UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated ~~(or cancelled)~~ without certification. DMEA No. 1499X

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

Left Side

Certificate of Audit (Final).

Interim Audit(s).

✓ Report of Review.

✓ Closing letter

✓ Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

✓ Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

Owner's Consent to Lien.

Subordination Agreement.

Leases and assignments of leases.

✓ Application and attachments.

Schedule of Collections.

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

Right Side

✓ Project summary.

✓ Work completed analysis.

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

✓ Final Field Team Report. (Tab)

Operator's Final Report.

✓ Interim Reports.

✓ On-site Exam Report(s). (Tab)

Settlement Sheets.

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

Maps in folder number _____

Operator's Monthly Reports in folder number _____

wb
Reviewer's Initials

✓ 7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Report of:

Chief Joseph Mines, Inc.
Room 325, Powell Building
Coeur d'Alene, Idaho

pertaining to Exploration Project Contract No. Idm-E297 and Amendments Nos. 1 and 2, Docket No. 1499X, for the month of July 1952 inclusive, first and final report, covering a project for the exploration of tungsten.

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

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

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

The Monthly Report was supported by documentary proof of the costs incurred under the contract.

The major portion ($700.00) of the cost covered bulldozing at rates specified in the contract.

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

Total cost as billed by contractor	$1,100.00
Exceptions: None	
Total accepted cost	$1,100.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Eight hundred twenty five and 00/100 Dollars

$825.00

is considered valid and proper.

March 5, 1953

Robert M. Hull

Robert M. Hull, Auditor

400

FILE COPY
SURNAME:

Rutledge
Martin
Chandler

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

AUG 14 1953

Mr. James Wayne
Chief Joseph Mines, Inc.
Room 325, Powell Building
Coeur d'Alene, Idaho

Re: Docket No. DMA 1499X - Tungsten
Chief Joseph Mines, Inc.
M. & F. mine
Boundary County, Idaho
Exploration Contract No. Idm-E297

Dear Mr. Wayne:

This is with reference to the subject exploration project contract between Chief Joseph Mines, Inc., and the Government.

The final audit of the contract expenditures and the final Field Team report have been received and accepted by this Administration. Inasmuch as the Operator's final report would be of little value, it is being waived. Of the total amount of $7,440.00 approved under the contract, the sum of $1,100.00 was expended, 75 percent of which, or $825.00, represented the Government's share. There were no unused supplies, material, or equipment to be disposed of for the joint account of the Operator and the Government.

The work under the contract was not carried out in a satisfactory manner, was improperly located, and produced negative results. Therefore the contract was terminated on February 10, 1953, as "In the opinion of the Government, operations up to the time of this notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified."

Because the results of the work completed under the contract were unfavorable, it is not our intention to make a certification of discovery or development which would create a lien against the project property. We are, therefore, closing our books and records with respect to this project. Your attention

is called, however, to Article 7(d) of the contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract."

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

CC: DOCKET
FIELD TEAM, REG. II
CODE 400
ADM. READING FILE
MARY MILLER, USGS
R. W. GEEHAN, USBM
CODE 800

FARutledge/ls
8/13/53

HHR
8-14-53

Government Copy
Springer

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

To: James W. Wayne

Chief Joseph Mines, Inc.

Room 325, Powell Building
Coeur d'Alene, Idaho

Operator under Exploration Project Contract I-dm-E 297, Docket No. DMEA- 1499X, dated April 21, 1952.

Office
2/26/53
Hoffman

The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, under the terms of the above-mentioned contract, hereby terminated the contract on the following grounds: 1/

(a) ~~Your failure to provide your share of the money necessary to prosecute operations pursuant to the terms of the contract.~~

(b) ~~In the opinion of the Government, you have failed to prosecute operations pursuant to the terms of the contract.~~

(c) In the opinion of the Government, operations up to the time of this notice have not indicated the porbability of making any worthwhile discovery and in the opinion of the Government further operations are not justified.

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

Any work prosecuted or costs incurred by you after the receipt of this notice shall be for your sole account, except for (a) such necessary and reasonable costs and expenses as may be incurred in preserving and disposing of any facilities, buildings, fixtures,

---

1/ Strike out any grounds not applicable.

equipment, or other items, to the cost of which the Government has contributed and in which the Government has an equity, and (b) the costs of any reports, accounts, and winding-up and settlement actions provided for in the contract.

Dated this 10th day of February, 1953.

UNITED STATES OF AMERICA

By A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Government Copy
DMEA-1499
Tungsten

(Amendment to Change Starting and Completion Dates)

AMENDMENT NO. 2

It is agreed this 6th day of August 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Chief Joseph Mines, Inc., Room 325 Powell Building, Coeur d'Alene, Idaho. C. A. Heinrich, President.

each acting in consideration of the agreement to the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E297 of April 21, 1952 between the parties hereto be modified and amended to change the starting date from (See Amendment No. 1) to within _____ No. of day _____ No. of days of the date of the contract and the completion period from 3 months to 7 months from the date of the contract. The effective date of this amendment shall be June 15, 1952.

This amendment is made by authority granted the Executive Office, DMA Field Team, Region II in Order No. 2684 by the Acting Secretary of the Interior.

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

Executed in sextuplicate the day and year first above written.

Chief Joseph Mines, Inc.
(Operator)
By C A Heinrich

The United States of America
By Glen A Reed
~~XXXXXXXXXXXXXX~~, Exec. Officer
for DMEA Field Team, Region II
M. E. Volin, Acting

GOVERNMENT COPY

AMENDMENT NO. 1

It is agreed this 15 day of June 1952, between the the United States of America, acting through the Department of the Interior, Defense Minerals Administration and Chief Joseph Mines, Inc., Room 325, Powell Building, Coeur d'Alene, Idaho

each acting in consideration of the agreement of the other to the terms hereinafter set forth, that the Exploration Project Contract Idm-E297 of April 21, 1952 between the parties hereto be modified and amended as described in Exhibit F, attached hereto, which, with any maps or drawings attached thereto, is made a part of this agreement. The effective date of this amendment shall be June 15, 1952.

This amendment is made by authority granted the Executive Office, DMA Field Team, Region II in Order No. 2684 by the Acting Secretary of the Interior.

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

Executed in sextuplicate the day and year first above written.

Chief Joseph Mines, Inc.
(Operator)

By C. A. Heinrich
PRESIDENT

The United States of America

By A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
DMEA Field Team, Region II

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUL 22 1952

Chief Joseph Mines, Inc.

Exploration Project Contract Idm-E297

Amendment No. 1

EXHIBIT "F"

Changes and Modifications

In paragraph 3 of the Exploration Project Contract, change the starting date of the contract from within 30 days of the date of the contract (April 21, 1952) to within 30 days of June 15, 1952.

This change in the starting date has been brought about because of the difficulty in obtaining equipment.

CHIEF JOSEPH MINES, INC.
ROOM [redacted]-21, POWELL BLDG.
COEUR D'ALENE, IDAHO

September 15, 1952

TO WHOM IT MAY CONCERN:

This is to certify that Mr. E. V. Boughton, jr., is authorized to act as Agent, and to sign all reports, proposals, etc., in behalf of this Corporation for the fullfilment of our contract no. IDM-E 279 with the Defense Minerals Exploration Administration of the United States Department of the Interior.

CHIEF JOSEPH MINES, INC.

BY Charles A. Heinrich
Charles A. Heinrich, Pres.

Paul Sturmer
Paul W. Sturmer, Secretary.

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

RECEIVED
APR 24 1952
U.S.G.S.
SPOKANE, WASH.

DOCKET NO. [redacted] - 1499X

COMMODITY Tungsten
Idm-E297

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

GOVERNMENT'S COPY

RECEIVED
APR 24 1952
U.S.G.S.
SPOKANE, WASH.

EXPLORATION PROJECT CONTRACT[1]

IT IS AGREED this 21st day of April, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Chief Joseph Mines, Inc., a corporation formed and existing under the laws of the State of Idaho, and whose address is Room 325, Powell Building, Coeur d'Alene, Idaho.

hereinafter called the "Operator," as follows:

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Idaho, County of Boundary, described as follows:[3]

Chief Joseph Claim No. 1 in Sec. 13; T64N; R1E; B.M.

the Operator represents and undertakes:[4]

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

None

(*b*) ~~That the Operator is a lessee, 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~~

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

ARTICLE 3. *Exploration project.*—The Operator, within thirty (30) days from the date of this contract shall commence work on a project of exploration for[5] Tungsten in or upon the described land; and shall bring the project to completion within a period of three (3) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided.

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

(*b*) *Independent contracts.*—Any independent contract for the performance of work shall be on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved), or on some basis that will indicate the amount due for work performed at any stage of the work to be performed under such independent contract. The Government shall not be nor be considered to be a party to any such independent contract, and the Government's right to terminate the exploration project contract under any of its provisions shall not in any manner be affected by reason of any such independent contract. If the reference in Exhibit "A" to any such independent contract states that the Government's approval thereof is required, the Government may refuse to participate in the cost thereof unless and until it has given its written approval of the independent contract.

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

ARTICLE 5. *Estimated costs of the project.*—A statement of the estimated cost of the project is set forth in Exhibit "A," attached hereto. Except insofar as any item of requirement or the estimated cost thereof set forth in Exhibit "A" is there or elsewhere designated as an "allowable maximum," such items of requirement and of related cost are estimates only, and may be exceeded to the extent that the Government may from time to time approve for the most economic and beneficial performance of the work within the limitation of the total aggregate estimate of costs. The Government's approval of any such excess over the estimate for an item of requirement or related cost will be signified by its approval and payment of any invoice or voucher for payment which expressly calls attention to such excess. Items expressly designated in Exhibit "A" or elsewhere as "allowable maximum," and the total aggregate estimated cost are limitations, and any excess therein will be for the sole account of the Operator in which the Government will not participate.

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

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

(2) *Labor, supervision, consultants.*—Labor, supervision and technical services (including engineering and geological consultants), a schedule of which is included in the estimate of costs set forth in Exhibit "A." The requirements and related estimated costs for supervision and technical services are allowable maximums.

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

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

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

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

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

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

[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, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

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

(*c*) No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes) or any other indirect costs, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

ARTICLE 7. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operators shall provide the Government with monthly reports of work performed and costs (including contract unit prices) incurred under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of costs incurred on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

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

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

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

ARTICLE 8. *Payments by the Government.*—(*a*) The Government will pay 75 percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $5,580.00, which is 75 percent of $7,440.00, the agreed, estimated total cost of the project in which the Government will participate; *Provided,* that until the Operator's final report and final accounting have been rendered to the Government, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract.

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

ARTICLE 9. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

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

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

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

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

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

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

ARTICLE 10. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

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

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

ARTICLE 13. *Changes and added provisions.* ----------

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By O. Mitterling
Acting Administrator, Defense Minerals Exploration Administration

Chief Joseph Mines, Inc.
(Operator)

By C. A. Heinrich
President

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

Paul W. Sturmer

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66328-1

EXPLORATION PROJECT CONTRACT
CHIEF JOSEPH MINES, INC.
TUNGSTEN HILL CLAIM NO. I
DOCKET NO. DMEA-1499X

EXHIBIT "A"

Statement of the Work

The work to be done consists of stripping the outcrop of the vein by bulldozer and sampling and assaying thereof; the sampling of accessible underground drifts, where warranted; and the drilling of 1,000 feet of diamond drill hole, for determination of the position, thickness and tungsten content of the vein in depth.

Time Schedule: 0 - 1/2 month

1. Strip by contract bulldozing, the alluvium from the outcrop of the vein throughout its length of 1,000 feet, more or less, as completely as the terrain permits.

Time Schedule: 1/2 to 1 month

2. Sample the exposed outcrop where warranted. An estimated 40 samples will be required.

3. Sample the easterly portions of each of the two underground drifts, where accessible and where warranted. An estimated 8 samples will be required.

Time Schedule: 1 - 3 months

4. Determine, by means of diamond drilling, the position, thickness and tungsten content of the vein in depth. The Operator is to determine the position, inclination, and azimuth of the drill holes, which are to be directed toward such geological targets as are indicated by the existing underground exposures, above exposed outcrops, and their respective tungsten content. The total diamond-drill footage (1,000 lineal feet) is to be distributed as to the number and depth of holes by the Operator, subject to prior approval by the Government. An estimated 20 samples will be required.

Estimated Costs of the Project

(1) Independent Contracts

Stripping by bulldozer, 70 hours @ $10.00 per hour for actual operating time 1/	$ 700.00*

1/ The hourly cost of the bulldozer, while actually operating, shall not exceed $10.00, which price includes all wages, fuel, lubrication, transportation, repairs, compensation, and all other costs.

* Allowable maximum

Drill 1,000 feet of diamond drill holes @ $5.00 per foot 2/	$5,000.00*	$5,700.00*
(2) Labor, Supervision, Consultants		
1 - Supervisor-Engineer 3/ @ $400.00/ mo., 3 months	1,200.00*	
Compensation insurance, OAB and FUI, estimated	140.00	1,340.00*
(3) Operating Materials and Supplies		
68 - Tungsten assays @ $5.00/each	340.00	
Core boxes, estimated	60.00	400.00*
Total estimated cost		$7,440.00*
Government participation, 75% of estimated cost		$5,580.00*

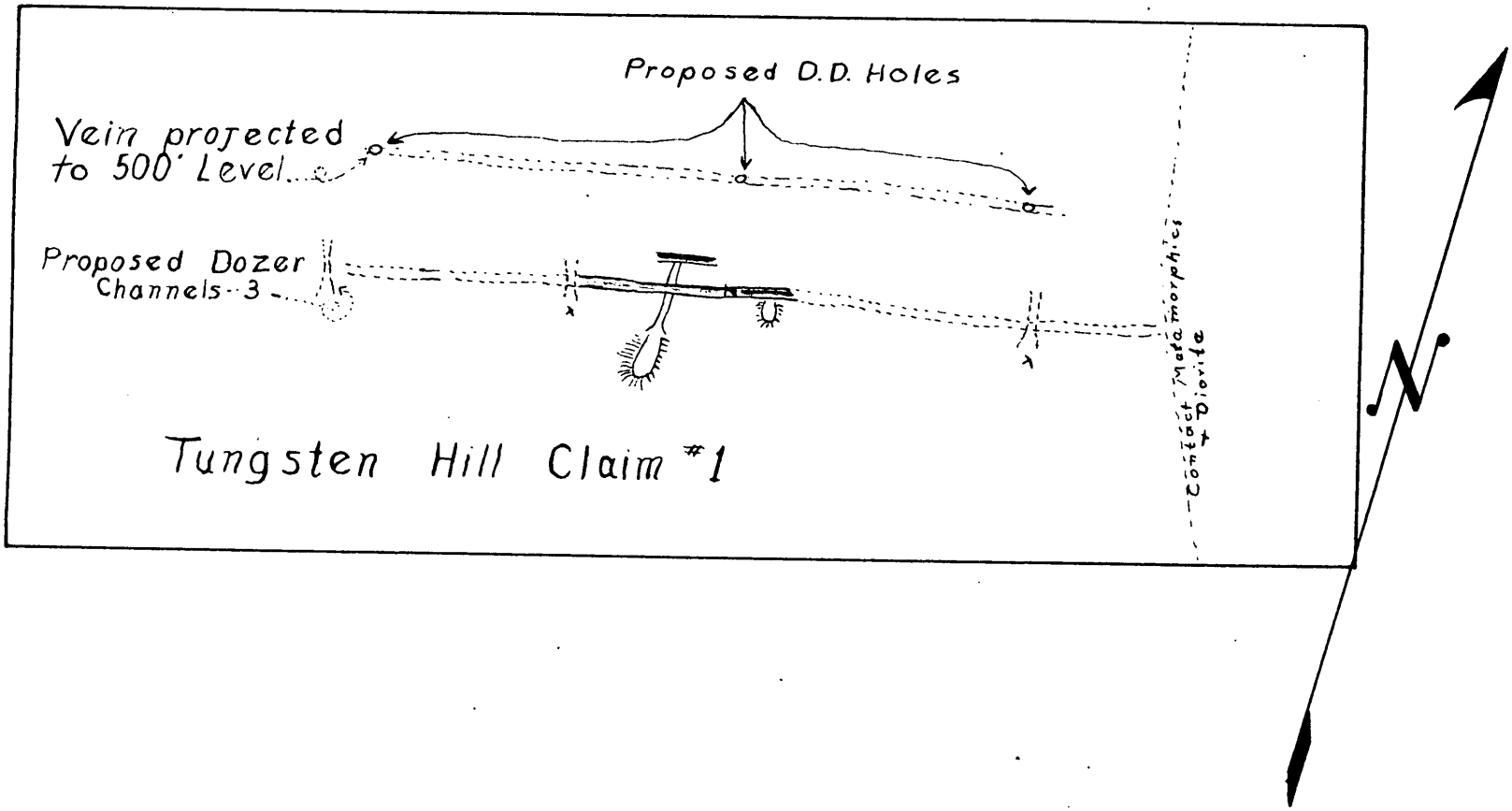
2/ The drill contractor is to furnish the drill and all needed accessories. The contract price includes all labor, fuel, lubricants, tools, repairs, transportation, supervision, diamond bits, drill rods, compensation, and all other costs.

