGS

Copy retained 400
George C. Selfridge

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 Bldg.
870 Market St.
San Francisco 2, Calif.

Oct. 7, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Final Inspection Report - Contract Idm-E146
Docket DMEA-1116X - Operator: Andrew J. Lovestedt
Pioneer Tungsten Mine, Douglas County, Nevada

Attached are four copies of final inspection report on subject project, prepared by George H. Holmes, Jr., of the Bureau of Mines, and William P. Irwin and George W. Walker, of the Geological Survey.

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

Attachments

Copy to: Finance Officer, Region III (With copy of report)
E. H. Bailey, USGS ditto

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 13 1952

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

Final Report

Contract Idm-E146

DMEA-1116X, Pioneer Tungsten Mine

Douglas County, Nevada

George H. Holmes, Jr., Mining Engineer
U. S. Bureau of Mines

William P. Irwin, Geologist
George W. Walker, Geologist
U. S. Geological Survey

September 26, 1952

REPORT

FINAL REPORT

Pioneer Tungsten Mine,
Douglas County, Nevada

Docket No.: DMEA-1116X (tungsten)

Operator: Andrew J. Lovestedt, Gardnerville, Nevada

Property: Pioneer Tungsten Mine, 10 miles southeast of Gardnerville, Nevada

Contract: Idm-E146

SUMMARY, CONCLUSIONS, RECOMMENDATIONS

The Pioneer Tungsten Mine near Gardnerville, Douglas County, Nevada, was explored from May 1, 1952 to July 31, 1952 under DMEA contract Idm-E146. Work comprised bulldozing, trenching, test pitting, shaft sinking and drifting. Total cost of the project was $2,850.00.

The tungsten deposit is of the contact metamorphic type and occurs in limestone that has been intruded by sills of light gray felsite. Scheelite is erratically distributed and occurs mainly in the silicated limestone and to a minor extent in the felsite sills. The silicated limestone that contains scheelite is estimated to be of an approximate grade of 0.1 percent WO_3, although several areas that measure a few square feet may contain as much as 2 percent WO_3.

No ore bodies of economic value were discovered by the exploration and the deposit contains no measurable reserve of ore. It is possible that a small tonnage of handsorted ore can be produced from a larger tonnage of the run-of-mines material, similar to the 10 tons produced during exploration, but the likelihood of producing a significant tonnage of such ore is small. Judging from the present exposures,

the prospect appears to be of negligible economic value and further exploration of the deposit is not justified.

It is recommended that:

a. No additional exploration or development is warranted; financed either privately or with Government assistance.

b. DMEA should certify the project as unsuccessful with no significant discovery made; and should not be entitled to royalties from future production.

c. Production is not economically feasible.

DESCRIPTION OF THE WORK COMPLETED

The contract with S. G. Baker and A. J. Lovestedt for a DMEA exploration project was signed on Sept. 15, 1951, with work to begin within 30 days from the date of signing. An amendment to the contract dated Nov. 5, 1951 extended the starting date to within 60 days from the date of the contract but severe winter conditions delayed start of the work. Mr. S. G. Baker withdrew from the partnership on May 6, 1952 and transferred all his interests in the contract to A. J. Lovestedt.

Amendment No. 2 was signed on May 22 which extended the starting date of the contract to May 1 and allowed 90 days for its completion. An Acceptance of Agreement was signed on July 17 by A. J. Lovestedt and the Consent to Assignment was signed by DMEA on July 22.

Work started on May 1 and consisted of trenching and test pitting in favorable areas. Four areas on the Pioneer claim were further explored by using a bulldozer to strip overburden and expose the underlying bedrock (see map). On completion of this work, additional test pitting was done; two short inclined adits were driven and the 32-foot

inclined shaft in the working No. 3 area was extended 6 feet. The project was completed on July 31. A summary of work done is: (see map)

Bulldozing	4 areas - estimated 1,644 cu. yds. removed.
Trenching	200 linear feet.
Test pitting	14 pits - 43 linear feet.
Shaft sinking	6 feet
Inclined adits	65 feet

GEOLOGY AND ORE RESERVES

The Pioneer tungsten deposit is of the contact metamorphic type, and occurs in limestone that has been intruded by sills of light gray felsite. A mantle of alluvium conceals the bedrock between the four areas of shallow bulldozer scrapings that constitute the workings, but it is likely that all of the ore occurs in the same layer of limestone. The layer ranges from a foot to as much as 20 feet in thickness, dips moderately from southeast to southwest, and is intermittently exposed by the workings over a northwest-trending length of about 1500 feet. It is in contact to the south and west with a dark, greenish gray, fine-grained mafic rock that is moderately foliated in places, and to the north and east it is in contact with dark gray schistose grit.

The felsite sills, which range from a foot to about 8 feet in thickness, were seen only in the limestone somewhat nearer to the mafic rock than to the grit. The intruded portion of the limestone layer adjacent to the sills has been highly silicated. The felsite and silicated limestone are difficultly distinguishable in the poor exposures, and in most of the mapped area they have not been differ-

entiated for the purpose of showing the distribution of the zone of tungsten-bearing rock. Much of the limestone near the grit, however, is easily differentiated, as it shows no megascopic evidence of silication and is dark bluish-gray in color in contrast to the light colored silicated limestone.

Scheelite, the only tungsten-bearing mineral that was seen, fluoresces pale yellow in color under ultra-violet light. Most of it occurs as small grains distributed erratically in the silicated limestone near the felsite sills; some of it, however, is concentrated in paper thin zones along joint planes that crosscut the bedding of the silicated limestone.

In working No. 1 scheelite was seen only at exposure A (see geologic map). There, small grains of scheelite are scattered over an area of 2 square feet in the silicated limestone, and the rock is estimated to lamp about 0.1 percent WO_3.

In working No. 2 the principal showing of scheelite is over a poorly exposed area midway between the two short inclines. Over this area of 10 by 30 feet the rock is estimated to contain an average of 0.15 percent WO_3. The northern incline is in a jumbled mass of limestone, silicated limestone, and felsite. Some of the blocks of silicated limestone lamp as much as 0.2 percent WO_3, but the mass as a whole lamps far less than 0.1 percent WO_3. The southern incline is mainly in a felsite sill that is 4 feet thick, and it only exposes a few grains of scheelite. At other widely spaced places in the working a few small patches of scheelite grains were seen but none are of significant concentration or size.

Scheelite occurs in the silicated limestone exposed in workings No. 3 and No. 4 in small widely-spaced concentrations that in places lamp as high as 2 percent WO_3 over an area of several square feet. As an average, however, the scheelite-bearing limestone lamps between 0.1 and 0.2 percent WO_3, for most of the silicated limestone is virtually barren. The largest exposed shoot of scheelite-bearing limestone is at exposure B in working No. 3 (see geologic map). There the rock is estimated to contain an average of about 0.2 percent WO_3 for an average width of 3 feet and a length of 50 feet along the strike of the limestone layer.

In summary, the scheelite in the Pioneer deposit occurs mainly in the silicated limestone and to a minor extent in the felsite sills. Most of the silicated limestone appears to be barren of scheelite. The silicated limestone that contains scheelite is estimated to be of an approximate average grade of 0.1 percent WO_3, although several areas that measure a few square feet may contain as much as 2 percent WO_3.

The deposit contains no measurable reserve of ore. It is possible that a small tonnage of handsorted ore can be produced from a large tonnage of run-of-mine material, but the likelihood of producing a significant tonnage of such ore is small. Judging from the present exposures the prospect appears to be of negligible economic value, and further exploration of the deposit is not justified.

EXPENDITURES

a. Total approved: $2,855.00.
b. Total cost of project: $2,850.00.
c. Government's share of cost: $2,137.50.
d. Government's share unexpended: $3.75
e. Value of production during operations and Government's royalty:

During exploration of working No. 3 about 150 tons of low-grade material, which lamping estimated to vary from 0.1 to 0.2 percent WO_3, was bulldozed into a stockpile. Subsequent handsorting of this stockpile resulted in a higher grade product, and at the last inspection about 10 tons of ore had been sorted from which a grab sample assayed 1.36 percent Wo_3.

Assuming an 80 percent recovery at the nearby Alpine mill of the Metallurgical Development Company, Gardnerville, Nev., the 10 tons which contain 13.60 units WO_3 will yield 10.88 units WO_3 with a value of $685.44. A hauling charge of $2.00 per ton and a milling charge of $12.00 per ton would reduce net returns to $545.44. The Government's royalty on this production would be $27.27.

EFFICIENCY OF OPERATIONS AND COMPETENCY OF OPERATOR

Much of the trenching and test pitting was done with use of hand tools which made for slow progress. A compressor and jackhammer were rented and this phase of the work proceeded at a much faster rate. Bulldozing was done under contract and four areas were stripped during the 32-hours of operation. The work was done efficiently under competent supervision of the operator.

EQUIPMENT PURCHASED FOR PROJECT.

None.

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 Bldg.
870 Market St.
San Francisco 2, Calif.

October 6, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Operators' Monthly Progress Reports - Forms MT-104 & 104A

Enclosed herewith are two copies of each of the subject reports received from the following operators as listed below. These reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report dated.	Period covered
Idm-E146 DMA-1116X	A. J. Lovestedt	Sept. 4, '52	June 1952
"	"	Aug. 1, '52	July 1952
Idm-E302 DMEA-1948	United Minerals Corp.	Sept. 2, '52	July 1952
"	" " "	Sept. 14, '52	August 1952
Idm-E322 DMEA-1949	Geo. W. Snyder & Geo. W. Snyder, Jr.	Sept. 2, '52	July 1952
"	" " "	Sept. 15, '52	August 1952
Idm-E331 DMEA-2495	R.E.Fitzgerald (Copper Mill)	Sept. 17, '52	August 1952

H. C. MILLER

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

Attachments

Copy to: E. H. Bailey, USGS

FILE COPY
SURNAME:

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

Rutledge
Selfridge
See

OCT 6 1952

Mr. K. O. Miller
Executive Officer, Region III
1512 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. EMA 1116X - Tungsten
A. J. Lovestedt
Pioneer Mine
Douglas, Nevada
Exploration Contract Idn. 2146

Dear Mr. Miller:

The subject contract was to expire August 1, 1952. To date, we have neither received an amendment extending the contract nor a report stating that the exploration project was completed.

It would be appreciated if you would advise us if the contract has been extended or if the work has been completed, when we may expect the final report.

10-6-52

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee

FARutledge'lm
10/2/52

Approved:

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

A. R. Kukel, Jr. (B. H.)
Member, Geological Survey

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
1012 Flood Building
San Francisco 2, California

October 3, 1952

Mr. Jay L. Chambers, Chief
Contract Administration and
Audit Division
Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

RE: Docket No. DMA-1116X
Contract No. Idm-W1,6
A. J. Levestedt
Gardnerville, Nevada

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 7 1952

Dear Mr. Chambers:

An examination has been made of subject contractor's Monthly Reports (Form MF-104) and supporting documents for the period May 1, 1952 through July 31, 1952, and you will find attached hereto three (3) copies of Report of Review for further distribution by your office.

This is a final audit made in accordance with DMEA Circular 19, Supplement No. 3, Article 4.

Sincerely yours,

"(SIGNED) [illegible]"

Auditor

Enclosure

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 Bldg.
870 Market St.
San Francisco 2, Calif.

August 11, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Operator's Monthly Progress Report - Forms MF-104 & 104A

Enclosed herewith are two copies each of the subject reports received from the following operators as listed below. These reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report dated	Period covered
Idm-E146 DMEA-1116X	A.J.Lovestedt (Pioneer Tungsten Mine) (Also copy of letter to operator, dated Aug. 11, 1952, by L. L. Morvell.)	July 1, '52	June 1952
Idm-E302 DMEA-1948	United Minerals Corp. (With G.G.Gentry's inspection report of July 7, 1952)	June 14, '52	May 1952
"	United Minerals Corp.	Aug. 1, '52	June 1952

H. C. MILLER

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

Attachments

Copy to: E. H. Bailey, USGS

FILE COPY
SURNAME:

200

Adams

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

JUL 31 1952

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

Dear Mr. Miller:

There are enclosed herewith the Finance Office's copies of Consent to Assignment and Acceptance of Assignment of Exploration Project Contract Idm-E146, Docket No. DMEA 1116, A. J. Lovestedt.

Ordinarily these copies of Consent and Acceptance of Assignment of contract would be transmitted by the Bureau of Mines Fiscal Office, however, in accordance with Operating Committee Memorandum No. 10, 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 Operating Committee Memorandum covering this change will be issued shortly.

Sincerely yours,

C. O. Mittendorf (for)

Acting Administrator
Defense Minerals Exploration
Administration

Enclosures

REAdams/meb
7-30-52
cc to: Adm. Reading File
Mails & Files Br.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 28 1952

400

Office of
Executive Officer
DMEA Field Team
Region III

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

July 23, 1952

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 DMA 1116X (Tungsten), Exploration Project Contract Idm-E146

In accordance with your letter to me, dated July 8, I have obtained Mr. Lovestedt's signature to his "Acceptance of Assignment," dated July 17, 1952, of which he retained one copy; and today I am sending him a copy of our "Consent to Assignment," dated July 22, 1952.

One copy of each document is being sent to our Field Engineers at Reno for their files and the remaining four copies of each document are attached herewith. We shall expect the Finance Office's copies from you shortly.

I note from your letter that the way in which I handled this assignment was not proper and I am sorry to have put your office to a lot of extra work. I did, however, do exactly as Mr. Hofflund told me to do at the time I took the matter up with him personally in the Washington Office. I followed Mr. Hofflund's instructions to get a statement from Mr. Baker, transferring and assigning his right, title and interest under the contract to Mr. Lovestedt, but was not told about the other documents that had to be executed.

H. C. MILLER

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 28 1952

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 23, 1952

Mr. A. J. Lovestedt
c/o General Delivery
Gardnerville, Nevada

Re: Docket DMA-1116X (Tungsten)
Exploration Project Contract
Idm-E146

Dear Mr. Lovestedt:

Many thanks for the prompt return of the copies of the "Acceptance of Assignment," which you signed on July 17, 1952.

Herewith is being sent your copy of the Government's "Consent to Assignment," dated July 22, 1952.

Sincerely yours,

H. C. MILLER

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

Enclosure

Copy to DMEA, Interior Building, Washington 25, D. C.
E. H. Bailey, USGS

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 16, 1952

Mr. A. J. Lovestedt
c/o General Delivery
Gardnerville, Nevada

RE: Docket DMA-1116X (Tungsten)
Exploration Project Contract
Idm-E146

Dear Mr. Lovestedt:

Our Washington Office has called my attention to my failure to get from you an "Acceptance of Assignment," following Mr. Baker's transfer and assignment of his interest under Contract Idm-E146 to you on May 6, 1952.

Will you, therefore, kindly sign and date all seven copies of the attached Acceptance of Assignment and return the original and five copies to me.

I trust that all is going well with you.