3/ The supervisor-engineer will direct the operation and be responsible for the cutting of representative samples and their subsequent handling and keep what few accounts there are. He shall keep a log of the holes drilled noting the formations encountered; prepare adequate surface and/or underground maps or sketches showing the progress of the exploration, with assay-reports on samples taken, and shall include them in the monthly reports, as is required under Article 7 of the project contract.

* Allowable maximum

CHIEF JOSEPH MINES

Tungsten Hill Claim #1 Showing Existing and known Vein, Projected Vein and Proposed Prospecting. By Proposed Work it is Intended to Prove 225,000 Units of WO_3



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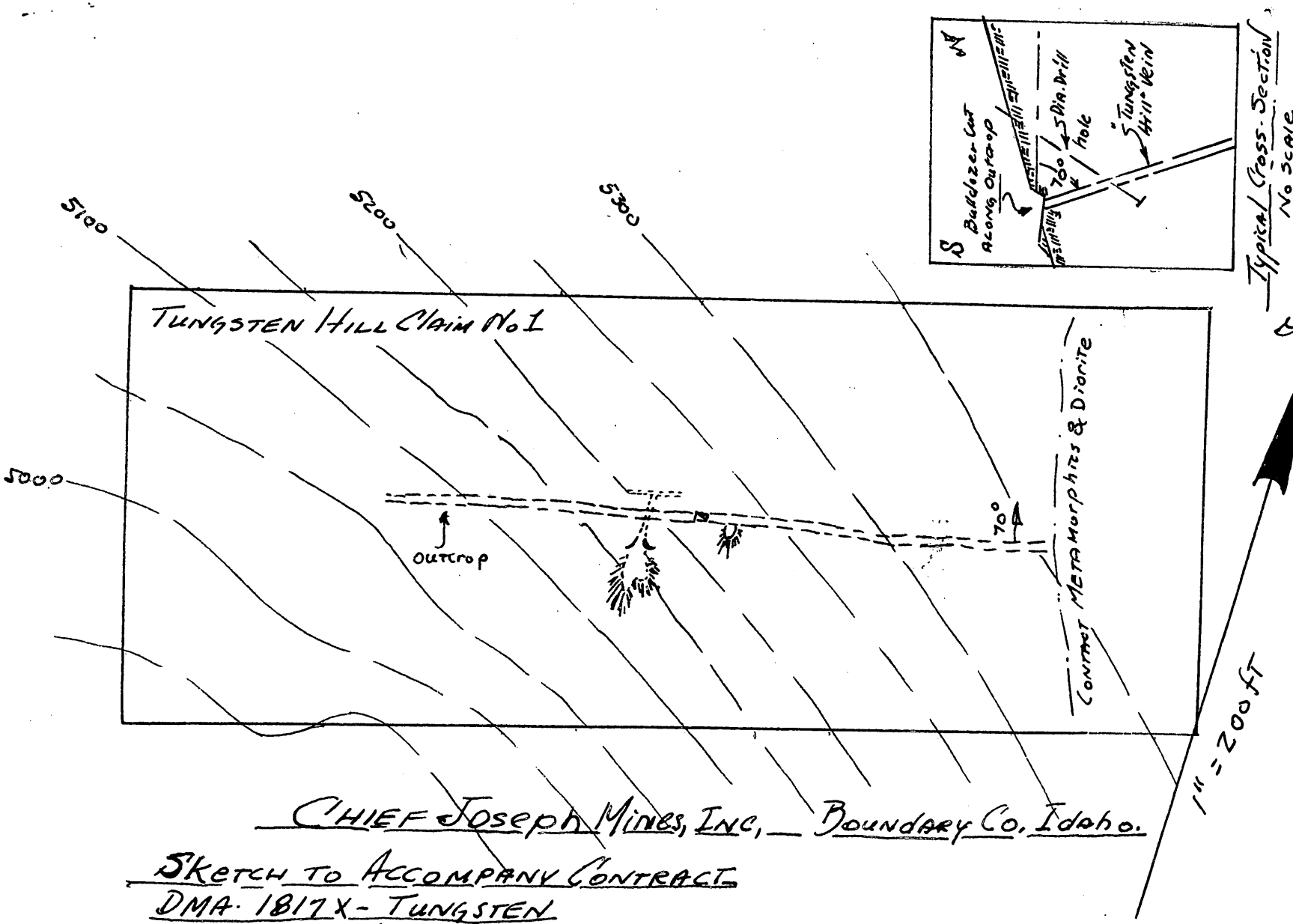


CHIEF JOSEPH MINES, INC, — BOUNDARY CO. IDAHO.

SKETCH TO ACCOMPANY CONTRACT
DMA-1817X - TUNGSTEN
CONTRACT No _____

Defense Minerals Exploration Adm.
Mar 10, 1952 by DAB

EXPLORATION PROJECT CONTRACT
CHIEF JOSEPH MINES, INC.
TUNGSTEN HILL CLAIM NO. I
DOCKET NO. DMEA-1499X

EXHIBIT "A"

Statement of the Work

The work to be done consists of stripping the outcrop of the vein by bulldozer and sampling and assaying thereof; the sampling of accessible underground drifts, where warranted; and the drilling of 1,000 feet of diamond drill hole, for determination of the position, thickness and tungsten content of the vein in depth.

Time Schedule: 0 - 1/2 month

1. Strip by contract bulldozing, the alluvium from the outcrop of the vein throughout its length of 1,000 feet, more or less, as completely as the terrain permits.

Time Schedule: 1/2 to 1 month

2. Sample the exposed outcrop where warranted. An estimated 40 samples will be required.

3. Sample the easterly portions of each of the two underground drifts, where accessible and where warranted. An estimated 8 samples will be required.

Time Schedule: 1 - 3 months

4. Determine, by means of diamond drilling, the position, thickness and tungsten content of the vein in depth. The Operator is to determine the position, inclination, and azimuth of the drill holes, which are to be directed toward such geological targets as are indicated by the existing underground exposures, above exposed outcrops, and their respective tungsten content. The total diamond-drill footage (1,000 lineal feet) is to be distributed as to the number and depth of holes by the Operator, subject to prior approval by the Government. An estimated 20 samples will be required.

Estimated Costs of the Project

(1) Independent Contracts

Stripping by bulldozer, 70 hours @ $10.00 per hour for actual operating time 1/	$ 700.00*

1/ The hourly cost of the bulldozer, while actually operating, shall not exceed $10.00, which price includes all wages, fuel, lubrication, transportation, repairs, compensation, and all other costs.

* Allowable maximum

	Drill 1,000 feet of diamond drill holes @ $5.00 per foot 2/	$5,000.00*	$5,700.00*
(2)	Labor, Supervision, Consultants		
	1 - Supervisor-Engineer 3/ @ $400.00/ mo., 3 months	1,200.00*	
	Compensation insurance, OAB and FUI, estimated	140.00	1,340.00*
(3)	Operating Materials and Supplies		
	68 - Tungsten assays @ $5.00/each	340.00	
	Core boxes, estimated	60.00	400.00*
	Total estimated cost		$7,440.00*
	Government participation, 75% of estimated cost		$5,580.00*

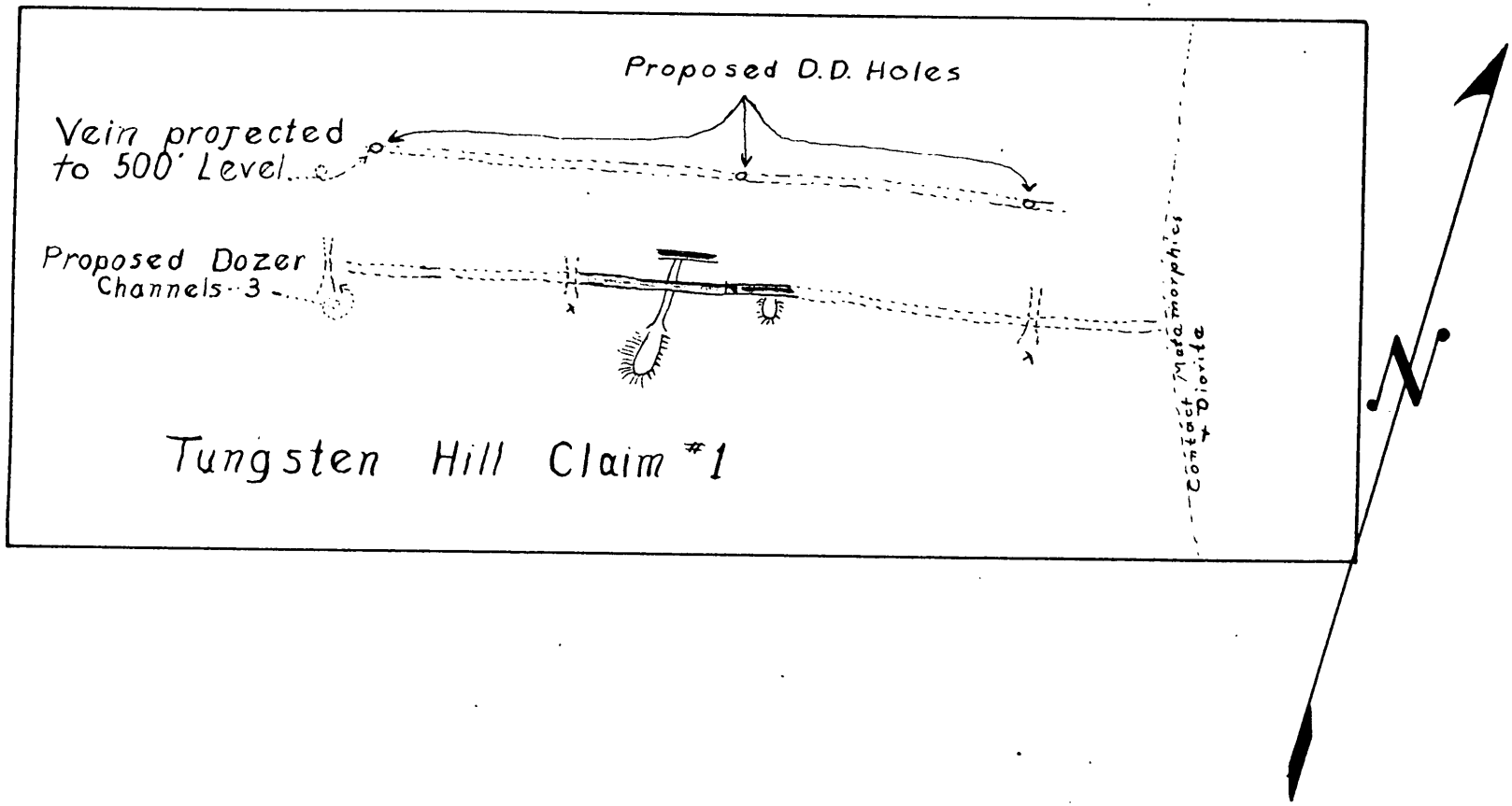
2/ The drill contractor is to furnish the drill and all needed accessories. The contract price includes all labor, fuel, lubricants, tools, repairs, transportation, supervision, diamond bits, drill rods, compensation, and all other costs.

3/ The supervisor-engineer will direct the operation and be responsible for the cutting of representative samples and their subsequent handling and keep what few accounts there are. He shall keep a log of the holes drilled noting the formations encountered; prepare adequate surface and/or underground maps or sketches showing the progress of the exploration, with assay-reports on samples taken, and shall include them in the monthly reports, as is required under Article 7 of the project contract.

* Allowable maximum

CHIEF JOSEPH MINES

Tungsten Hill Claim #1 Showing Existing and known Vein, Projected Vein and Proposed Prospecting. By Proposed Work it is Intended to Prove 225,000 Units of WO_3



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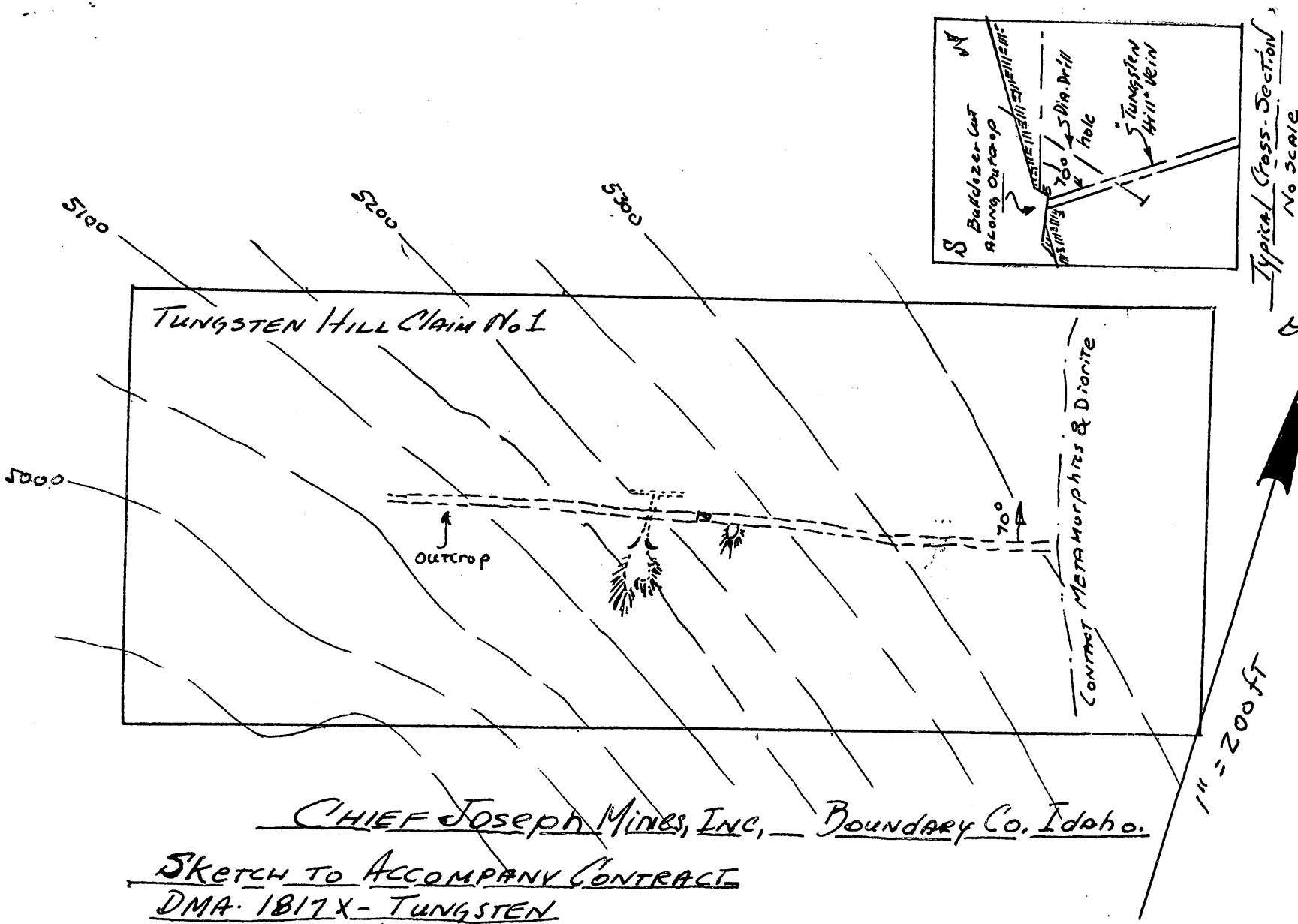
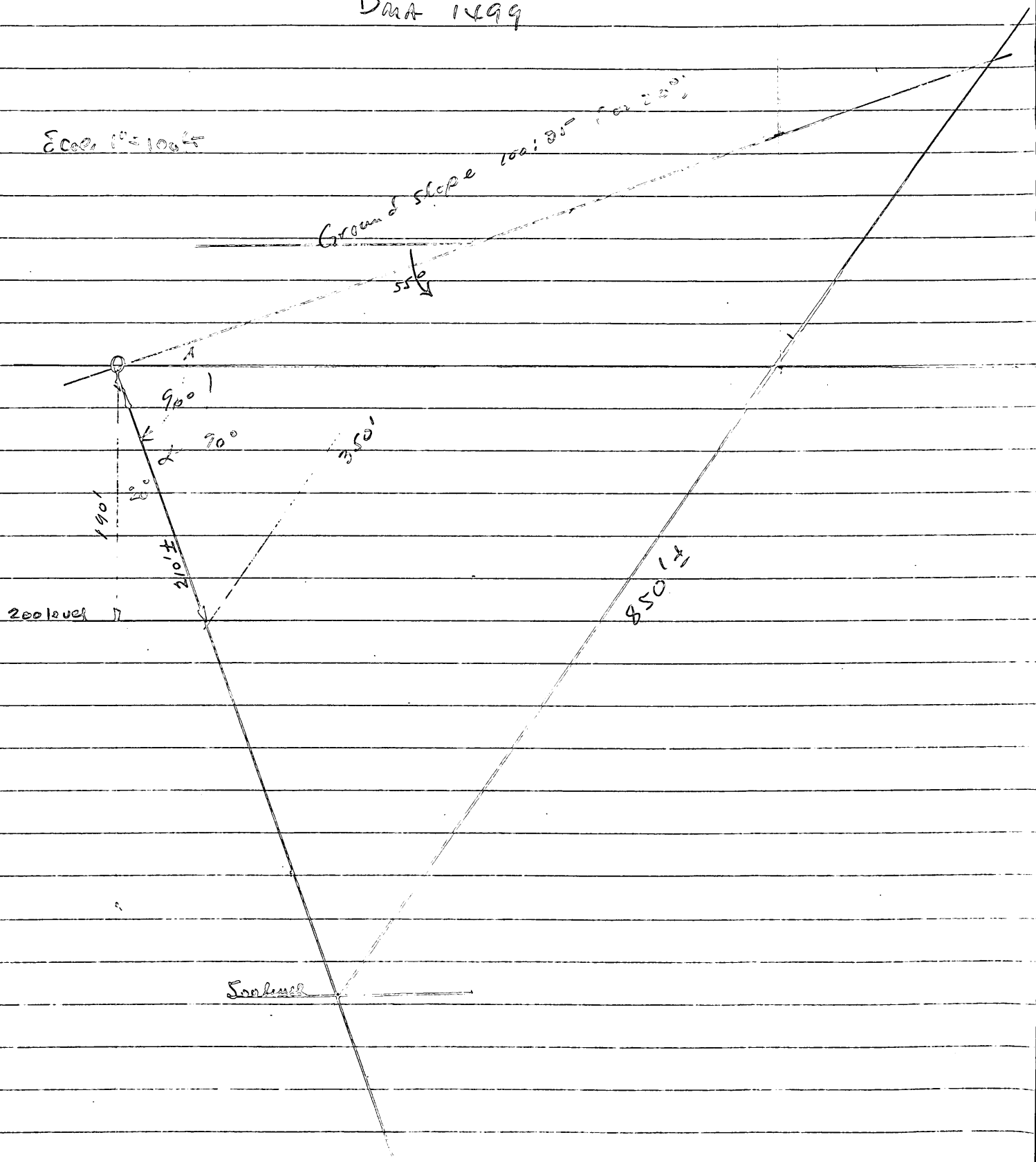


CHIEF JOSEPH MINES, INC, — BOUNDARY CO. IDAHO.

SKETCH TO ACCOMPANY CONTRACT
DMA-1817X-TUNGSTEN
CONTRACT No _____

Defense Minerals Exploration Adm.
Mar 10, 1952 by DAB

Chief Joseph Mines
DMA 1499



MF-200
(April 1951)

Docket No. DMA _____
Commodity Tungsten

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

It is agreed this 13th day of July, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and[2]
Chief Joseph Mines, Inc.
Room 325 Powell Building
% James W. Wayne
Coeur d'Alene, Idaho
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 Idaho, County of Boundary described as follows:[3]
Chief Joseph Mines Tungsten Hill property claim no. 1, located in Sec. 13, T. 64 N., R. 1 E., B.M.
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 a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for[5] Tungsten; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of[6] 2 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. Attached hereto, marked "Exhibit 'B'," is a detailed list of 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 its agreed pro-rata share of the cost. 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.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. 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, and 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.* Attached hereto, marked "Exhibit 'D'," is 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.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable 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, 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 the 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, or any other indirect costs not expressly allowed by these regulations, 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. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator 75 percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $4,875.00, which is 75 percent of the agreed estimated total cost of this project, $6,500.00.

12. *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.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract 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.

14. *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 additional for each 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 property 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.

15. *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.

16. *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 triplicate the day and year first above written.

CHIEF JOSEPH MINES, INC.
(Operator)

By Frank R. Kurz
Vice-President

THE UNITED STATES OF AMERICA

By

U. S. GOVERNMENT PRINTING OFFICE 16—64066-1

Docket No.
Commodity: Tungsten

EXHIBIT "A"

Description of the project and the work to be performed on Claim No. 1 of the Tungsten Hill Property of Chief Joseph Mines.

Item	Description	Amount
	The purpose of the project is to determine the continuity along the strike of the vein by means fo bulldozer trenches, and the extension in depth by diamond drilling. Total time required for the project is two months.	
1.	Bulldozing 3 - 100-foot trenches 20 hours at $10.00/hour. (Includes all costs)	$ 200.00
2.	Diamond drill one 350-foot hole, bearing due south, dipping 55°. Diamond drill one 400-foot hole, bearing due south, dipping 56°. Diamond drill one 350-foot hole, bearing due south, dipping 50°. These are to be started from locations as plotted on the accompanying map. 1,000 feet at $5.00/foot	5,000.00
3.	Supervision and sampling	300.00
		$6,500.00

Docket No.
Commodity: Tungsten

Chief Joseph Mines, Inc.

Exploration Project Contract

EXHIBIT "B"

None

Docket No.
Commodity: Tungs

Chief Joseph Mines, Inc.

Exploration Project Contract

EXHIBIT "C"

None

Docket No.
Commodity: Tungsten

Chief Joseph Mines, Inc.

Exploration Project Contract

EXHIBIT "D"

None

Docket No.
Commodity: Tungsten

Chief Joseph Mines, Inc.

Exploration Project Contract

EXHIBIT "E"

None

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-1499 X

Date received 6/4/51

Participation

CHIEF JOSEPH MINES, INC.
ROOM 325, POWELL BLDG.
% JAMES W. WAYNE
COEUR D'ALENE, IDAHO

Name and address of applicant

Date May 31, 1951

FILL IN THIS BLOCK

Date of application MAY 31, 1951

Estimated cost $8,000.00

Mineral or metal TUNGSTEN

Percentage of Government participation 75%

Location of mine Twnship 64N, R1E, Boise Meridian, Idaho (Boundary County)

Date of filing MF-100

DMA Docket Number, if available

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?
*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?
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. Owner

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)? One Fourth of Cost of Exploration.

*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. 5 Claims, Sec. 13, T64N, R1E, B.M., Boundary County, Idaho

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Claim #1, Tungsten Hill, above location. All Same Area.

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. Mill Should be done on property if Commercial Ore Discovered. No Mill Yet. Closest Rail to Trail, B.C.Canada.

*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? Tungsten

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. Diamond Drilling-2 Mo. Surf. Prospect - 1 Mo.

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. Bull. #2, Vol XIV, Univ. of Idaho School of Mines - "Tungsten-Cinnabar, Manganese, Molybdenum & Tin Deposits in Idaho", By: D.C.Livingston & Francis Thomson

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. None

(*b*) Supervisors, by numbers and positions, with salaries of each. 1 Supervisor - $400.00

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings. None

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings. None

(*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. None

(*f*) Cost of rental for equipment which the operator proposes to rent. Bull Dozer Rental, $50.00 per Day. Dia. Drill Complete, $4.50 per l.f.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work. None

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each. None

(*i*) Cost of power, water, utilities, and any other items not provided for above. None

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. Open Surface by Bulldozer, following with the Diamond Drill.

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.

Chief Joseph Mines, Inc.
(Name of company)

By James H. Clark
(Signature of authorized official)

May 31, 1951
(Date)

Treasurer
(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

M. & F. PROPERTY

This property is 28 miles from Bonners Ferry in the Queen Mountain district, in Sec. 13, T. 64 N., R. 1 E. It is reached, except for the last mile or two, by a good auto road, a considerable part of which is the Idaho North and South Highway.

The veins occur in coarse-grained diorite which contains considerable feldspar. The veins are but a short distance from the granite batholith of Queen Mountain. These veins show evidence of contact metamorphism due probably to the intrusion of the granite. In this respect only do the veins of this property differ from the same type veins found elsewhere in the district.

The ore is chiefly scheelite though accompanying it in a heavy massive quartz are also specks of galena, pyrite, pyrrhotite, and copper stains. Scheelite, calcium tungstate, was in demand during the World War. At that time it could be profitably mined even in small quantities, but a lowering of the price has necessitated development looking toward mining on a larger scale.

The main vein has been opened up by one long surface cut and is again exposed by a short cross-cut which encounters it a few feet below the surface cut. A still longer tunnel has been driven which encounters the vein at considerable depth but is west of the ore shoot. The face of the lower tunnel shows "sugar" quartz and calcite. Drifting to the east should open up ore found above. The vein strikes S. 84° E. and dips 70° n. It is six feet wide where encountered in the upper tunnel.

In all, 500 feet of development work has been done.

Open cuts expose another vein on the Blanche No. 1 and No. 2 claims. These cuts are probably 1500 feet northwest from the lower tunnel on the other vein just described. The Blanche vein strikes N. 4° e. and dips 60° E. The exact width of this vein was not determined, but it is probably about two or three feet wide.

The M. & F. property includes 19 claims. The equipment consists of a blacksmith shop, hand mining tools, mine car, and light rail, together with several camp buildings. Active development operations were discontinued in 1922. Since that time assessment work, including road building and general repair, has been performed. There has been little production to date. The property merits more extensive development work.

Excerpt from Idaho Bureau of Mines and Geology Bulletin, No. 10, November, 1926, pages 60 and 61.

TUNGSTEN ORES

Tungsten in the form of scheelite occurs at the M & F property formerly the Tungsten Hill, in the Queen Mountain district, in fissure veins in a large basic sill. A short distance from the property the sill contacts with granite. This granite is part of the Queen Mountain cupola. The main vein is from 5 to 6 feet wide. It strikes nearly east and dips 70° N. This vein comes under the class of veins crosscutting basic sills. Another vein on an adjoining claim runs approximately north and dips some 60° E. It comes under the class of veins parallel to contact of basic sill and quartzite but lies wholly within the sill. This vein has been prospected only to a limited degree.

The face of the drift on the main vein showed massive quartz with scheelite, specks of galena, pyrite, pyrrhotite, and green copper stains. A sample by Professor D. C. Livingston taken across a 5-1/2 foot face showed an average assay of 1.09 per cent WO_3.

Scheelite forms under conditions of high temperature and pressure and is considered a contact metamorphic product. This fact, together with the presence of several other typically contact metamorphic minerals, such as garnet, actinolite, enstatite, and hypersthene, and the proximity to the granite, suggest a contact metamorphic origin.

Excerpt from Idaho Bureau of Mines and Geology Bulletin, No. 10, November, 1926, page 50.

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. Wash

Bu. Vou. No. DMA-445

U. S. Interior, Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 10/23/52
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E 297

DEPARTMENT OF THE INTERIOR
Defense Materials Administration
RECEIVED
OCT 28 1952

To Chief Joseph Mines, Inc.,
(Payee)

325 Powell Bldg., Coeur d' Alene, Idaho
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms net	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	July 1952	As per attached certified form MF-104 dated July 31, 1952				825	00
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					

Shipped from to Weight Government B/L No. Total 825 00

(Payee must NOT use this space)

Differences

Account verified; correct for 825 00

(Signature or initials)

Contract No. Idm-E 297 Date Req. No. Date Invoice Rec'd.

825.00

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X1401	Revolving Fund, Defense Production Act, Interior	825.00	825.00

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
{ Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

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

Wash

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
OCT 28 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA 1499 X Contract No. ~~DMEA-R-279~~

Operator's Name Chief Joseph Mines, Inc. Minerals Tungsten

Address 321 Powell Bldg, Coeur d'Alene, Idaho

Contract Amount, $ Government Participation: 75% Amount, $

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing	$700.00	---	$700.00			
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision	$400.00	---	$400.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1100.00	---	1100.00	1,100.00		1,100.00

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

Date July 31, 1952 *Payee Chief Joseph Mines, Inc.

Per E. V. Boughton Jr. Title Manager

*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:

$ 825.00

Signature
(Authorized Certifying Officer)

Date 10/24/52 Vou. No.
(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 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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

Month of July 1952 Docket No. DMEA 1499 X Contract No. IDM-E-~~270~~

Operator's Name Chief Joseph Mines, Inc. Minerals Tungsten

Address 320-321 Powell Bldg., Coeur d' Alene, Ida.

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	Hr.	$400.00	40	$400.00	40		(70 Hrs. Bull-	
Trenching	Hr.	$300.00	30	$300.00	30		dozing)	
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$700.00	70	$700.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Supervision		$400.00		$400.00				
TOTAL COSTS		$1100.00		$1100.00				$1100.00

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

Date July 31, 1952 Operator E. V. Boughton Jr.

Per Chief Joseph Mines, Inc. Title Manager

REMARKS: Stripping and trenching where it is thought the greatest good could be attained. See Narrative.

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

CHRIS JOSEPH WELLS INC.

PARTIAL REPORT OF WORK ACCOMPLISHED AS OF JULY 31, 1952

Work was commenced on the 27th day of June in this year of 1952.

The contractor, Mr. Frank Wells and his equipment operator, started moving his cat up the three mile hill to the mine location at 6;45 A.M. One mud hole and one wash-out had to be repaired enroute. Equipment reached the mine at noon. At this hour also a Mr. Reno of the U.S.G.S. arrived and made a short tour and investigation of work to be done.

Actual work started on a westerly cut about 3;00 P.M. This was not completed until the close of the next day. The last day of June and the first week in July no work done because of the heavy rains. These rains made the roads impassible.

Work was resumed on July 7, that day being used a great deal to build road about 700 feet around a rock ledge and up the hill to the next cut location. This was to have been approximately 100 feet East of the discovery pit. The overburden at discovery was from three to five feet, and the overburden at the cut was around twelve feet.