Very truly yours,

H. C. MILLER

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

Enclosure

Copy to DMEA, Interior Building, Washington 25, D. C.
E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 21 1952

DEPARTMENT OF THE INTERIOR
Business Affairs Administration
RECEIVED
JUL 21 1952

140

FILE COPY
SURNAME:

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

Arizona
Hotelund
Selfridge

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

JUL 8 - 1952

Subject: S. G. Baker and
A. J. Lovestedt -
Docket No. DMA-1116X
(Idm-H146)

Dear Mr. Miller:

Reference is made (1) to your letter of May 8, 1952, in which you attach the original and three copies of the assignment from S. G. Baker, one of the two members of the Operator partnership, of his interest in the subject contract, to the other partner A. J. Lovestedt, and (2) to Amendment No. 2 of the Contract dated May 22, 1952, extending the starting date of project to May 1, 1952, and making express mention of the aforesaid assignment. Such assignments require the express approval of the Administrator, and Field Teams have no authority to consent to them. Furthermore, such an assignment does not relieve the Assignor of his contract obligations unless the Government's consent thereto is explicit. Since the partnership may have been dissolved by this Assignment, you should endeavor to obtain Mr. Lovestedt's written consent to assume all the contract obligations, on the attached form.

I am enclosing the Government's formal consent to the Assignment and ask you to fill in the proper cut-off date for Government contributions, the date of Mr. Lovestedt's acceptance, and the date of the Government's consent which should be after the date of his acceptance.

Very truly yours,

(signed) FRANK E. JOHNSON 7/8/52

Chairman, Operating Committee

Enclosures

Approved:

J. H. Hedges

Member, Bureau of Mines

D. M. Lemmon

Member, Geological Survey

AEKane/ema
7/2/52
Copy to: Mails and Files
Adm. Reading File
Operating Com.
J. H. Hedges
T. P. Thayer
G. C. Selfridge
J. L. Hofflund
A. E. Kane
Chron.
Pending

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
JUN 2 1952

May 26, 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-1116X (Tungsten) - A. J. Lovestedt, Pioneer Mine, Douglas County, Nevada, Exploration Project Contract Idm-E146

Reference is made to your subject letter dated May 16, calling our attention to the need for another amendment to the subject contract extending the starting date of the contract. This contract originally was with Mr. S. G. Baker and Mr. A. J. Lovestedt, but later Mr. Baker withdrew from the partnership and transferred all his interests in the contract to Mr. Lovestedt.

An amendment dated May 22, 1952 extending the starting date to May 1, 1952, has been prepared and the original and three copies are attached herewith duly signed by me as Executive Officer, DMEA, and Mr. A. J. Lovestedt.

One copy of the amendment has been retained by Mr. Lovestedt and the field engineer's copy is being retained by this office. As usual the finance officer's copy is to come from you later.

Mr. Lovestedt reports that the delay in getting started under the contract was due to excessive snow at the property this past winter.

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

Attachment

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

3 85

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 26 1952

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

May 22, 1952

Mr. A. J. Lovestedt
c/o General Delivery
Gardnerville, Nevada

Re: Docket DMA-1116X (Tungsten)
Exploration Project Contract
Idm-E146

Dear Mr. Lovestedt:

A review of our files shows that the subject contract was executed on September 15, 1951, providing a grant for exploration work on the Pioneer Mine in Douglas County, Nevada. The original contract specified that work commence within 30 days and be completed in 6 months, and a subsequent amendment extended these periods to 60 days and 7 months respectively. Therefore, the project should have been entirely completed by April 15, 1952.

In your letter to me, dated April 22, you state that work on the project will start about May 1 and will be completed within 90 days or less. Accordingly, Amendment No. 2 to the subject contract has been prepared, extending the starting date to May 1, 1952.

Six copies of Amendment No. 2 are attached for your signature. After signing this amendment, kindly return the original and four copies to this office; the fifth copy is for your files.

Sincerely yours,

H. C. MILLER

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

Enclosure

Copy to: DMEA, Washington, D. C.
E.H.Bailey, USGS
A.C.Johnson, Reno
L.L.Norvell

FILE COPY
SURNAME:

Hurley
Selfridge

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

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

MAY 16 1952

Re: Docket No. DMA 1116X - Tungsten
A. J. Lovestedt
Pioneer Mine
Douglas County, Nevada
Exploration Project Contract
No. Idm-M146

Dear Mr. Miller:

A review of our files shows that the subject contract was executed on September 15, 1951, providing a grant for exploration work on the Pioneer Mine in Douglas County, Nevada. The original contract specified that work commence within 30 days and be completed in 6 months, and a subsequent amendment extended these periods to 60 days and 7 months respectively. Therefore, the project should have been entirely completed by April 15, 1952. To date, however, we have no report of progress on the job or even any advice that work has been initiated. Our only recent information regarding the matter is the notification that Mr. S. G. Baker withdrew from the original partnership transferring all his interests in the contract to Mr. A. J. Lovestedt.

We presume from your letter of May 8, 1952, accompanying the partner's notice of transfer of interest that the project has not been abandoned, but has been delayed because of the weather or for some other reason. If this is so, we point out that another amendment is required as the period contemplated in the contract has already expired.

We shall appreciate your advice and recommendations regarding this matter.

NJHurley'lm
5/15/52

Sincerely yours,

C. O. Mittendorf (for) 5/16

Acting Administrator
Defense Minerals Exploration
Administration

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
G. C. Selfridge
N. J. Hurley
Operating Committee

1116

IDAHO

BONNER COUNTY

February 1, 1952

Clarinda Copper, Idm-E146, Cu

50-50 of $57,310.00

11 operating months

Exploration is divided into two stages, the second dependent upon success of the first. Stage one calls for 20 bulldozer trenches across the Copper Giant and Lone Pine veins, and the opening and rehabilitating of the Copper Giant and Long Pine adits. Stage two calls for 1,050 feet of crosscutting from the Clarinda adit in order to intersect the downward extensions of the two veins and a total of 500 feet of drifting on the veins.

Most of the Phase I work, except bulldozing, has been completed. One vein is barrent and only a single short and narrow ore shoot is present in the second vein. Results to date are not encouraging.

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

Office of
Executive Officer
DMA Field Team
Region III

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

November 5, 1951

Messrs. S. G. Baker and A. J. Lovestedt
Baker and Company
P. O. Box 2044
Reno, Nevada

Docket DMA-1116X, Tungsten
Exploration Project Contract Idm-E146
S.G.Baker and A.J.Lovestedt, Partnership

Dear Sirs:

I acknowledge your letter dated November 1, informing me that due to unavoidable delay in getting started on your above-captioned exploration project contract, you will not be ready to start work until about November 10, 1951.

Accordingly, Article 3 of your contract is hereby amended to read:

"The operator, within sixty (60) days from the date of this contract, shall commence work on a project of exploration for 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 seven (7) months from the date of this contract. The exploration project and the work to be performed are more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract."

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the cost which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

Sincerely yours,

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

Copy to: C. O. Mittendorf, DMA, Washington (3 copies)
E. H. Bailey, U.S.G.S.
A. C. Johnson, Reno

FILE COPY
SURNAME:

410

Mittendorf

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

OCT 1 5

G.E.C.

Contract Service Section
General Accounting Office
4th Floor - New GAO Building
Washington 25, D. C.

Re: Docket DMA - 1116I
S.G. Baker and A. J. Lonsstedt Partnership
Exploration Project Contract I-dm-R146

Gentlemen:

Enclosed for recording in your office is the original, signed copy of an Exploration Project Contract executed between the Operator named in the above reference and the Government of the United States.

Sincerely yours,

C. O. Mittendorf (J.W.) 10/12

C. O. Mittendorf, Director
Production Expansion Division

Enclosure

JWAlt/meb
10/8/51
cc to: Admr's Reading Files
Reports and Records
Messrs.Mittendorf/Olund
Mr. Alt
Docket

Mr. Ast

UNITED STATES
DEPARTMENT OF THE INTERIOR

~~BUREAU OF MINES~~

~~REGION III~~

DEFENSE MINERALS ADMINISTRATION

DEPARTMENT OF THE INTERIOR
RECEIVED
OCT 8 1951
Defense Minerals Administration,
Production Expansion Division.

OFFICE OF
~~REGIONAL DIRECTOR~~
Executive Officer
DMA Field Team
Region III

1012 FLOOD BUILDING
870 MARKET STREET
SAN FRANCISCO 2, CALIFORNIA

October 5, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 8 1951

Air Mail

Memorandum

To: C. O. Mittendorf, Director, Production Expansion Division, DMA, Washington 25, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Docket DMA-1116X, Tungsten
Exploration Project Contract Idm-E146
S. G. Baker and A. J. Lovestedt, Partnership
Reno, Nevada

Reference is to your subject memorandum dated September 19.

Attached are four copies of the contract for the subject Exploration Project Idm-E146, signed by the applicants without any changes in the contents. The applicants have kept one copy, and this office has retained the field engineer's copy. The Regional finance office will expect to receive its copy shortly from the Washington finance section.

R. B. Maurer, Acting for
H. C. Miller, Executive Officer,
DMA Field Team, Region III

Attachment

Copy to: E. H. Bailey, U.S.G.S.

OFFICIAL FILE COPY

To	Init.	Date
400	A. E.C.	10-8-51
210		

FILE COPY
SURNAME:

Mittendorf

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

SEP 19 1951

a/E.e-

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

Re: Docket No. DMA 1116X
S.G.Baker and A.J.Lovestedt,Partnership
Exploration Project Contract Idm-E146

Dear Mr. Miller:

We are enclosing the original and five copies of the above-referenced Exploration Project Contract, signed by me, together with Exhibit "A" and one map.

If the terms and conditions of this contract are approved by the Operators, all six copies should be signed by a duly authorized official of the company, one copy should be given to the Operators, one copy retained by your office and the original and three copies returned to this office. If any part of this contract does not have the approval of the Operators, the original and all copies of the contract are to be returned to this office together with the proposed changes for consideration.

Sincerely yours,

C. O. Mittendorf (J.K.)

C. O. Mittendorf, Director
Production Expansion Division

JF 9/19

Enclosures

APPROVED:

Tom Lyon
Chairman, Coordinating Committee

Lowell R. Moon
Member, Geological Survey

Lowell R. Moon

Member, Bureau of Mines

JWAlt/meb
9/12/51
cc to: Admr's Reading Files
Reports and Records
Messrs.Mittendorf/Olund
Holderer
Geehan
Thayer
Alt
Docket

FILE COPY
SUBNAME: 140

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

August 30, 1951

Memorandum

To: Director, Production Expansion Division

From: General Counsel

Subject: DMA-1116X, Baker and Lovestedt

I am unable to approve the subject contract for the following reasons:

1. In Exhibit "A" is an item entitled "Rental of Operator's Equipment - $125.00." This item is further detailed under the title "Operating Equipment" under a subtitle "To be rented to project by Operator."

The item "Operating Equipment" in Exhibit "A" is presumably intended to comply with the requirements of Article 6 of the contract form which provides for "any operating equipment to be rented, purchased, or furnished by the Operator ..." It follows that the subitem in Exhibit "A" entitled "To be rented to project by Operator" should be entitled "To be furnished by the Operator," and the monthly allowance, in conformance with the provisions of Article 6 of the contract form, should be expressed in terms of "depreciation."

This is a small contract and it may seem like a small matter, but the significance of the expression "rented to project by Operator" is very different from "furnished by the Operator" as required by Article 6 of the contract form. It might raise an inference that the Government is a partner with the Operator in the exploration project, is renting the Operator's equipment for use on the project, and is responsible for what happens to it during such use. In a large contract this might be very significant.

I suggest that you supply members of your staff with a copy of this memorandum for reference in making their exhibits in connection with other contracts.

2. Please note that the description of the exploration project in Exhibit "A" is somewhat garbled, probably by leaving out necessary punctuation. The language used is: "bulldozing the cleaning out."

J. L. Hofflund

J. L. Hofflund
General Counsel

Attachment

CJKoontz/em

Copy to: Reports & Records
R. R. Guthrie
J. L. Hofflund

340
FILE COPY
SURNAME:

Holderer
Ballard

3624

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

AUG 16 1951

a.e.

Memorandum

To: Francis B. Speaker
Chief, MRO Branch, Requirement Division

Through: Director, Supply Division

From: Tungsten Branch

Subject: DMA-1116X Tungsten
S. O. Baker & A. J. Lovestedt
2402 E. 4th Street
P. O. Box 2044
Reno, Nevada

We are enclosing two copies of NF-100 from the subject applicant for mine serialization.

An exploration project costing $2,300 has been tentatively approved, and the applicant will need priority to buy equipment.

George B. Holderer

George B. Holderer
Chief, Tungsten Branch

Attachments

Approved:

Tom Lyon

Director, Supply Division

TJBallard:bl 8/15/51

CC: Adm. Reading File
Reports & Records Unit
Prod. Exp. Div.
Mr. Holderer
Files

~~6/5/51~~ 8/10/51

Defense Minerals Administration

Review of Application for Exploration Assistance

P.E.D.
For Approval

Docket No. 1116-X

Commodity Tungsten

Total Amount $2,300

75% Govt. Participation $1,725

1. Name and Address of Applicant S. G. Baker & A. J. Lovestedt
2402 E. 4th Street, P.O. Box 2044, Reno, Nevada

2. Location of Property Pine Creek Mining District,
Douglas County, Nevada

3. Mineral or metal Tungsten Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good Good

b) Poor

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project?
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future

productive period?

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? _____

b) MF-202 _____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? No

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

Is a field check needed on this point? No

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? Fairly

If not, are there sufficient data given so that you can describe the project? _____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? Yes.

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is? _____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? Yes-see field report

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data?_____ If so, attach a draft.

e) Are the cost estimates reasonable? Yes

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable? No

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed?_____

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? No

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed?_____

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed?_____

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Applicants proposal is not too well presented; however, this Branch recommends approval of the request based upon the field team report.

Reviewed by: J. J. Mallard

Gordon Holdren

Date 8/10/51

Approved
Jim Lyon

INT.-DUP. SEC., WASH., D.C. 99009

List of File to P. E.D.
DMA-1116X Tungsten

2 - Copies ME-103 with attached answers
1 - letter Miller to Lyon 8/2/51
1 - Copy " Lyon " Miller 8/25/51
1 - " " " " Baker " " "
1 - " " " " " " " "
1 - Copy Field Report by Holmes, U.S.B.M.

UNITED STATES
DEPARTMENT OF THE INTERIOR

~~BUREAU OF MINES~~
~~REGION III~~
DEFENSE MINERALS ADMINISTRATION

~~DIRECTOR~~
~~REGIONAL DIRECTOR~~
Office of
Executive Officer
DMA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 6 1951

~~DISTRICT OFFICE~~
~~630 SANSOME STREET~~
~~SAN FRANCISCO, CALIF.~~
1012 Flood Building
870 Market Street
San Francisco 2, Calif.