In attempting to make this cut it was found that the early miners had drifted about fifty feet into the vein, turned East and raised up about thirty feet, thus breaking thru the bein into the overburden. The bull-dozer broke thru this stopped out area, but didnot fall in. The next cut was tried on an extremely steep slope 150 feet east of the discovery pit, this developed a fifteen to twenty foot face of overburden and it was still four to six feet back to bed rock as near as could be determined. This determination was made by looking back thru another over-burden cave.

The nature of the over-burden seemed to be about eighteen inches to twenty four inches ofa brown loam-silt with a few granite boulders, thence into an extremely hard greenish sandy clay with many granite boulders. The bed rock is extremely uneven. Five feet from an outcrop might be five or six feet of over-burden, because of this it was not felt advisable to attempt any lateral stripping on the vein.

Progress seemed to be extremely slow so this writer made a trip to Wallace, Idaho to check the methods of the U.S.G.S. district operators against his own. After this comparison it was noted that we were using considerably lighter equipment than was used by the Wallace operators. We were using an International TD-18 and the Wallace people use TD-18's and Cat-DA-7's & 8's.

At the conslusion of the bulldozing operations a night was spent with a mineral-lite but no new showings were found. An attempt was made to hire day labor to open up some of the bedrock exposed by the dozing operations and open some of the old workings, but there is no labor available in the Bonners-Ferry area. This writer was alone and therefore didnot attempt to enter the old stope area. However the light was lowered into the stope but no floresccence was visible from that distance. Approximately 14 samples must still be taken from the vein.

E. V. Boughton Jr.

E. V. Boughton Jr.---Mgr.

cc:
USGS-- 6
Company files--1

FILE COPY
SURNAME:

Ruthelyn Martin

400

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

August 13, 1953

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Memorandum of Non-Discovery
Docket No. DMA 1499X - Tungsten
Chief Joseph Mines, Inc.
M. & F. mine
Boundary County, Idaho

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

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

1. The exploration project was conducted on the Chief Joseph Claim No. 1, located in Sec. 13, T. 64 N., R. 1 E., Boise Meridian, Idaho, in the Queen Mountain Mining District.

2. The mineral sought was scheelite, occurring in quartz veins in a coarse-grained diorite. The veins are composed of heavy massive quartz with accessory scheelite, galena, pyrite, pyrrhotite, and oxide copper.

3. Stage I of the contract allowed 70 hours of bulldozing @ $10.00 an hour to strip the outcrop of the vein. This amount of bulldozing was completed but the work was not located as outlined. Instead the 70 hours of bulldozing were expended in and adjacent to the area explored by the old workings and in the construction of access roads between the trenches.

4. The results of the work to date are negative inasmuch as it did not test the target and no new information regarding the occurrence was obtained. Because of the negative results, the contract was terminated

on February 10, 1953, as "In the opinion of the Government, operations up to the time of this notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified."

5. Total costs incurred were:

Bulldozing	$700.00
Supervision	400.00
Approved total.....	$1,100.00

Government's share (75%)... $825.00

SIGNED

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

FARutledge/ls
8/13/53

Copy to: DOCKET
ADM. READING FILE
OPER. COMMITTEE
FIELD TEAM, REG. 2
CODE 400
MARY MILLER, USGS
R. W. GEEHAN, USBM

8-17-53

Yes Audited

No Certified

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

Analysis as of 12/8/1954
Incl. Voucher for

Yes Actual Cost

Agreed Unit Costs

Name Chief Joseph Mines, Inc.

Docket No. DMA - 1499X

State Idaho

Commodity Tungsten

Idm-E No. 297

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting					
Raising					
Shafts					
Winzes					
Drilling (Specify) Diamond	1,000'	5,000.00			
Surface Excavation		700.00		700.00	1,100.00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) Labor, Supervision, Sampling, Assaying, Core boxes.		1,740.00		400.00	
Totals		7,440.00		1,100.00	1,100.00

Terminated by Government.
2 Amendments.

Prepared by TLC

71626

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG - 4 1953

July 28, 1953

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-1499X (tungsten)
Chief Joseph Mines, Inc.
Boundary County, Idaho
Contract No. Idm-E297

Dear Mr. Selfridge:

Enclosed are four copies of the final Field Team report on the captioned property. This report has been prepared by Eric G. Erickson, Mining Engineer, U. S. Bureau of Mines, and Verne C. Fryklund, Jr., Geologist, U. S. Geological Survey, and recommends that no Certification of Discovery be made. The Field Team concurs with this recommendation.

Since the time contract work was completed, we have tried on several occasions to obtain a final report and a final accounting of contract expenditures from the Operator but without success. On March 20, 1953, we advised the Operator by letter that we would not accept any contract bills submitted after April 1, 1953; no answer was received from the Operator. A review of the Operator's monthly reports was made by Mr. Robert M. Hull, DMEA Auditor, on March 5, 1953. This review was in lieu of a final audit of the Operator's accounts and it showed that payment to the Operator in the amount of $825 was considered valid and proper.

Inasmuch as it is believed that the Operator's final report would be of little value, it is recommended that his final report be waived. The Government had no equity in any equipment purchased for the project. It is recommended that the contract account be closed.

By DMEA Field Team, Region II

M E Volin

M. E. Volin, Acting Exec. Officer
(U. S. Bureau of Mines)

T H Kiilsgaard

T. H. Kiilsgaard, Acting Member
(U. S. Geological Survey)

Reviewed by
DMEA OPERATING COMMITTEE
8-7-53
(date)

Enclosure
cc: USBM (2)
Fryklund

FINAL
F.T. REP

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG - 4 1953

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD TEAM, REGION II

FINAL REPORT

Contract Idm-E297

by

Eric G. Erickson
Mining Engineer
U. S. Bureau of Mines

Verne C. Fryklund, Jr.
Geologist
U. S. Geological Survey

CHIEF JOSEPH MINES, INC.
Coeur d'Alene, Idaho

Docket No.:	DMEA-1499X
Commodity:	Tungsten
Contract date:	April 21, 1952
Completion date:	Nov. ~~July~~ 21, 1952

THE CHIEF JOSEPH MINE
Queen Mountain Mining District
Boundary County, Idaho

Reviewed by
DMEA OPERATING COMMITTEE
8-7-53
(date)

Spokane, Washington

March 11, 1953

DEPARTMENT OF THE INTERIOR
Bureau Mines Administration
RECEIVED
AUG 4 1953

FINAL REPORT

CHIEF JOSEPH MINES, INC.
The Chief Joseph Mine
Queen Mountain Mining District
Boundary County, ~~Montana~~ Idaho

Contract Idm-E297

* * * *

INTRODUCTION

Authorship

This report has been prepared by Verne C. Fryklund, Jr., Geological Survey, and Eric G. Erickson, Bureau of Mines. The description of the geology has been taken from the preliminary report on the property by S. Warren Hobbs dated October 15, 1942, as the recent exploration has added nothing to the geologic knowledge of the property.

Summary

Purpose of project

The purpose of the project was to locate unknown tungsten oreshoots on extensions of a known tungsten-bearing vein. This was to be done by stripping the alluvium from the outcrop of the vein throughout a length of 1,000 feet as completely as possible; sample the exposed outcrop where warranted; sample the easterly portions of the two underground drifts, if warranted; and determine by diamond drilling the depth extension of possible oreshoots discovered by sampling the stripped outcrop of the vein and underground workings.

Accomplishments and summary of conclusions

The Operator spent 70 hours bulldozing areas where the vein had been previously explored by old workings (see map). None of the trenches cut the main quartz vein. Bulldozing was the only work done on the contract.

The report of S. Warren Hobbs (that was included with the Field Team Report to Washington before the contract was prepared) indicated that the mine was a possible source of a small tungsten production but that no extensive exploration program was warranted. Unfortunately, the present exploration project did not extend the prior exploration, and Mr. Hobbs' conclusions must still stand. The Operators did not exercise competence in the exploration as demonstrated by the improper bulldozing sites which they selected.

Recommendations

No discovery should be certified. Had the original contract been carried out, it is possible that small tungsten oreshoots might have been discovered. Government participation with the present owners of the property for further exploration work is not recommended.

LOCATION AND ACCESSIBILITY

The Chief Joseph Mine, formerly known as the M. & F. Mine, the Tungsten Hill, or the Bull Moose Group, is located in the Queen Mountain mining district in sec. 13, T. 64 N., R. 1 E., Boundary County, Idaho. It is reached by means of the Bethlehem Road, a forest service road which turns south from U. S. Highway No. 95 at a point about 2 miles northeast of the junction of U. S. 95 and State road No. 1 near the town of Copeland. This road is followed for 10 miles to the mine, avoiding right-hand branches at 4.3 miles (marked U. S. Highway 95), at 6.5 (Stroud road), and following at 7.8 miles a sign marked Tungsten Lookout Road which cuts back to the left at an acute angle to the main road. The mine is situated on the southwest slope of a portion of Queen Mountain at an altitude of about 5,100 feet. The hill rises to an altitude of about 5,700 feet behind the mine.

The area is covered, in part, with moraine material making bulldozing without heavy equipment difficult; the topography in the mine area is shown on the accompanying map. After winters of heavy snowfall the property is not readily accessible until June.

PROPERTY

The property included in the contract consisted of one unpatented claim, the Chief Joseph No. 1, located in sec. 13, T. 64 N., R. 1 E. Boise meridian, Boundary County, Idaho.

Mine workings consist of a 270-foot lower adit crosscut to the vein and 125 feet of drift on the vein from this adit. There are also four short adits, a shallow shaft, 60 feet of drift off the adit near the shaft, and a raise to the surface from the 60-foot drift (see accompanying map). The shaft is open and the 270-foot crosscut can be made

accessible by removing the small earthen dam at the portal. The drift off the lower adit is about 150 feet below the outcrop. The 60-foot drift is about 40 feet below the surface.

The ground is firm and, for the most part, does not require support. There are no mining or milling facilities or equipment on the property.

THE PROJECT

The geologic justification for the project is contained in Mr. Hobbs' report of 1942, most of which is included in this report under geology. The exploration was to consist of 70 hours of bulldozing which would have stripped the alluvium, actually morainal material, from the vein outcrop; sampling the exposed vein where warranted; underground sampling where warranted; and the drilling of 1,000 feet of diamond drill hole in a search for depth extensions of any significant scheelite mineralization exposed by the bulldozing. This work was to be done in 3 months. Seventy hours of bulldozing were expended in and adjacent to the area explored by old workings, but unfortunately most of this work was of little value as it did not test the target. The improper location of the dozing sites resulted from poor judgment by the Operator.

The contract was signed in Washington on April 21, 1952. Amendments Nos: 1 and 2 dated June 15, 1952, deferred the starting date until within 30 days of June 15 because of weather conditions and difficulty in getting equipment. When it became obvious that the work would not be completed within the allotted time, the contract was amended on August 6 to extend the contract time from 3 months to 7 months. To our knowledge, no work has been done on the project since August when the bulldozing was completed. The contract was terminated February 10, 1953, on the basis of little probability of making any worthwhile discovery.

Geology

General geology

The geology and ore deposits have been described by Livingston[1/] and by Kirkham and Ellis[2/]. The oldest rocks in the district are schists, slates, and quartzites of probable Belt age, which have been intruded by two bodies of igneous rocks, a large dike or stock of hornblende diorite and a coarse-grained gray granite. The diorite forms the country rock of the tungsten-bearing vein, but the closest granite exposures are about 700 to 800 feet east of the main mine workings and beyond the traceable extent of the vein. The age relationship of the diorite to the granite

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1/ Livingston, D. C., Tungsten, cinnabar, manganese, molybdenum, and tin deposits of Idaho, Univ. of Idaho, Bull. No. 2, Vol. 14, 1919.

2/ Kirkham, V.R.D. and Ellis, E. W., Geology and ore deposits of Boundary County, Idaho, Idaho Bureau of Mines and Geology, Bull. 10, 1925.

is not definitely known, but it seems probable that the granite is younger and may be the source of the mineralization.

Ore deposits

Several quartz veins carrying small amounts of galena, pyrite, chalcopyrite, garnet, carbonate, and localized pockets of scheelite occupy fissures in the diorite. Of these veins, only one is important, and this is the one on which most of the development work has been done. The map accompanying the report shows the exposures of this vein both on the surface and underground. The vein strikes about N. 82° W. and dips very steeply to the northeast. Its thickness varies considerably between outcrops. In the open cuts above the upper tunnel the vein is 5 to 7 feet wide, and it maintains this width at least as far as the small pit 65 feet to the west. As exposed in the drifts of the upper tunnel, the vein is 8 feet wide but is composed almost entirely of barren white quartz. In the lower tunnel, the vein shows a maximum width of 3 feet 3 inches, and in places it breaks into a zone of stringers and irregular stockwork type of deposit, which is also about 3 feet wide but contains much intermixed diorite. Two small pits on the strike of the vein about 300 feet east of the upper tunnel expose a vein 6 to 8 inches wide. If this is the same vein as those exposed in the tunnels, it represents the narrowest showing in the area.

The gangue material of the vein is chiefly a milky white quartz. Locally, there is abundant granular white carbonate, and patches of garnet and tremolite apparently produced by alteration and replacement of the carbonate.

The tungsten occurs as scheelite and is found in the quartz vein, associated with the quartz and also with the carbonate and its alteration minerals. Livingston reports fair scheelite from the open cut above the upper tunnel. This cut has been badly caved, but examination of the remaining outcrops by means of the ultra-violet lamp failed to show any appreciable amount of the scheelite. The vein, as exposed in the lower tunnel, shows a small amount of the tungsten mineral near the east end of the drift, but nothing is present which could be considered ore. The upper tunnel shows scattered specks of scheelite in the vein, but only at the east face is the tenor high enough to make possible ore. Portions of this face were estimated to run 0.5 to 1 percent. Some of the material on the dump of the caved tunnel 80 feet east of the east end of the open cut shows good scheelite, and this indicates a possible extension of the favorable zone from the good face of the upper drift. No other showings of scheelite were found.

Grade of ore and reserves

Livingston sampled the open cut and obtained the results in the following table which is quoted from his report. Samples were taken at 10 foot intervals.

Sample No.	Width of sample in feet	% WO_3
1	5.0	0.59
2	4.0	0.68
3	6.0	1.05
4	6.5	0.61
5	6.0	2.34
Average	5.5	1.09

These results were checked by Livingston by computing the value of the vein on the basis of the reported production of 1,200 pounds of 68 percent concentrates from about 100 tons of ore. This gave a result of 0.40 percent WO_3. A sample of the waste dump gave a result of 0.98 percent WO_3. The combination of these two results gives an average value for the original ore of 1.38 percent WO_3.

The open cut was checked for scheelite content by means of the ultra-violet lamp at the time of the present study and only a small amount of scheelite was visible. It is possible that a rich pocket of ore was removed from this cut. The only ore in place which approaches the tungsten content reported by Livingston is in the very eastermost faces of the two drifts. However, no information is available on the possible extent of this visible material.

No ore is blocked out in the mine. On the assumption that the scheelite now showing in the mine might outline an oreshoot, and on the assumption that the vein will average 3 feet in width, there is a block of vein material present which contains about 3,500 tons. This amount of material has a chance of containing some scheelite. There are no reasons to prevent the occurrence of more tungsten-bearing material, but there is also no guide to its possible localization. Apparently, the most favorable part of the vein lies just to the east of the present workings, and any attempt to develop the mine should be made by extending the drifts to the east on the two levels now open, and by reopening and exploring the caved tunnel above and east of the open cut.