August 2, 1951

Memorandum

Gave Lemmon Copy 8/10/51

To: Tom Lyon, Chairman, Coordinating Committee, Defense Minerals Administration, Washington 25, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Docket DMA-1116-X - Tungsten
S. G. Baker and A. J. Lovestedt, Reno, Nevada

Reference is to your subject letter to me, dated May 25, requesting a field appraisal of the subject property.

Attached are four copies of a report "DMA-1116-X, Pioneer Tungsten Mine, Douglas County, Nevada", by George H. Holmes, Jr., Mining Engineer, Bureau of Mines, dated July 30, 1951.

According to the examining engineer's report the work that has been done to date on the Pioneer claims, Pioneer Tungsten Mine, Douglas County, Nevada, indicates existence of some small, disconnected scheelite ore bodies. Enough work has not been done, however, to adequately determine the size and extent of the deposits.

The work performed by the applicant, consisting of a small amount of bulldozing, cleaning out and possible continuance of the 32-foot shaft and several other shallow shafts and pits, and further test pitting on favorable areas exposed by bulldozing for a total extimated cost of $2,000, appears feasible. Such work has a possibility of indicating a substantial tonnage of tungsten ore that can be mined and concentrated at the nearby Alpine Tungsten Mill at a profit.

The costs given in the Holmes' report seem reasonable. They total, however, $2300 in place of $2000, as requested by the applicant. The Field Team believes, however, that the $2300 estimate can be scaled down a bit as it does not seem consistent to pay rental on the equipment for 6 months at $50 a month, when the two miners using the equipment will complete their work in

62-1/2 days. If rental of equipment is paid for, say, 2-1/2 months it would amount to a charge of $125 in place of $300, and bring the estimated cost of the project down to $2125. On the other hand, the applicant has included nothing for power to run the compressor and powder caps and fuse, and probable other small items.

The docket is being returned herewith.

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

Attachment

Copy to: E. H. Bailey (w/o attachment)

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1116X, Pioneer Tungsten Mine

Douglas County, Nev.

George H. Holmes, Jr., Mining Engineer
U. S. Bureau of Mines

July 30, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 6 1951

ON-SITE EXAM. REPORT

DOCKET DMA-1116X

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

PIONEER TUNGSTEN MINE
Douglas County, Nev.

SUMMARY

The Pioneer tungsten mine is in west central Douglas County, Nev., about 11 miles southeast of Gardnerville. During 1943 some exploration was done comprising the sinking of a 32-foot inclined shaft and several test pits, from which a reported 32 tons of sorted ore ranging from 0.4 to 0.5 percent WO_3 was shipped. The property was reactivated in 1951 with additional exploration by bulldozing and the shipment of 45 tons of ore averaging 0.5 percent WO_3 and 7 tons of sorted higher grade ore. Insufficient work has been done to permit an estimate of ore reserves.

Northeasterly striking limestones have been intruded by quartz-monzonite. Irregular zones of metamorphism occur near the main contact and along stringers of monzonite which extend into the limestone. Narrow discontinuous bands and blossoms of scheelite-bearing tactite are found in favorable areas and occasionally in sufficient volume to form small ore bodies.

The property has merit; it is in a tungsten producing district, and within 2 miles of the Alpine tungsten mill where the milling-grade ore can be beneficiated. The applicants' proposed exploration program to further explore the mineralized zones on the Pioneer claim by bulldozing and test pitting at a cost of $2,000 is feasible and economical, and is recommended for approval.

INTRODUCTION

The Pioneer tungsten mine was examined on July 11 and 17, 1951 by engineers[1] of the Bureau of Mines in connection with an Application for Aid for an Exploration Project.

Three unpatented claims, the Pioneer, Ranger and Emigrant, are in the Tungsten Hills Mining District, sec. 24, T. 12 N., R. 21 E., M.D.B.& M., Douglas County, Nev., about 10 miles southeast of Gardnerville, Nev., a town on U. S. Highway 395 (fig. 1). To reach the property from Gardnerville, travel southeast on U. S. Highway 395 for 2.6 miles; turn left and prodeed 7.6 miles over a graded dirt county road; turn right and travel 0.3 miles over a mine road to the Pioneer claim.

OWNERSHIP

The 3 unpatented claims are owned by a partnership comprising S. G. Baker of 2402 East Fourth Street, Reno, Nev., and A. J. Lovestedt of 218 Vassar Street, Reno, Nev.

HISTORY

The Pioneer claim was located by S. G. Baker during 1943 and some exploration work was done comprising the sinking of a 32-foot inclined shaft and excavating several open cuts and trenches. It is reported that 32 tons of sorted ore was shipped which averaged from 4 to 5 percent WO_3. Work ceased in 1944 with the decline in the price of tungsten.

During 1951, the Pioneer claim was relocated and the Ranger and Emigrant claims located. Some stripping was done by bulldozing to expose mineralized areas near the limestone-monzonite contact and

1/ A. C. Johnson, Chief, Mining Division, Region III, Bureau of Mines. George H. Holmes, Jr., Mining Division, Region III, Bureau of Mines.