Summary of Factual Data

Item	Cost
Bulldozing	$ 700.00
Supervision	400.00
Total approved costs	$1,100.00
Government's share (75%)	$ 825.00
Total amount of the contract	$7,440.00
Government's share (75%)	$5,580.00
Government's share unexpended	$4,755.00

Enclosure
Distribution:
DMEA(4) USGS(SRO) Fryklund
USBM(5) Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

March 21, 1953

Department of the Interior
Defense Minerals Administration
RECEIVED
MAR 27 1953

Mr. George Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-1499X (Tungsten)
Chief Joseph Mines, Inc.
M. and F. Mine
Boundary County, Idaho
Contract Idm-E297

Dear Mr. Selfridge:

In reply to your letter of March 13, we have been trying to get a final report from the Operator for some time but without success. We are not so much concerned with the technical aspects as we can cover this adequately in the Field Team report, but we want to be sure that all of the Company's invoices have been submitted to us. We have recently written a letter telling them again that we are closing the accounts, and that if we do not receive the invoices, they cannot be considered. I am not sure that we are authorized to do this, but we hope that it may be effective in getting a letter from them acknowledging that they have no further invoices to present. If we receive this letter, I recommend that we waive the final report.

A Field Team final report is in the final stage of preparation and will be sent to you in a short time.

Sincerely yours

A. E. Weissenborn, T.H.K.

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
Fryklund

Copy retained 400

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

March 20, 1953

Mr. James Wayne
Chief Joseph Mines, Inc.
Room 325, Powell Building
Coeur d'Alene, Idaho

WSM

Re: Docket No. DMEA-1499X
Chief Joseph Mines, Inc.
Contract Idm-E297

Dear Mr. Wayne:

Your attention is directed to several letters from this office pertaining to the termination of the Chief Joseph DMEA contract, and specifically to a letter dated February 11, 1953, which contained a notice of termination signed by the Executive Officer, Region II. You will note that the notice of termination requires the Operator to render to the Government a full and final accounting of the operations under the contract. A final report is necessary before a contract can be officially closed out.

To date, the final report on the subject contract has not been received, although we have requested it on several occasions. Inasmuch as contract work was not too extensive it will not be necessary to report in detail the accomplishments of the project, but we would like an accounting of contract expenditures and we wish to know whether there are any unpaid contract bills in which the Government should participate. In view of the time that has elapsed since work ceased, we must advise that we will consider the project account as closed on April 1, 1953, and will not accept any contract bills that are submitted following that date.

We would appreciate your informing the Operator of the need for a final report and we hope that the report will be submitted before April 1.

Sincerely,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: Finance Officer
DMEA (3)
USBM (2)
Fryklund

FILE COPY
SURNAME:

400

Rutledge
Martin
Selfridge.

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

MAR 13 1953

AIR MAIL

Mr. A. W. Weissenborn, Executive Officer
DMTA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMA 1499X - Tungsten
Chief Joseph Mines, Inc.
M. and F. Mine
Boundary County, Idaho
Expl. Contract No. Idm-E297

Dear Mr. Weissenborn:

Reference is made to the subject contract for which a final audit has been received. It will be appreciated if you will furnish this office with a final Field Team report and a final Operator's report. If no final report has been received from the Operator, Chief Joseph Mines, Inc., should be requested to furnish such a report as specified in Article 7 (b) of the contract in order that this docket may be closed. However, if in your opinion, the Operator's final report will not add appreciably to our information about the project, we will waive the Operator's final report if you so recommend.

Sincerely yours,

George C. Selfridge (GB) 3/13/53

Chairman, Operating Committee

Approved:

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

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

FARutledge/ls
3/12/53

cc: DOCKET
FT, REG. II
CODE 400
OPER. COMMITTEE
ADMN. READ. FILE
D. M. LEMMON, USGS
R. W. GEEHAN, USBM

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

February 17, 1953

Mr. James Wayne
Chief Joseph Mines, Inc.
Room 325, Powell Building
Coeur d'Alene, Idaho

WSM

Re: Docket DMEA-14
Contract Idm-227

Dear Mr. Wayne:

This will acknowledge receipt of your letter of February 15 1953, concerning Chief Joseph Mines Inc.

Apparently my statement that you were given termination blanks during your last visit to this office was incorrect. I thought I had. I do remember discussing the poor bulldozing results and that termination blanks had been given E. V. Boughton some time previously with the recommendation of field engineers that they be signed, thus terminating the contract by mutual agreement.

To refresh your memory on the status of the contract I should like to call your attention to the following events.

The property was visited on August 1, by field engineers who reported that bulldozing had been completed with negligible results. No work was being done on the property at that time.

On October 20, 1952, Mr. E. V. Boughton was contacted in Coeur d'Alene by Mr. Eric C. Erickson, U. S. Bureau of Mines. Mr. Boughton agreed that work done to date had been discouraging and that the contract should be terminated. He was given Mutual Agreement Termination notices to be signed by the operator and returned to this office. He promised to give the matter prompt attention.

I wrote your office on November 1, informing you that Mr. Erickson had given Boughton a set of Mutual Agreement Termination notices and that Boughton was to have returned those notices to this office signed. I mentioned in that letter that those notices had not been received. I also noted that Mr. Boughton would have to submit a final report on work completed before final settlement could be made on the contract.

At a later date, in early January I believe, although the date has been forgotten, you visited this office and these same details were again discussed.

On August 6, 1952, the contract was amended to extend the contract from three months to seven months, which would make the completion date November 21, 1952. No request was made by the Operator to extend this completion date.

In view of the greatly extended time in which the Operator has not reported any contract work--from early August to the present time--and in view of his reluctance to terminate the contract by mutual agreement, the Executive Officer had no choice but to terminate the contract in order that final closing out of contract business could be accomplished with the minimum of time.

Sincerely yours,

Thor H. Kiilagnard
Acting Member
DMEA Field Team, Region II

cc: DMEA (2)
USBM (2)
Fryklund

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

So. 157 Howard Street
Spokane 4, Washington

February 11, 1953

Mr. James W. Wayne
Chief Joseph Mines, Inc.
Room 325, Powell Building
Coeur d'Alene, Idaho

Re: Docket DMEA-1499X
Contract Idm-E297

Dear Mr. Wayne:

You will recall visiting this office several weeks ago and discussing the Chief Joseph Mines, Inc., exploration project contract. It was understood at that time, I believe, that bulldozing on the Chief Joseph property had failed to disclose a promising mineralized structure and that no further exploration appeared to be justified. You will recall that we discussed terminating the contract by mutual agreement and that you were given a number of blanks to be signed by the Operator to accomplish that purpose. Although considerable time has elapsed, these signed termination agreements have not been received at this office and we are therefore sending you at this time a notice of termination signed by the Executive Officer, Region II.

We are enclosing a form letter explaining how you should dispose of all equipment bought under contract terms and in which the Government has an equity. We also suggest that you submit invoices for any contract expenses for which the Government has not already paid its prorated share. With this information on hand we can proceed with the final auditing and closing out of the contract.

Sincerely yours,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2)
USBM (2)
Fryklund

Enclosures

Registered
Return Receipt Requested

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FEB 1 0 1953

February 11, 1953

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket DMEA-1499X
Chief Joseph Mines, Inc.
Contract Idm-E297

Dear Mr. Selfridge:

Attached are the original and two signed copies of a termination notice which has been sent to the subject Operator. A copy of the termination notice is being retained for our files and by a carbon copy of this letter we are distributing the Finance Officer's copy.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Attachment

cc: Finance Officer w/encl.
USBM (2)
Fryklund

cae
2-16-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
[redacted]
So. 157 Howard Street
Spokane 4, Washington

November 19, 1952

Mr. James W. Wayne
Room 325 Powell Building
Coeur d'Alene, Idaho

DMEA 1499

Dear Mr. Wayne:

I am sorry not to have written you at an earlier date; however, I was waiting to contact Erickson and Fryklund and have only managed to do so recently.

Mr. Erickson, Bureau of Mines, informs me that on October 2[illegible] he contacted Mr. E. V. Boughton, Manager of the Chief Joseph Mines, and discussed the exploration program with him. Both were agreed that work to date had been relatively fruitless and that it would not appear favorable to continue with additional exploration, at least on the scale specified in the contract. They agreed, I believe, that a larger scaled program might better develop your mine but that on the strength of present accomplishments coupled with what might be expected from work remaining in the contract, there is not too much to be expected.

Consequently, Erickson left with Boughton a set of termination by mutual agreement forms to be signed by a qualified company official. This form would terminate the contract by mutual agreement of the Operator and the Government. Mr. Boughton was to have forwarded these forms to this office after they had been properly signed. To date the forms have not been received.

Mr. Boughton stated that in addition to the forms he would submit a final report on the work accomplished which would include, among other things, sample data, assay reports, and maps. These data will be necessary before a final settlement may be made with the Chief Joseph operators.

Sincerely yours,

Thor H. Kiilsgaard
For: M. E. Volin, Acting Exec. Officer
DMEA Field Team, Region II

cc: DMEA (2)
USBM (2)
Fryklund

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

[redacted]
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1952

November 13, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket DMA-1499X (Tungsten)
Chief Joseph Mines, Inc.
Boundary County, Idaho
Contract Idm-E297.

Dear Mr. Johnson:

In regard to your letter received at this office on November 10, 1952, we are forwarding two copies of a narrative report submitted by the Operator for the month of July. Evidently copies of the narrative report were lost in transit to you.

Sincerely yours,

Thor H. Kiilsgaard
Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)
Kiilsgaard

Copy retained 400

C
O
P
Y

CHIEF JOSEPH MINES INC.

NARRATIVE REPORT ON WORK ACCOMPLISHED AS OF JULY 31, 1952

Work was commenced on the 27th day of June in this year of 1952.

The contractor, Mr. Frank Wells and his equipment operator, started moving his cat up the three mile hill to the mine location at 6:45 A.M. One mud hole and one wash-out had to be repaired enroute. Equipment reached the mine at noon. At this hour also a Mr. Reno of the U.S.G.S. arrived and made a short tour and investigation of work to be done.

Actual work started on a westerly cut about 3:00 P.M. This was not completed until the close of the next day. The last day of June and the first week in July no work done because of the heavy rains. These rains made the roads impassible.

Work was resumed on July 7, that day being used a great deal to build road about 700 feet around a rock ledge and up the hill to the next cut location. This was to have been approximately 100 feet East of the discovery pit. The overburden at discovery was from three to five feet, and the overburden at the cut was around twelve feet.

In attempting to make this cut it was found that the early miners had drifted about fifty feet into the vein, turned East and raised up about thirty feet, thus breaking thru the vein into the overburden. The bulldozer broke thru this stoped out area, but did not fall in. The next cut was tried on an extremely steep slope 150 feet east of the discovery pit, this developed a fifteen to twenty foot face of overburden and it was still four to six feet back to bed rock as near as could be determined. This determination was made by looking back thru another overburden cave.

The nature of the overburden seemed to be about eighteen inches to twenty four inches of a brown loam-silt with a few granite boulders, thence into an extremely hard greenish sandy clay with many granite boulders. The bed rock is extremely uneven. Five feet from an outcrop might be five or six feet of overburden, because of this it was not felt advisable to attempt any lateral stripping on the vein.

Progress seemed to be extremely slow so this writer made a trip to Wallace, Idaho to check the methods of the C.D.A. district operators against his own. After this comparison it was noted that we were using considerably lighter equipment than was used by the Wallace operators. We were using an International TD-14 and the Wallace people use TD-18's and Cat-DA-7's & 8's.

At the conclusion of the bulldozing operations a night was spent with a mineral-lite but no new showings were found. An attempt was made to hire day labor to open up some of the bedrock exposed by the dozing operations and open some of the old workings, but there is no labor available in the Bonners Ferry area. This writer was alone and therefore did not attempt to enter the old stope area. However the light was lowered into the stope but no fluorescence was visible from that distance. Approximately 14 samples must still be taken from the vein.

/s/ E. V. Boughton, Jr.

E. V. Boughton Jr.---Mgr.

cc:
USGS---6
Company files--1

FILE COPY
SURNAME:

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

Rutledge
Selfridge

NOV 10 1952

Mr. A. E. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMA 1499X - Tungsten
Chief Joseph Mines, Inc.
M. & F. Mine
Boundary County, Idaho
Exploration Contract Idm-3297

Dear Mr. Weissenborn:

The monthly report for July on the subject contract was received by this office October 28, 1952. No narrative description of the work accomplished accompanied the report, though one was referred to on the MF-104A form.

It would be appreciated if you would furnish us with two copies of this narrative report.

Sincerely yours,

(signed) FRANK E. JOHNSON
(NB)

Chairman, Operating Committee

11-10-52

FARutledge:lm
11/6/52

Approved:

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

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

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

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

1201 North Division St.
Spokane 2, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 3 1952

11/5/52

October 23, 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: Eric G. Erickson, Mining Engineer, Bureau of Mines

Subject: Interim report, Chief Joseph Mines, Inc., Exploration Project Contract, Boundary County, Idaho, Contract No. Idm-E297, Docket No. DMEA 1499X (tungsten)

Mr. E. V. Boughton, Jr., manager for the Chief Joseph Mines, Inc., was contacted in Coeur d'Alene, Idaho, October 20, 1952 and status of contract was discussed.

He was in agreement with DMEA Field Engineers' conclusion regarding the work done to date, namely dozer stripping and trenching that failed to disclose any new data. Due to the discouraging results he agreed the contract should be terminated.

I supplied him with a set of forms (Termination by Mutual Agreement), as previously discussed with Mr. Weissenborn and requested that he have the Operator sign all copies and submit them to Mr. A. E. Weissenborn, Executive Officer, Region II. He was urged to give the matter prompt attention which he promised to do.

Eric G. Erickson

Eric G. Erickson

Orig. & 3 - Wash.
USGS - 2
DMEA
M/D
EGE/vf

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

[redacted]
So. 157 Howard Street
Spokane 4, Washington

Department of the Interior
Defense Minerals Administration
OCT 20 1952

October 14, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Washington 25, D. C.

Re: Docket DMA-1499X (Tungsten)
Chief Joseph Mines, Inc.
M. & F. Mine
Boundary County, Idaho
Contract Idm-E297

Dear Mr. Johnson:

This is in reply to your letter dated October 9 in which you discussed the Chief Joseph Mine contract.

About six weeks ago we had a conference with the operators in which the project was discussed. The operators were informed that the Field Team would be glad to consider any plan for further work which they might submit. Further, they were informed that favorable consideration to any proposal would depend a good deal upon samples which the company was to take in the adit.

To date the company has not submitted the results of sampling nor have they submitted any additional proposal. Mr. Erickson will contact the company in the near future and inquire as to their intentions. They will be advised that if their proposal is not submitted in the near future, it will be necessary to terminate the contract.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
Fryklund

Copy retained 200
George C. Selfridge

FILE CO
SURNAME:

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

Rutledge
Sellers
Whitesides

OCT 9 1952

Mr. A. N. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMA 1499X - Tungsten
Chief Joseph Mines, Inc.
M. & F. Mine
Boundary County, Idaho
Exploration Contract Idm-E297

Dear Mr. Weissenborn:

Reference is made to the subject docket and especially to the recent routine inspection made by Verne C. Fryklund, Jr., U. S. Geological Survey, and the interim report by E. G. Erickson, U. S. Bureau of Mines, on the progress of the exploration project through phase 1 - Bulldozer stripping of vein outcrop.

The applicant originally proposed to bulldoze three 100-foot trenches across the vein outcrop at the locations shown on the attached map at a total cost of $200.00. These trenches were spaced to explore 800 feet of the vein outcrop.

Because the ore shoots to be explored are probably of short strike length, it was decided that more stripping of the vein was desirable. For this reason, the contract allowed 70 hours of bulldozer work at $10.00 per hour. The stripping was to be done along the vein outcrop and not at right angles as originally proposed. Approximately 1,000 feet of the outcrop was to be stripped.

The trenching to date was confined to the central 400-foot section of the vein in the immediate vicinity of the old workings. No new strike interval of the vein was explored and the trenches excavated did not expose the vein. Practically all of the trenching was located off of the probable outcrop zone. The small amount of work on the outcrop zone was not along the strike of the vein but intersected it at varying angles. The results of the trenching to date are nil.