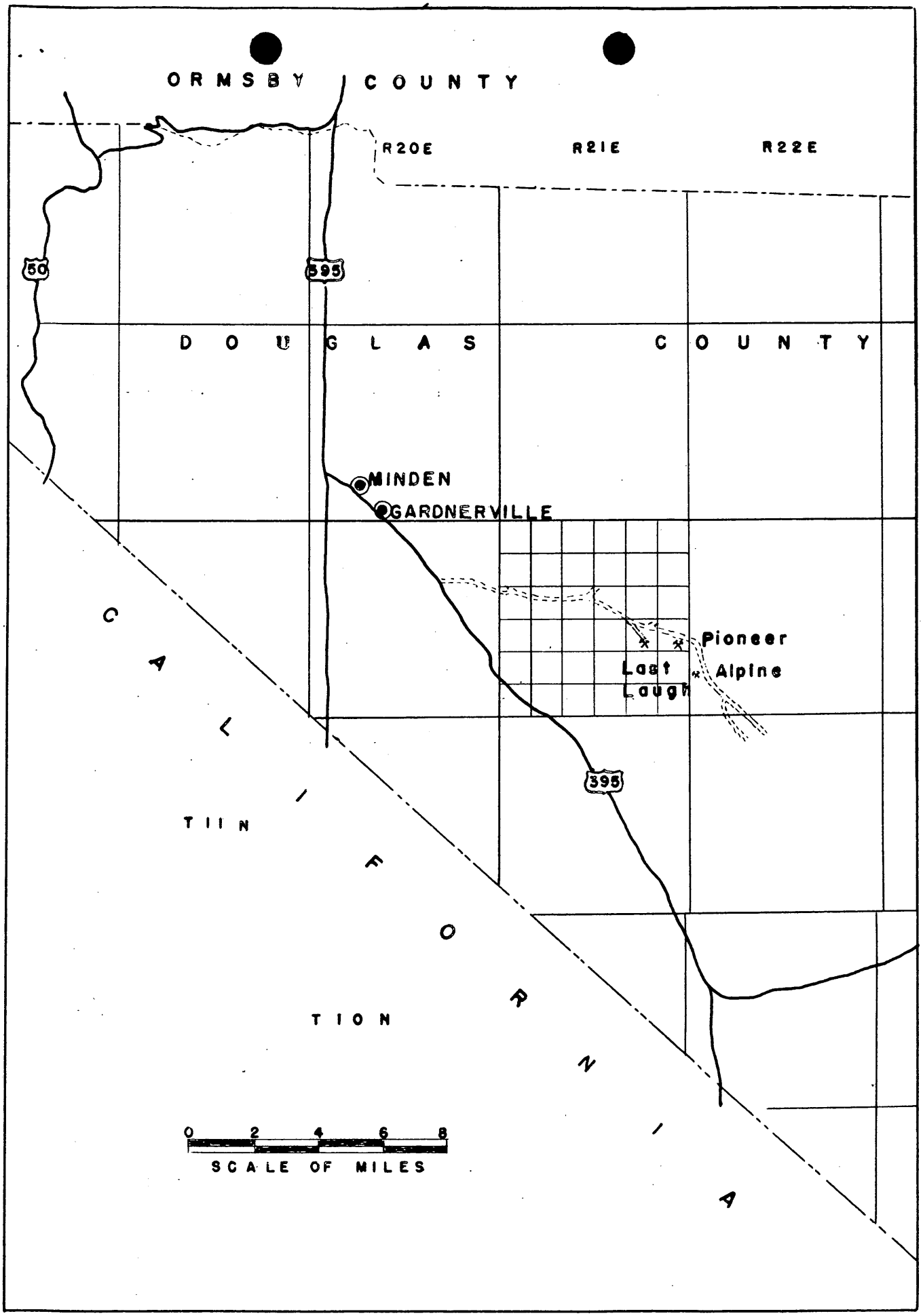


FIG. I LOCATION MAP

several of the more favorable areas were further explored by trenching and test pitting. This work produced 45 tons of ore reported to average 0.5 percent WO_3 which was hauled to the nearby Alpine mill for treatment and 7 tons of sorted higher-grade ore which was trucked to the U. S. Vanadium Co. mill at Bishop, Calif.

PHYSICAL FEATURES

The three claims are located on a low range of hills near the east slope of the Pine Nut range of mountains at an altitude of about 5,600 feet.

A 23 Kv. Sierra Pacific Power Co. transmission line extending from Minden to the Alpine tungsten mill crosses the property. Water for mine use can be obtained from Pine Creek about three-fourths mile to the east.

The climate is temperate with hot, dry summers and moderately cold winters. Precipitation occurs mostly as snow during winter months. Operations, however, can be maintained on a year around basis.

Vegetation consists of sagebrush and pinon pine.

LABOR AND LIVING CONDITIONS

No buildings or structures are on the property; although Mr. Baker states that he owns several house trailers which he plans on moving to the claims for use by his employees.

Mine workers usually live in Gardnerville or Minden and drive to and from work.

GEOLOGY AND ORE DEPOSITS

Formations in the area of the Pioneer mine consist of blue and grey limestones, striking to the northeast and dipping to the south-

east, intruded by quartz-monzonite. Irregular zones of metamorphism comprising tactite and silicified limestone occur near the main contact and along stringers of monzonite extending into the limestones. Narrow discontinuous stringers and blossoms of scheelite-bearing tactite are found in favorable areas and occasionally in sufficient volume to form small ore bodies.

Several of these small ore bodies have been explored to various widths and depths. A 32-foot inclined shaft was sunk on one deposit which produced a reported 14 tons of sorted high-grade ore. Bulldozer cuts have exposed mineralized areas in several places on the Pioneer claim and shallow test pits have been excavated on them (fig. 2). However, insufficient work has been done to determine the lateral and downward extent of the scheelite-bearing ore bodies and to estimate possible ore reserves.

Four samples taken from workings on the Pioneer claim gave the following analyses:

Sample No.	Width, feet	Percent WO_3	Location
88	0.25	0.43	Bottom, inclined shaft
89	5.0	0.35	Trench, south face
90	0.25	2.78	Open pit
91	1.0	0.57	Bulldozer cut

PROPOSED EXPLORATION

The record of the district shows spasmodic production from various properties (Alpine, Last Laugh, Divide, Pioneer) obtained from comparatively small ore bodies occurring near the monzonite-limestone contacts. Discovery of large deposits is not anticipated but it is believed a number of small deposits exist which, when developed, would yield a moderate tonnage of milling-grade ore.

Ore from the property would be hauled 2 miles southeast to the Alpine tungsten mill for concentration. Charges are $12 per ton. Sorted high-grade ore would be trucked to the U. S. Vanadium Co. mill at Bishop, Calif. Mr. Baker stated that should sufficient ore be developed on his and other claims in the district, he would plan the construction of a custom tungsten mill near Gardnerville.

To further explore the mineralized zones on the Pioneer claim the owners propose a small amount of additional bulldozing, the cleaning out and possible continuance of the 32-foot shaft and the several existing shallow shafts or pits, and further test pitting on favorable areas exposed by the bulldozing. It is estimated a maximum period of 6 months would be required for this work to cost $2,000.

REQUIREMENTS AND COSTS

It is impossible to estimate the linear footage of test pitting and shaft sinking that will be required, so it is planned to use two miners on a day's pay basis at a $14.00 daily rate. This method will make for greater flexibility by permitting sufficient work on several mineralized areas to obtain data relative to the grade and extent of mineralization. At $14 per day, 125 man-shifts or 62-1/2 days will be required. Total cost $1,750.

The work will be under the supervision of the applicants but no charge will be made for this service.

Bulldozing will be done under contract and it is estimated this work will cost $250. An RD-8 tractor equipped with bulldozer and including the operator can be rented at an hourly cost of $15. The time requirement is 16-2/3 hours.

The following equipment is owned by the applicants and will be devoted to the work at the designated monthly rental rates:

Ingersoll-Rand Co. rotary drill	$20
90 c.f.m. portable compressor	20
Jackhamer, hose, and drillsteel	10
Total	$50

A summary of costs for testpitting, cleaning out old workings, shaft sinking:

2 miners @ $14 per day - 62½ days	$1,750
Bulldozing @ $15 per hour - 16-2/3 hours .	250
Equipment rental, 6 months @ $50	300

CONCLUSIONS

The Bureau of Mines concludes that:

1. Work on the Pioneer claim indicates existence of small, discontinuous ore bodies of scheelite-bearing tactite. This work has not, however, been adequate to determine the size and extent of the deposits.

2. Geologic evidence indicates the possible existence of additional mineralized zones.

3. The deposits can be worked economically; milling grade ore can be treated at the nearby Alpine mill.

4. The proposed exploration program is feasible and should serve to explore for new ore bodies and to further explore known deposits.

5. The exploration program be recommended.

FILE COPY
SURNAME:

Mallard
Gerhan
Hoover
Lemmon

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

File Sent To

MAY 25 1951

Mr. H. C. Miller, Executive Secretary
DMA Field Team, Region III
1415 Appraisers Building
San Francisco, California

Through: Coordinating Committee
Director, Supply Division

Subject: DMA-1116-X Tungsten, S. G. Baker and A. S. Lovestedt, Reno, Nevada

Dear Mr. Miller:

We are referring the subject application to you for a field appraisal and enclose two copies of forms 100 and 103 submitted by the applicants.

We have no records of the property under its present name, but it appears to be in the vicinity of the Last Laugh, DMA-142.

Very truly yours,

Tom Lyon

Tom Lyon
Chairman, Coordinating Committee

Enclosure

Approved:

Lowell B. Moon

Bureau of Mines

Olaf N. Rove

Geological Survey

TJBallard:ec

CC: Adm. Reading File
Mr. Strobel
Mr. Lyon
Mr. Moon
Regional Field Team Region III
Files

DMA 1116

958

FILE COPY
SURNAME:

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

Ballard
Lyon
Lemmon
Ron
Moon

MAY 25 1951

Mr. S. G. Baker
Mr. A. J. Lovestedt
2402 East 4th Street
Reno, Nevada

In reply please refer to
DMA 1116-X

Gentlemen:

We are referring your application for an exploration loan to Mr. H. C. Miller, Executive Officer, DMA Field Team, Region III, 1415 Appraisers Building, San Francisco, California for a field examination.