The second stage of the contract was to consist of diamond drilling with location of the drill holes to be based on the results

of the trenching program and sampling of the underground workings. Since the trenching did not expose either the known ore shoot or extensions thereof, we concur with the field team's conclusion that the diamond drilling should not be attempted.

The alternate proposal of a small amount of drifting to the east from the lower adit is not recommended for the following reasons:

1. By the time the lower adit is rehabilitated and equipment secured, the funds remaining would be too small to actually accomplish any appreciable amount of exploration.

2. The field team report indicated only a small amount of tungsten mineralization was present in the lower level.

3. The applicant was not interested in underground work. He also stated his desire to keep the contract within the amount estimated - $8,000.00.

The final decision on whether additional work is warranted on this property is being left to your discretion.

Sincerely yours,

(signed) FRANK E. JOHNSON

(JHS)

Chairman, Operating Committee

J.H. 10-9-52

Enclosure

FARutledge:lm
10/6/52

Approved:

J. H. Hedges (JHS)

Member, Bureau of Mines

T. P. Thayer (JHS)

Member, Geological Survey

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

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

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 1952

Memorandum

To: DMEA Field Team, Region II

From: Verne C. Frykland, Jr., Geologist, U. S. Geological Survey

Subject: Routine inspection of Chief Joseph mine, Docket No. DMEA-1499 - Tungsten, Contract Idm-1297, Boundary County, Idaho.

I visited the mine August 25, 1952. No one else was at the property. Apparently the company feels that the bulldozing phase of the contract is complete. I understand from Erickson, Bureau of Mines, that they are trying to get a diamond driller for the drilling portion of the contract.

The bulldozing was completely unsuccessful in finding any extension of the scheelite-bearing quartz vein. As shown on the accompanying map, the very modest amount of bulldozing was done in areas where the presence of the vein was already known because of the old workings. In addition, none of these trenches cut the vein. A large amount of work was done at each of the portals of the property. According to Erickson the company said that 10 bulldozer hours were spent on noncontract work. The positions of the trenches are such that even if they had cut the vein, there would have been no additional information about the property.

None of the bulldozing was done looking for extensions of the vein out of the known area. I had thought that bulldozing was to find extensions, east and west, of the known portion of the vein and that the depth extension of the newer parts of the vein would be tested by drilling. It now appears that the company wishes to drill in the same area where old workings have already tested the vein about 150 vertical feet. They have as yet not proposed their hole locations but nowhere in the area that has already been explored is there any suitable target for drilling.

According to the company's monthly report, which claims to have done $700.00 worth of trenching, they plan on taking 14 samples at the property. Some of these samples will be taken in the lower adit; where else they could possibly take them I don't know. If these samples, particularly a face sample, show 1 percent WO_3, I would suggest that the remaining money be spent on drifting to the east. If the samples do not approach 1 percent, I suggest that the contract be terminated on the basis of little geological probability of making a discovery. We could, perhaps, make a good case for inefficiency on the basis of where they did the little trenching that was done.

Verne C. Frykland, Jr.
Geologist

enclosure

cc: DMEA (4) ✓
USBM (2)
Frykland

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

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

9/30/52

September 24, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMA 1499X - Tungsten
Chief Joseph Mines, Inc.
Chief Joseph Claim No. 1
Boundary County, Idaho
Exploration Contract Idm-E297

Dear Mr. Johnson:

This will acknowledge your letter of September 22, 1952, in which you point out that no specific justification for Amendment No. 2 of the subject contract was stated either in the amendment or in the accompanying letter, and that, although you can accept the inferred justification where the extension naturally was dependant upon the starting date which was extended under Amendment No. 1, in future contracts you would still appreciate having a definite justification either stated concisely as part of the amendment or attached thereto if a more lengthy statement is required. We are sorry that we slipped on Amendment No. 2 to the Chief Joseph contract and in the future we will attempt to see that justifications are included even where they are obvious.

Sincerely yours,

A. E. Weissenborn
emr

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM(2)

Copy retained 400

FILE COPY 400
SURNAME:

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

Jas

For Rutledge
Martin
Selfridge
Attention

SEP 22 1952

Mr. A. E. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMA 1499I - Tungsten
Chief Joseph Mines, Inc.
Chief Joseph Claim No. 1
Boundary County, Idaho
Exploration Contract Idm-2297

Dear Mr. Weissenborn:

This will acknowledge your letter dated September 2, 1952, enclosing the original and two copies of Amendment No. 2 to the subject contract. Although no specific justification for this amendment is stated either in the amendment or the accompanying letter, we can accept the inferred justification since the extension of the completion of the project naturally was dependant upon the starting date which was extended under Amendment No. 1.

In future amendments to DMEA contracts, however, it would be appreciated if you could arrange to have definite justification for each either stated concisely as part of the amendment or attached thereto if a more lengthy statement is required.

Sincerely yours,

F.H. 9.22.52

(signed) FRANK E. JOHNSON

Chairman, Operating Committee

FARutledge'lm
9/12/52

Approved:

J. H. Hedges

Member, Bureau of Mines

E. P. Thayer

Member, Geological Survey

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. II
Operating Committee
W. S. Martin
F. A. Rutledge

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

So. 157 Howard Street
Spokane 4, Washington

September 2, 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Subject: Amendment No. 2 to exploration project, Contract Idm-E297, Docket No. DMEA-1499X (tungsten), Chief Joseph Mines, Boundary County, Idaho

Dear Mr. Johnson:

Reference is made to your letter of August 4, 1952.

Attached is the original and two copies of Amendment No. 2 extending the completion period from 3 months to 7 months from the date of the contract.

Enclosed for your information are two copies of a letter dated August 6, 1952, to Mr. Heinrich, operator of the subject company.

Sincerely,

A. E. Weissenborn
A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures

cc: USBM

RECEIVED
SEP 12 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

SLS
9-8-52

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

So. 157 Howard Street
Spokane 4, Washington

August 6, 1952

Mr. C. A. Heinrich, President
Chief Joseph Mines, Inc.
Room 325, Powell Building
Coeur d'Alene, Idaho

Re: Contract Idn-8297
Chief Joseph Mine

Dear Mr. Heinrich:

It has been brought to our attention that when Amendment No. 1 was prepared extending the starting date of work to be performed on subject contract, no provision was made for extending the completion date.

In order to correct this situation, Amendment No. 2 is attached. If this meets with your approval, would you please sign all copies; retain the copy marked "Operator's Copy" for your files and return the remainder to this office.

We are sorry for this oversight and hope it will not cause you any undue inconvenience.

Sincerely yours,

M. E. Volin
Acting Executive Officer
DMEA Field Team, Region II

Enclosure

cc: USBM (1)
DMEA (2)✓
V. C. Bryldlund, Jr.

SEP 2 1952

M. E. Valin, Member, DMEA Field Team, Region II August 20, 1952

E. G. Erickson, Mining Engineer, Bureau of Mines

Interim Report, Docket No. DMEA 1499X (tungsten), Ida-E 297,
Chief Joseph Mine, Boundary County, Idaho

The captioned property was visited August 19, 1952, by myself and Mr. Dean Holt of the Bureau of Mines.

No work was being performed on the property at the time of visit nor was the Operator or anyone present.

The dozer work accomplished to date which is the initial work under the contract was inspected and a rough sketch made showing approximate location of cuts in relation to vein and old workings. (See attached sketch).

The dozing failed to disclose the main vein in place in any of the cuts made. Summary of cuts follow: ¶ Cut No. 1 made lower adit accessible. At time of visit earth dam at new portal held back water in the drift which could be easily drained. We did not release water as it was thought the Operator might be storing it for future use.

Cut No. 2 disclosed a 2-foot quartz vein that may be a split off main vein or a dislocated segment.

Cut No. 3 failed to open old crosscut. Disclosed some quartz that may be a split of main vein of dislocated segment.

Cut No. 4 does not disclose the main vein in place.

Cut No. 5 encountered top of old raise or stope; does not disclose the main vein in place.

Cut No. 6 failed to make old drift accessible and did not get down to vein in place.

CONCLUSIONS

Disclosures by dozer work to date do not in my opinion justify the drilling set forth in the contract. It is estimated that about 700 feet of drilling is all that could be accomplished for money set up for drilling at the present per foot rates for drilling similar jobs. This would mean about 3 holes which would give questionable results.

It is recommended that the lower adit be drained enough to allow examination of face of drift or drifts. (Note: dump rock indicates that some drifting was done). Should the drift face or faces justify exploration they should be advanced with the remaining funds. If they can be rehabilitated for $1,000 or less, remaining funds would be ample to do at least 100 feet of drifting.

Mr. V. Frykland, USGS, geologist stationed at Mullan, Idaho, was informed by phone August 20, 1952, of the status of contract and advised to visit property as soon as his schedule would allow.

E. G. Erickson

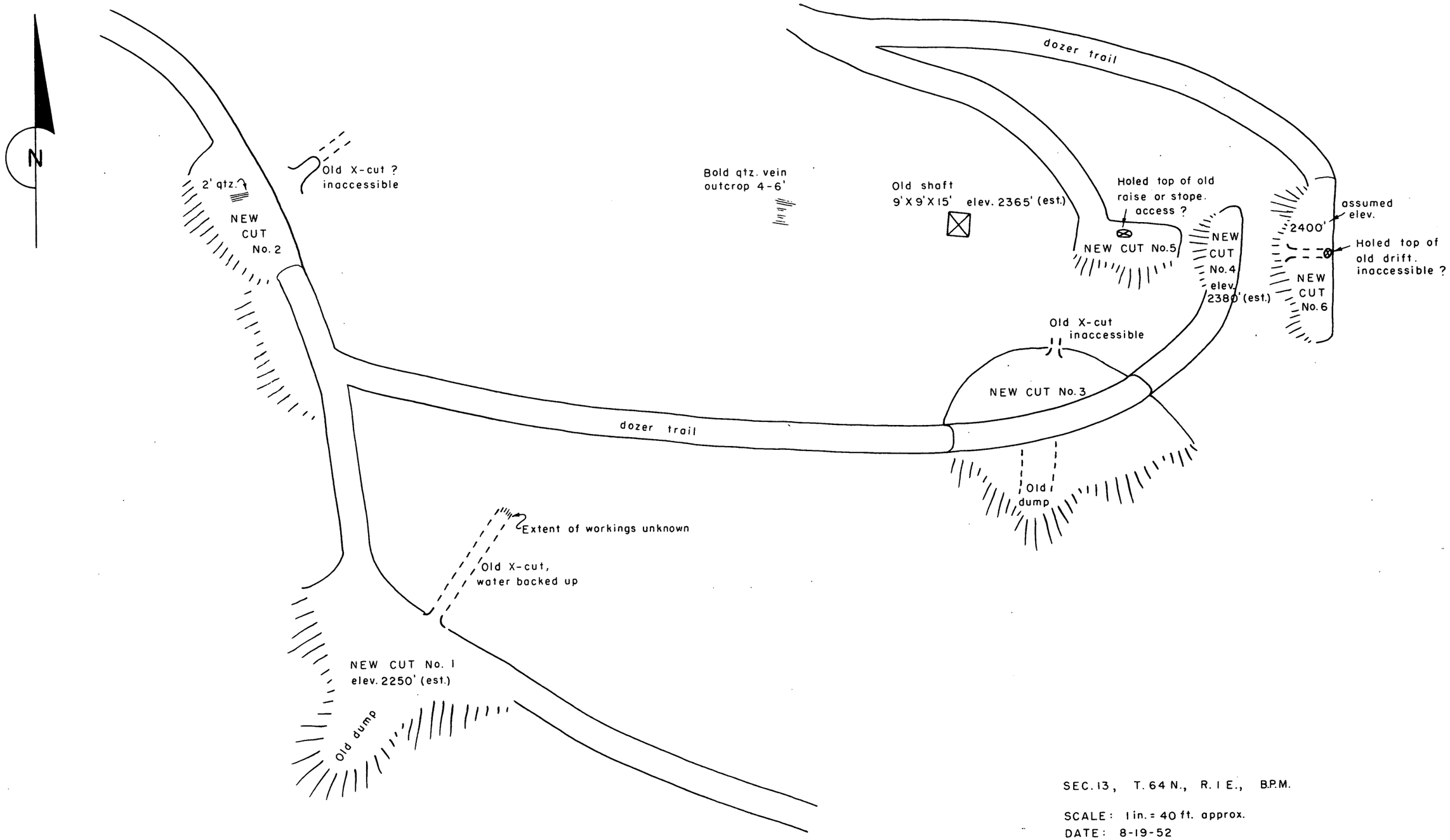
CC: 4-Wash
2-USGS
EGE

U. S. Department of the Interior

Docket No. DMEA 1499 X

Idm-E 297

Tungsten



SEC. 13, T. 64 N., R. 1 E., B.P.M.

SCALE: 1 in. = 40 ft. approx.
DATE: 8-19-52
ENG'R: E.G.E.

Sketch, surface trenching, Chief Joseph Mine, Boundary County, Idaho

400

FILE COPY
SURNAME:

Martin
G. Selfridge

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

AUG 4 1952

Mr. A. E. Weissenborn
Executive Officer, DMEA Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMA 1499-X - Tungsten
Chief Joseph Mines, Inc.
Chief Joseph Claim No. 1
Boundary County, Idaho

Dear Mr. Weissenborn:

This will acknowledge your letter dated July 18, 1952, enclosing original and two copies of Amendment No. 1 for the subject contract.

Although the above Amendment No. 1, as now worded, changes the starting date of work under the same contract from within 30 days of April 21, 1952, to within 30 days of June 15, 1952, it oes not extend correspondingly the date of completion.

It is suggested, therefore, that a second amendment, specifying that the Operator shall bring the project to completion within seven months of the date of the contract, be submitted to the Operator for his approval.

Sincerely yours,

(signed) FRANK E. JOHNSON (JHB)

J.H. 8-4-52

Chairman, Operating Committee
Defense Minerals Exploration
Administration

WSMartin:ls
7/30/52

Approved:

J. H. Hedges

Member, Bureau of Mines (JHB)

D. M. Lemmon

Member, Geological Survey (JHB)

cc: Docket
Admn. Read. File
Field Team, Region 2
G. C. Selfridge
W. S. Martin
Operating Committee
D. M. Lemmon, USGS
R. W. Geehan, USBM

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

So. 157 Howard Street
Spokane 4, Washington

July 18, 1952

Mr. Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: Chief Joseph Mines, Inc.
Boundary County, Idaho
Contr. No. Idm-E297,
Docket No. DMEA-1499X -
Tungsten

Dear Mr. Johnson:

Attached is the original and two copies of Amendment No. 1 for above-referenced contract, which extends the starting date of the contract.

This delay was necessitated because of the applicant's difficulty in obtaining equipment for exploration purposes.

Very truly yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure
As above (in trip.)

cc: USBM w/incl. in dup.

SDS
7-22-52

FILE COPY
SURNAME:

Adams

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

JUL 3 1952

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 8, Washington

Re: DMEA 1499X - Tungsten
Chief Joseph Mine

Dear Mr. Weissenborn:

This will acknowledge your letter dated June 24, 1952 regarding the Chief Joseph mine, Docket No. DMEA-1499X, Contract Idm-M297.

Apparently what happened regarding this contract was, that of the six copies sent to you for signature of the operator, your copy did not have the contract date of April 21, 1952 while all other copies of the contract were so dated.

Under the circumstances it is advisable that the date of April 21 remain the date of contract, and your copies should be dated accordingly.

The operator should also be notified that the contract date is April 21, 1952.

Sincerely yours,

C. O. Mittendorf (for)

Acting Administrator

P.N. 7-3-52

REAdams:pa 7/3/52

cc: Admn. Reading File
Mails & Files
R. W. Geehan, USBM
D. M. Lemmon, USGS
G. C. Selfridge

BL

6/30

Mr. Selfridge:

This 6/24 letter was meaningless from our contract file. On getting the docket I note Mr. Adams wrote the previous letters re the contract date, so perhaps he will handle reply to this 6/24 letter.