It will be helpful if you will advise Mr. Miller of someone who can show the property to this engineers.

Very truly yours,

Tom Lyon
Director, Supply Division

TJBallard:ec

CC: Adm. Reading File
Mr. Strobel
Mr. Lyon
Regional Field Team
Mr. Moon
Mr. Bradley
Files

FILE COPY
SURNAME:

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

May 9, 1951

Mr. S. G. Baker
2402 E. Fourth Street
P. O. Box 2044
Reno, Nevada

Subject: DMA-1116 X
Re: Exploration Loan -
Pioneer Mine

My dear Mr. Baker:

Receipt is acknowledged of your application and attachments of April 26, 1951 for a Government loan under the Defense Production Act of 1950.

The application was assigned Docket Number 1116 X and referred to Mr. P. R. Bradley, Chief, Tungsten Branch, on May 8, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1116 X.

Sincerely yours,

LANDON F. STROBEL a.e.c.

Landon F. Strobel
Executive Secretary

LFSTROBEL:aec
copies to Strobel-2
Files
Mr. Bradley
Mr. Lyon

REGIONAL DIRECTOR

~~LANDON F. S. [illegible]~~
Mr. Bradley
Dma-1116

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
1415 U. S. APPRAISERS BLDG.,
630 SANSOME STREET,
SAN FRANCISCO 11, CALIF.

April 30, 1951

Memorandum

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

From: Executive Officer, DMA Field Team, Region III

Subject: Application of S. G. Baker & A. J. Lovestedt, Reno, Nevada, for exploratory loan for scheelite (tungsten) deposit, Pine Creek Mining District, Douglas County, Nevada

Attached are four sets of Forms MF-103 and MF-100 received today from Mr. S. G. Baker, senior applicant for an exploration loan under the Defense Production Act of 1950.

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

Attachment (Application)

DMA-1116

Baker, S.G. and A. J. Lovestedt
2402 E. 4th St.
P.O. Box 2044
Reno, Nevada

Property - Pine Creek Mining District
Douglas Co., Nevada

Date of appl. 4-26-51 - rec'd 5-8-51

Geologist
4070
Look up last Lady
142
Dayton, Lyon
Nevada
Douglas

BUREAU OF MINES
WASHINGTON, D.C.
MAY 4 2 44 PM '51

April 24, 1951

FILE CONTENTS SENT TO H. C. MILLER

DMA- 1116-X - S. G. Baker
Reno, Nevada

2 copies form 100

2 copies form 103

Application 2 sheets

Sent to Coord. Comm. 5-25-51

Mr. H. C. Miller, Executive Secretary
DMA Field Team, Region III
1415 Appraisers Building
San Francisco, California

Through: Coordinating Committee
Director, Supply Division

Subject: DMA-1116-X Tungsten, S. C. Baker and
A. S. Lovestedt, Reno, Nevada

Dear Mr. Miller:

We are referring the subject application to your for a field appraisal and enclose two copies of forms 100 and 103 submitted by the applicants.

We have no records of the property under its present name, but it appears to be in the vicinity of the Last Laugh, DMA-142.

Very truly yours,

Tom Lyon
Chairman, Coordinating Committee

Enclosure

Approved:

Bureau of Mines

Geological Survey

TJBallard:ec

CC: Adm. Reading File
Mr. Strobel
Mr. Lyon
Mr. Moon
Regional Field Team Region III
Files

DMA-1116x - Tungsten
E-146
Pioneer Mine
Douglas Co., Nevada
Loan - $2,855.00
75% = 2,141.25

Assignment - 5/6/52 to
A. J. Lorentzen.

Contract:
Dated - 9/15/51
Start - 30 days; 60 days; by 5/1/52 (Amend. 1+2)
Run - 6 mos; 7 mos; 3 mos after 5/1/52 (" " ")
End - 3/15/52; 4/15/52; 8/1/52 (Amend. #1+2)

Amend.
#1, 11/5/52 - To start in 60 days. & run 7 mos.
#2, 5/22/52 - Start by 5/1/52 & run 90 days after 5/1/52.

DMA-1116x - E 146, Amend. #1, 2,

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

January 24, 1951

Mr. T. L. Baker
P. O. Box 463
Decatur, Alabama

Dear Sir:

Your letter of January 8, 1951, addressed to the Defense Minerals Administrator, has been referred to this office for attention. I am giving you herewith the information you requested on cobalt.

If all needed cobalt were forthcoming, you ask, how much metal could be used by defense and private industry? Before controls were placed on use of cobalt the total consumption in the United States for the third quarter of 1950 was approximately 2,125,000 pounds.

The amount of ore required to produce a ton of cobalt metal varies, of course, with the richness of the ore, which runs generally less than one percent cobalt content. For ore of that grade it would take more than 100 tons of ore to yield one ton of metal.

The present price of cobalt metal is $2.10 per pound, in 550 pound lots, f.o.b. New York. It is impossible to give you the price of ore at the mines without knowing the freight rates to the smelter which buys cobalt ore. For example, the Deloro Smelting & Refining Co. at Deloro, Ontario, Canada buys cobalt ore paying 6 cents per unit per pound of cobalt content plus 2½ cents per pound, which is equivalent to 26 cents per pound for cobalt in a one percent ore. If any sustained and substantial quantity of ore were produced in your state it would probably require concentration to improve the grade and a special arrangement or contract with a refinery or smelter to sell the concentrates.

For further information I am enclosing a reprint from the 1949 Minerals Yearbook on cobalt.

If you have in mind any specific deposit of cobalt of possible value I suggest that you consult the Regional Office of the Bureau of Mines at Norris, Tennessee, Mr. Merritt Wilson, Regional Director.

Very truly yours,

H. W. DAVIS
Ferrous Metals & Alloys Branch

HWDavis:ms

Copy to: Ferrous Metals
H. W. Davis
Field
S. E. Williston
Strobel
Files

Enclosure: 1

T. L. BAKER

Farm, Timber, and Mineral Lands

PHONE 780 P. O. BOX 463

DECATUR, ALABAMA

Jan. 8-1951

Mr. James Boyd,
Defense Minerals Administrator
Washington, D. C.

Dear Sir,

Having noticed that "Cobalt" is a scarce mineral, we are writing to ask if you can give us some information in regard to the amount of Cobalt ore that would be used by [illegible] to the United States if they [illegible] the [illegible] required annum.

What amount of the ore, before pluping is required to produce a ton of the metal; and what is the market price per ton for it for the metal, also the ore fresh from the mines?

Thanking you for the desired information ~~direct~~ and to [illegible] literature you may be able to send us on the subject.

Very truly yours,

T. L. Baker,

P. O. Box 463,

1-15-51
Ridgway for reply.

TRENCHING & PITTING $1,750.00
BULLDOZING TRENCHES 480.00
ALLOWANCE ON EQUIPMENT 125.00
SUPPLIES. 500.00
$2,855.00

PROJECT No. DMA 1116 X S.G. BAKER & A.J. LOVESTED
TRANSFERRED to A.J. LOVESTED

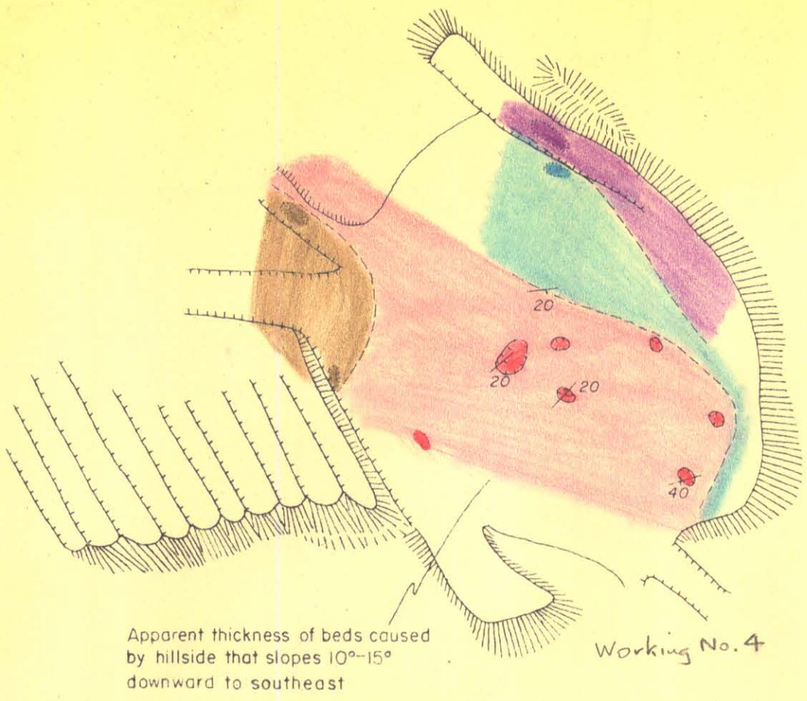
CONTRACT SEPT. 15, 51
AMENDED NOV. 5, 1951
" MAY 22, 1952
$2,855.00 GOVT. 75%

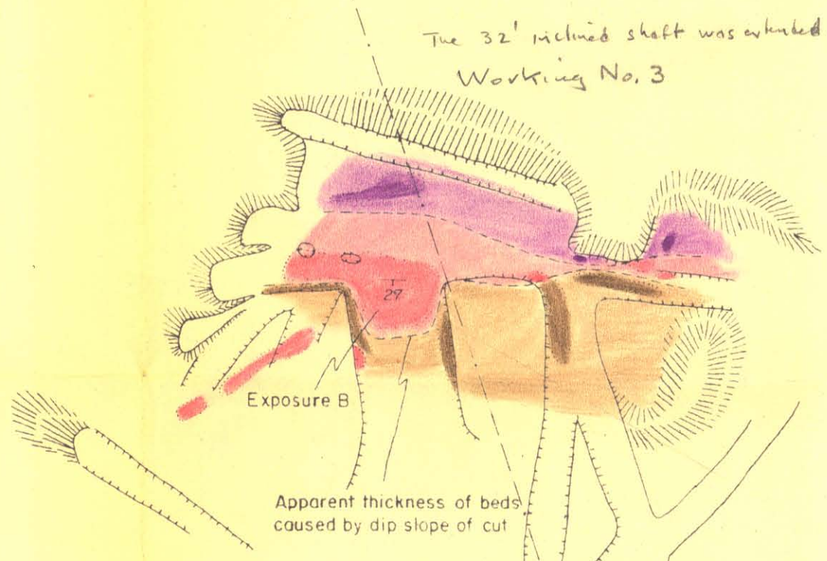
MONTHLY RESUME OF PERFORMANCE

MONTH		FT. ADVANCE MONTHLY	FT. ADVANCE TO DATE	COST	COST TO DATE	WAGES	EQUIPMENT	SUPPLIES	OTHER	
MAY 1952	HAND TRENCHING, 4'-DEEP, 40' LONG, 1' WIDE		40	16200	16200	11200			5000	18 Cu. YDS. MIXED 3 TONS ORE 1-2% WO3
JUNE 1952	/									
MAY 1952	TEST PITS,	19	19	32742	32742	23800			8942	19 Cu. YDS.
JUNE 1952	" "	50	69			70000	5000		13451	
JUNE 1952	BULLDOZING OVERBURDEN			48000	48000					CONTRACT 48000

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

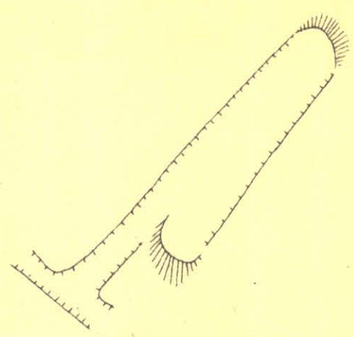
DMA 1116
(TUNGSTEN)

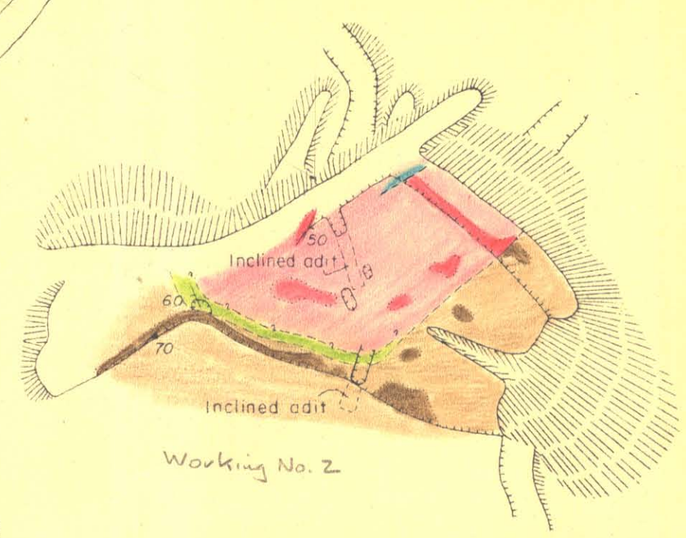




The 32' inclined shaft was extended 6' - The collar of the shaft was near the the 27 symbol marked Exposure B
The axis ran S. 24° W. and the dip was 27°
- Based on Fig. 2 of Holmes' report of July 30, 1952
WSM

N





Elevated power line

EXPLANATION

Light-gray felsite sill

Undifferentiated felsite and silicated limestone

Fine-grained mafic rock

Dark bluish-gray limestone

Dark-gray, schistose grit

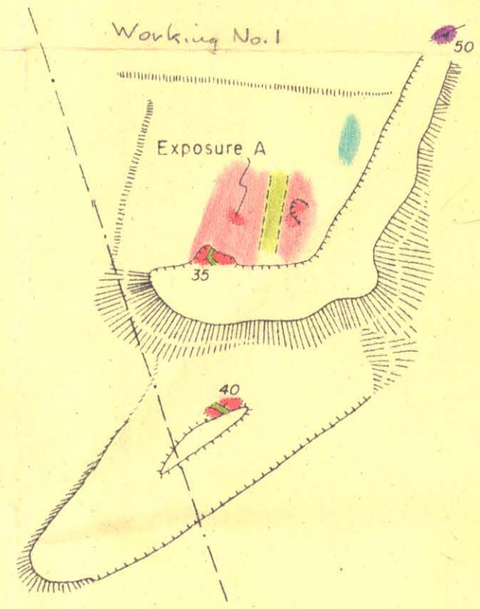
40
Contact, showing dip
(Dashed where approximately located)

60
Strike and dip of beds

50
Strike and dip of foliation

Open cut

Dump



Outline of workings modified after USBM
Geology by W. P. Irwin, August 1952

60 0 60 120 FEET

PIONEER TUNGSTEN PROSPECT, DOUGLAS COUNTY, NEVADA