Mr. Weissenborn's files on the case apparently need to be assembled for:

5/23 - W phoned he forgot to date contract - please make it 6/1/52.
5/28 - W confirmed his phone advice by letter.

5/29 - Adams wrote W that all dates are filled in on our copies of contract - so if any dates to be changed, such change must be by amendment.
6/3 -- Adams sent teletype to W with same information.

6/24 - W wakes up, answers the 5/29 letter and says - please tell me what is the date of the contract and I'll change my copy and that of Operator.

In a few days he may discover receipt of the teletype.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

June 24, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 30 1952

Mr. C. O. Mittendorf
Acting Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

I regret not having answered before this date, your letter of May 29 re the Chief Joseph mine, Docket No. DMEA-1499X, Contract Idm-E297, tungsten.

On our copy of the contract, the agreement date on the first line of the contract was left blank, and it was here that we filled in the first day of June, 1952. It evidently was a coincidence that the date had not been filled out on our copy of the contract and had been filled out on yours. If you will advise us, we will change the date on ours accordingly.

Sincerely yours,

no April 21, 52

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM

M. E. Volin, Member, DMA Field Team, Reg. II June 30, 1952

H. T. Reno, Mining Engineer, Bureau of Mines

Initial inspection, Contract Idm-E297, Chief Joseph Mining Co., Boundary County, Idaho, Docket No. 1499X (tungsten)

I went over the work with the engineer, E. V. Bouten, on June 27, 1952.

The project consists of stripping, sampling and then diamond drilling to explore a mineralized contact zone. The contract allows 70 hours of work with a bulldozer to do the stripping.

At the time of my visit the bulldozer had just reached the vein zone and had done no stripping. It appears as if the time allowed for stripping will not be sufficient to completely expose the vein. It was suggested that cross trenches spaced 25 to 50 feet apart should be excavated over the apparent strike length and then that the more favorable areas should be completely stripped as time allows.

H. T. Reno

Orig. to files
cc: USGS (2)
Wash. (2)
HTR

JUL 7 1952

Adams

DEFENSE MINERALS EXPLORATION ADMINISTRATION

2017 4070

1420137
Salaries and Expenses, Defense Production Activities, Interior, 1952
6-3-52
10:45 a.m.

A.E.Weissenborn - Region II, South 157 Howard St., Spokane 8, Wash.

Docket No. DMEA-1499X, Contract Idm-E297, Chief Joseph Mine

REFERENCE TO ABOVE-SUBJECT CONTRACT IDM-E297. IN ACCORDANCE WITH SUGGESTION IN MY LETTER MAY 29, PLEASE ISSUE AMENDMENT CHANGING DATE OF CONTRACT.

C. O. Mittendorf (for)

ACTING ADMINISTRATOR

READams/meb
6-3-52
cc to: Adm.Reading File
Mails & Files Br.
Files
Audits Division

2071

FILE COPY
SURNAME:

200

Adm.
Unit

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

Mr. A. E. Weissenborn
Executive Officer
Region II
South 157 Howard Street
Spokane 8, Washington

Dear Mr. Weissenborn:

Reference is made to our telephone conversation of May 23, 1952 regarding Docket No. DMEA-1499X, Contract Idm-E297, Chief Joseph Mine. It was my understanding that you inadvertently forgot to date the contract in accordance with instructions, and ask that we insert the effective date as June 1, 1952.

On reviewing the four copies of contract which we received in this office on May 26, the agreement date, the commencement time, and time allowed for completion of the contract spaces were all complete. We are therefore at a loss to understand where the "June 1, 1952" should be inserted. Since all 6 copies of the contract were signed by the operator with the agreement date, the commencement time, and duration time of contract spaces complete, it is suggested that if any changes are to be made in this contract it be accomplished by amendment.

Sincerely yours,

C. O. Mittendorf (for) 5/29

Acting Administrator
Defense Minerals Exploration
Administration

READams/meb
5-28-52
cc to: Adm. Reading File
Mails & Files Br.

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

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
JUN 2 1952

May 28, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: A. E. Weissenborn

Subject: Dating of Contract Idm-E297, DMEA-1499, Tungsten, Chief Joseph Mines, Inc., Boundary County, Idaho.

Confirming our telephone conversation of Friday, May 23, the above mentioned contract is to be dated June 1, 1952. The Operator has also been requested to date his copy in this manner.

A E Weissenborn KG
A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

~~FILE COPY~~
SURNAME:
400

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

Memorandum May 23, 1952

To: Mr. R. E. Adams
Administrative Officer

From: C. O. Mittendorf
Acting Administrator

Subject: DMEA-1499X - Contract Idm-E297 - Chief Joseph Mine

Al Weissenborn reports, by phone, that he has obtained the operator's signature on six copies of the contract forwarded to him, and he has returned four copies to us. He just notes, however, that he forgot to date the contract in accordance with the instructions, and he asks that we insert the effective date as June 1, 1952.

C. O. Mittendorf (fw) 5/26

COMittendorf/fw

cc: Admr Reading File
Mails & Files

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

BL

May 17, 1952

MEMORANDUM

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: A. E. Weissenborn, Exec. Officer, DMEA Field Team, Region II

Subject: Contract Idm-E297, Docket No. DMEA-1499X, Tungsten, Chief Joseph Mines, Inc., Room 325, Powell Building, Coeur d'Alene, Idaho.

The original and three copies of the above-listed contract duly signed by the Operator are attached. One copy has been retained for our files and one has been given to the Operator.

A E Weissenborn
A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM, Spokane

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 26 1952

818

FILE COPY
SURNAME:

Selfridge

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

APR 21 1952

Mr. A. E. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMA 1499X - Tungsten
Chief Joseph Mines, Inc.
Chief Joseph Claim No. 1
Boundary County, Idaho

Dear Mr. Weissenborn:

We are enclosing the original and five copies of the above-referenced exploration contract signed by this office for the Government, together with Exhibit "A", two pages, and one map.

If the terms and conditions of this contract are satisfactory to you and the Operator, all six copies should be signed by a duly authorized official of the corporation. The Operator's copy is to be given to the Operator, the Field Team's copy retained by your office, and the original and three copies returned to this office.

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

Please note that the following major changes have been made in the contract as originally outlined:

(1) The item for bulldozing trenches has been increased.

(2) The item for supervision and sampling has been increased.

The above changes have increased the total estimated cost of the project from $6,500 to $7,440.

GCSelfridge:ls 4/17/52

Copy to: Docket 1499
Admn. Reading File
G.C.Selfridge
Field Team, Reg. 2
R.W.Geehan, USBM
D.M.Lemmon, USGS
Operating Committee
J.L.Chambers
Enclosures

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
~~Acting Administrator~~
Defense Minerals Exploration Administration

J. H. Hedges
For Bureau of Mines

E. P. Thayer
For Geological Survey

J.N. 4-21-52

FILE COPY
SURNAME:

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

Brewer
Selfridge
Jackson

March 24, 1952

Memorandum

not stripped in R & R.
4-10-52

To: Mr. John L. Hofflund

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

Subject: Contract for review and final preparation
Docket No. DMA 1499X - Tungsten
Chief Joseph Mines, Inc.
Room 325, Powell Building
Coeur d' Alene, Idaho

1. A rough draft of the contract is attached hereto.

2. The amount of the loan is $7,400.00 of which the Government's share is 75 per cent, or $5,580.00.

George C. Selfridge

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

Attachments

QLBrewer'lm
3/24/52

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

Sel

ASS OF SERVICE

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

WESTERN UNION

W. P. MARSHALL, PRESIDENT

1201

(08)

SYMBOLS
DL=Day Letter
NL=Night Letter
LT=Int'l Letter Telegram
VLT=Int'l Victory Ltr.

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

PRA160

1952 MAR 20 PM 5 21

PR.SKA699 PD=COEURDALENE IDA 20 201P=

C O MITTENDORF, ACTING ADMINISTRATOR=

DEFENSE MINERALS EXPLORATION ADMN WASHDC=

REFER DMA DOCKET 1499 CHIEF JOSEPH MINES INC. IDAHO CORPORATION=

JAMES W WAYNE=

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 21 1952

DMA 1499=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

C. O. MITTENDORF

FILE COPY
SURNAME:

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

DEFENSE MINERALS EXPLORATION ADMN.
1420137 - Salaries and Expenses, Defense Production Activities, Interior, 1952

Brewer
Selfridge

TELEGRAM

March 20, 1952

CHIEF JOSEPH MINES, INC.
c/o JAMES W. WAYNE
ROOM 325, POWELL BUILDING
COEUR d' ALENE, IDAHO

RE DOCKET NO. DMA 1499. PLEASE WIRE STATE IN WHICH COMPANY IS INCORPORATED.

C. O. Mittendorf (for) 3/20

C. O. MITTENDORF
ACTING ADMINISTRATOR
DEFENSE MINERALS EXPLORATION
ADMINISTRATION

QLBrewer:lm
3/20/52

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

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

March 18, 1952

Memorandum

To: G. C. Selfridge, DMEA

From: R. W. Geehan, Bureau of Mines

Subject: Revised Exploration Proposal
Chief Joseph Mines, Inc.
Tungsten Hill (M & F) Claims
Boundary County, Idaho

DMA 1499
Tungsten

In accord with the field team, I recommend approval of the loan to cover bulldozing to the eastern part of the area, and subsequent drilling, to be determined by results of the bulldozing.

Robert W. Geehan
Robert W. Geehan

Contract drafts sent Mrs Crawford for Hoffland
3/24 [illegible]

3/5

Mr Lemmon

Hermitage DMA 1499 - Douglas
Chief Joseph Mine.
Coeur d'Alene Idaho.

This application came in May 31 - '51 - was noted by Thorpe on 9/13 - 51 - & referred to Field. Field Report came in July - but was an old report by Hobbs in 1942 -

Holderer OK'd for loan Sept 20th, but held back drawing contract pending information on adequacy of Applicant to manage property - Letter from Applicants Attorney was "lost" in Attorney's file until jarred loose by Mennenson following a letter from DMEA in January - We now have data dated Oct 4, but rec'd Oct 12 -

Our recent review preparatory to proceeding with contract brought out disconformance of recorded geology (& other reports besides Hobbs) and proposed work. hence wrote Al re: Changing work to fit known Geology and, doing more surface work -

His answer OK's change in plan and leaves contract forming up to us (essentially) but staying within financial limits -

Your opinion, in light of all facts, now herein, will be appreciated -

Applicants financial resources, not presently in question but we are letting Al notify them
Received & approved OPS

Rec'd 3/13

Geo S.
by O L Brewer

3/5

Mr. Geehan

Sona 1499-Woj

herewith complete file, incl Geehan's opinion.

This is OK for Contract, not to exceed $8,000.00 (applicant request) to cover 1000' bulldozing & entrap, and 1000' diamond drilling -

(I think we should squeeze in some assays from old ddh's, too)

Your opinion is requested

Also sketch map, by me, and letter of Feb 19 to Robb

C F Brewer

3/14

IN REPLY REFER TO:

G-MD-DML

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

March 12, 1952

Memorandum

To: George C. Selfridge, DMEA

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

Subject: Revised exploration proposal DMA 1499 - Tungsten
Chief Joseph Mines, Inc.
Room 325 Powell Bldg.
c/o James W. Wayne
Coeur d'Alene, Idaho

Property: Tungsten Hill (M and F) claims
Sec. 13, T. 64 N., R. 1 E.
Boundary County, Idaho

The current proposal to limit bulldozing to the eastern part of area and to drill 3 holes beneath the surface ore shoot is probably all right if it is what the applicant wants. If the property were mine, I would certainly enter the lower adit and drift about 200 feet east from the face, now 385 feet from the portal, rather than try to find ore by drilling 3 holes from the surface depths beneath the adit.

The original description by Livingstone (1919), on which are based most other descriptions, stated that the ore was 100 feet long at the surface and 7 feet wide. Any diamond drilling should be sufficiently intensive to hit a body of this size.

Dwight M. Lemmon

Do we have survey memo on this?

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 3 - 1952

February 26, 1952

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

Re: Docket No. DMA 1499X-Tungsten
Chief Joseph Mines, Inc.
Room 325, Powell Building
c/o James W. Wayne
Coeur d'Alene, Idaho

Dear Mr. Mittendorf:

The following discussion covers the points raised in your letter of February 19 regarding the above docket.

Point 1: It is agreed that the best showings are to the east of the tunnels and the operator is willing to concentrate the bulk of the exploration effort in this vicinity.

Point 2: The drilling as outlined in the contract was obviously wrong. The error resulted from a change of plans, but failure to change the maps. We recommend that any drilling to be done be reserved for step 2 of a work plan and the location of the holes be dependent upon results of bulldozing.

Point 3:--(a & b) As mentioned in point 2, the setup and target for drilling will be determined by results of bulldozing. As a general principle we suggest extensive bulldozing of the vein for about 400 feet east from the upper adit--either along its strike or across it at rather closely spaced intervals. Approximately 1,000 feet of bulldozing should be a liberal estimate of what might be needed to do the exploring.

If the bulldozing indicates a possible ore shoot or shoots, the downward extension of the shoot may be tested by drilling, but the spacing of the drill holes should be close and not aimed too far below the present levels or even at the elevation of the lower level if to the east beyond the present openings.

The applicant wishes to keep his program within the amount of money requested. The above program will allow approximately 1,000 feet of bulldozing and 1,000 feet of diamond drilling. Drifting on the vein may be desirable, but would be more costly.

We trust that this information will be what you need to complete your appraisal. All of the above changes in program have been discussed and approved by the applicant.

Sincerely yours,

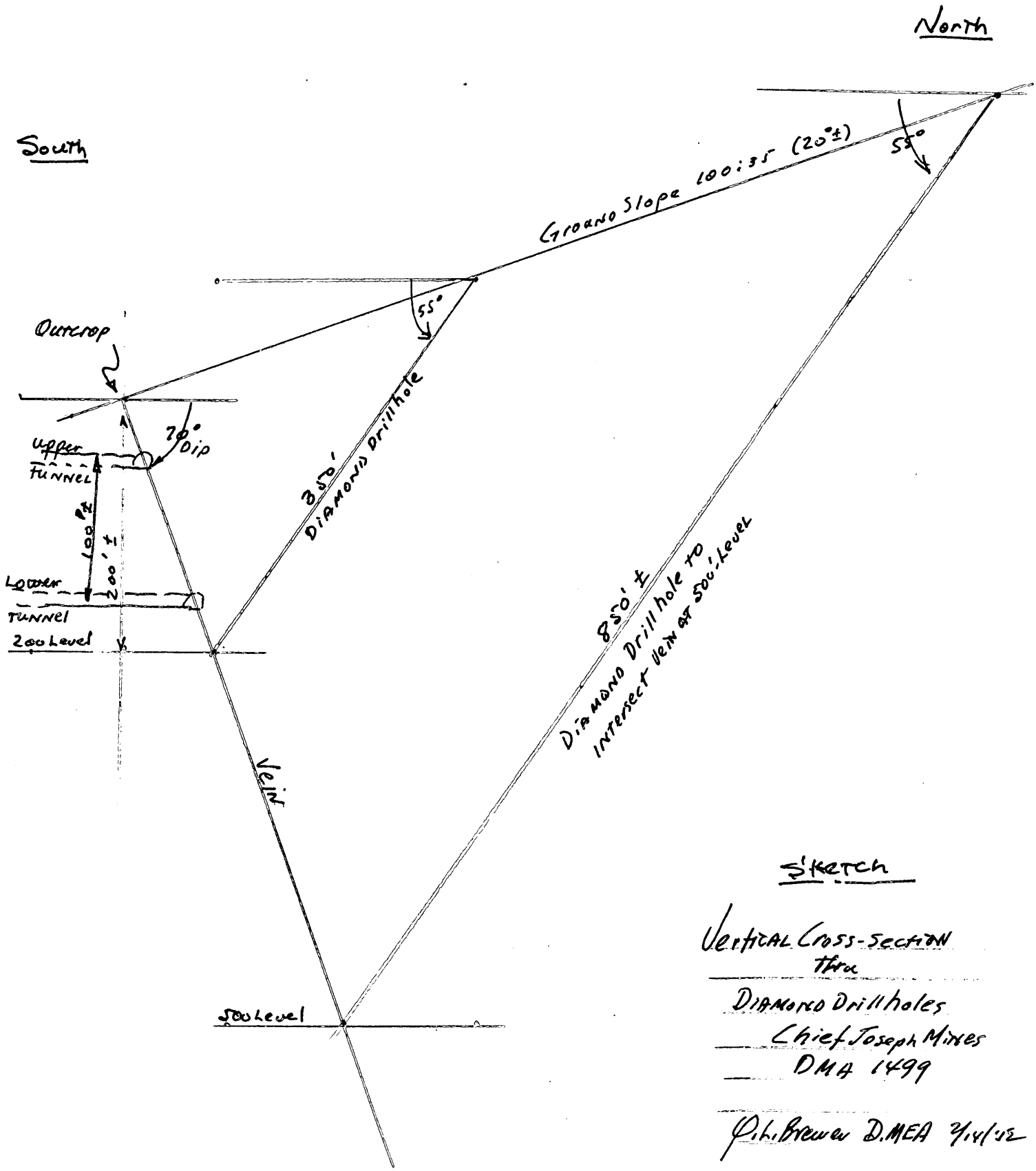
S. Warren Hobbs

S. Warren Hobbs
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

c.c. USBM - Spokane.

P. S. The enclosed description of the M. & F. property, with the sketch map, is being returned herewith.

Enclosures. Enclosures are attached to the application.



SKETCH

Vertical Cross-Section thru

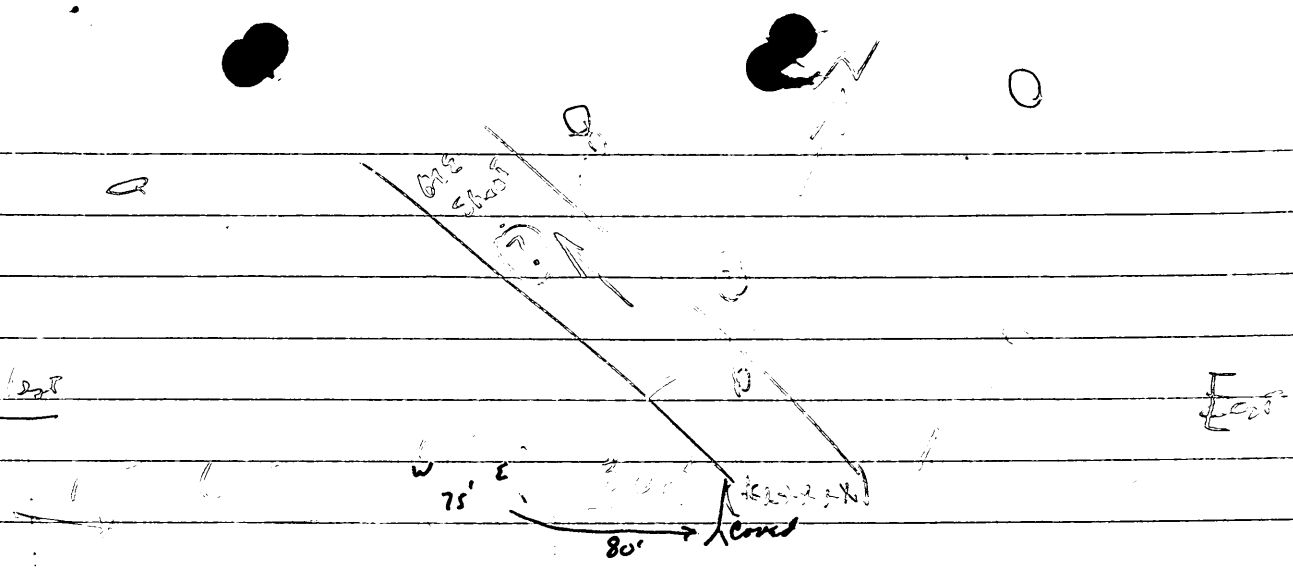
Diamond Drillholes

Chief Joseph Mines

DMA 1499

P.H. Brewer D.MEA 2/14/52

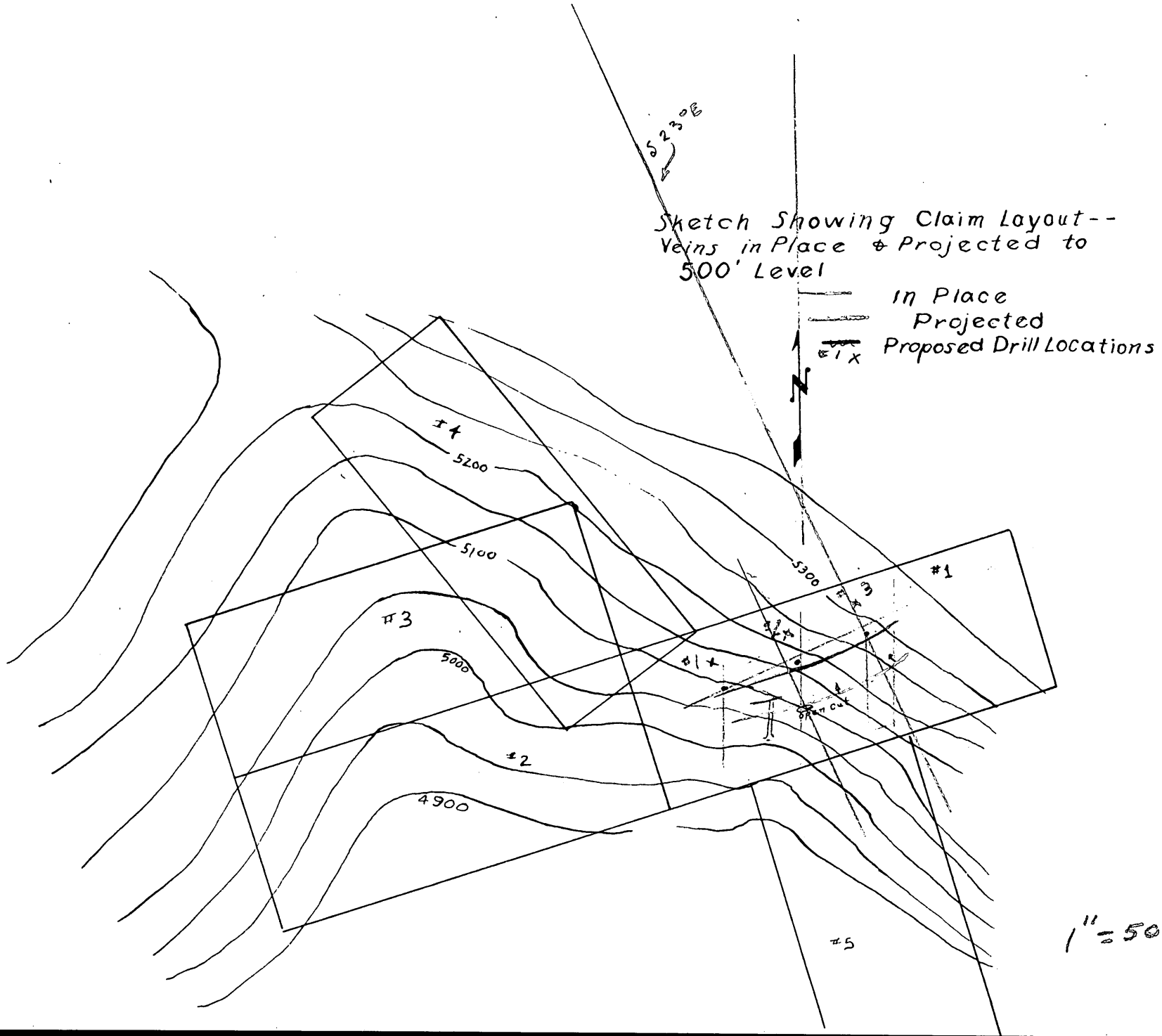
1" = 200'



(Sketch of workings from written reports)

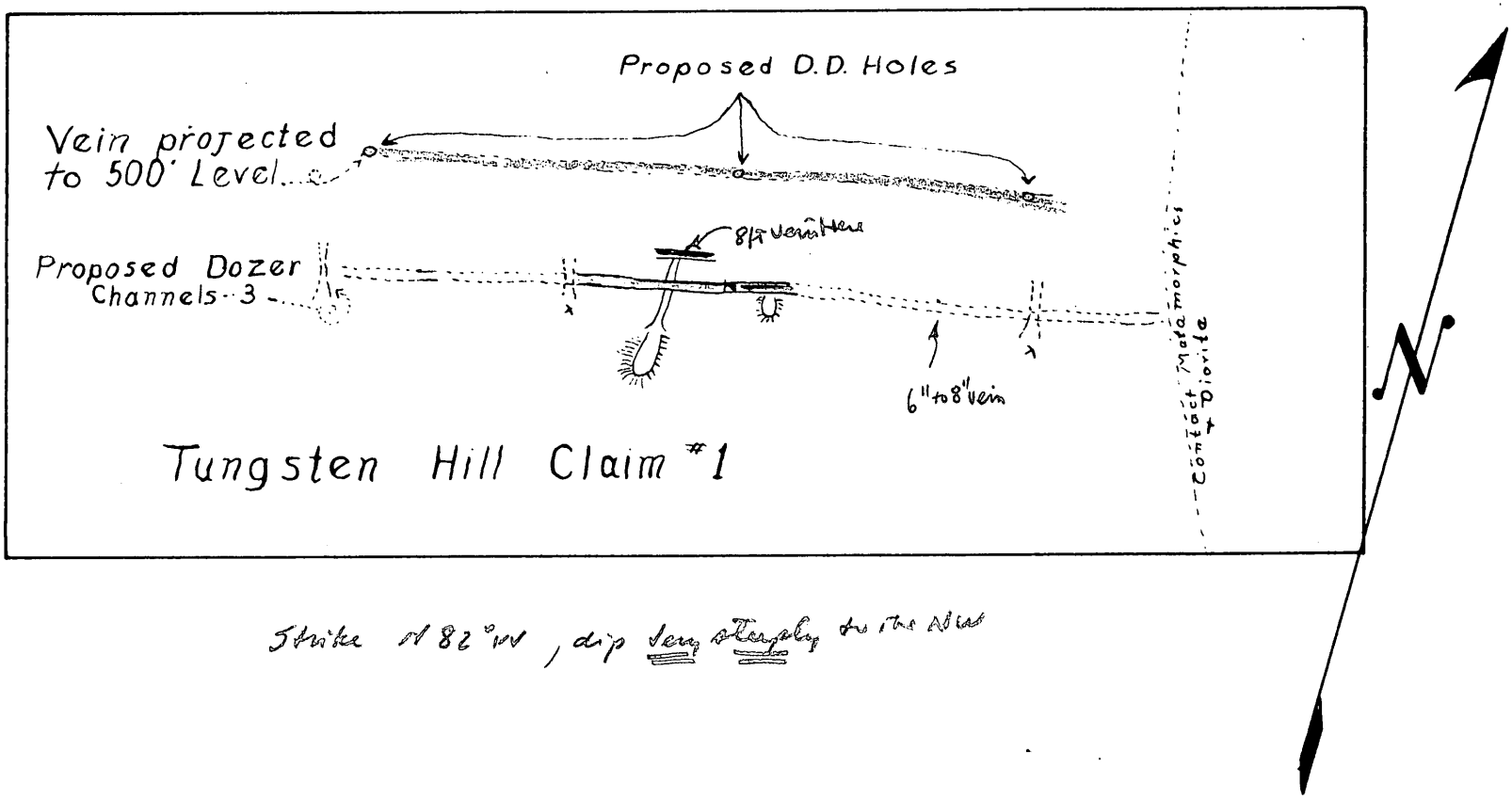
Hobbs (1942) describes ore shoot possibly lying East of the East face of the upper tunnel ~~and~~ (top, page 3) also, basing results by lumping mine at east face of lower tunnel, 100 feet lower in elevation.

Kirkham + Ellis (1926) reported (P60) on this property, stating—
" a still longer tunnel ~~the lower tunnel~~ " but is west of the ore shoot"


S 23° E
Sketch Showing Claim Layout--
Veins in Place & Projected to
500' Level
In Place
Projected
Proposed Drill Locations
N
#4
5200
5100
#3
5000
#2
4900
5300
#1
#5
1" = 500'

CHIEF JOSEPH MINES

Tungsten Hill Claim #1 Showing Existing and known Vein, Projected Vein and Proposed Prospecting. By Proposed Work it is Intended to Prove 225,000 Units of WO_3



Strike N 82° W, dip very steeply to the N W

1" = 200'

FILE COPY
SURNAME:

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

Meyer
Selfridge
Mott

FEB 19 1952

Mr. A. E. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMA 1499X - Tungsten
Chief Joseph Mines, Inc.
Room 325, Powell Building
c/o James W. Wayne
Coeur d'Alene, Idaho

Dear Mr. Weissenborn:

The recently requested data in regard to Mr. E. V. Boughton has been received and approved.

Examination of the proposed project, with attendant maps and reports, indicates that there are several discordant points which should be discussed.

1. Localization of possible ore. The 1926 report by Kirkham and Ellis (2 copies enclosed) notes that the lower tunnel workings are "west of the ore shoot" and Hobbs (1942) relates, in effect, that in the upper tunnel a possible ore shoot lies to the east of the east face, and that in the lower tunnel only the east face shows good indications. These two reports indicate that the search for ore should be made in that portion of the vein lying east of the two tunnels.

2. The contract prepared in your office gives no starting position for the 3 diamond drill holes, although giving the direction (south), the length (350 feet) and the inclination (55 degrees). The map accompanying the application gives the surface contours and notes (indirectly) that the vein, as projected to the 500 foot level is to be intersected by the diamond drill holes, an obviously impossible proceeding. A rough vertical cross-section through the diamond drill holes (sketch enclosed) shows that a 350 foot hole, dipping at 55° would intersect the vein 200 feet, more or less, below the outcrop (slightly

below the lower tunnel level, as near as may be ascertained). The dip of 70° N. is cited in Kirkham and Ellis. Likewise, it is observed that an 850-foot hole would be required to intersect the vein at the 500-foot level.

3. From the foregoing items, it seems obvious that the project should be reconsidered as to:

(a) The furnishing of additional data detailing the positioning of the drill holes and noting the target sought. This should reflect due consideration of the reported geology.

(b) The revising of the project to cover more initial bulldozer work along the outcrop with subsequent drifting to the east in both the upper and lower tunnels.

We will proceed further with this application upon receipt of your conclusions on the foregoing.

Sincerely yours,

C. O. Mittendorf (for) E.L.

Acting Administrator
Defense Minerals Exploration
Administration

Enclosures

QLBrewer'lm
2/15/52

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

February 7, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 12 1952

Mr. C. O. Mittendorf,
Acting Administrator
Defense Minerals Exploration Administration
Department of Interior
Washington 25, D. C.

Re: Docket No. DMA 1499
Chief Joseph Mines, Inc.
Boundary County, Idaho

Dear Sir:

Enclosed is a letter concerning the competence of the applicant, Mr. E. V. Boughton, Jr., of Chief Joseph Mines, Inc. Also enclosed is a letter from Mr. James W. Wayne, Attorney for Chief Joseph Mines, Inc., transmitting Mr. Boughton's letter to this office. Mr. Boughton, who will direct the proposed exploration program of Chief Joseph Mines, Inc., appears to have considerable experience in the mining profession. A conversation with Boughton gave the impression that he is entirely competent to manage such an operation.

We are sorry at the delay in presenting this material to your office. We wrote the applicant for the required information September 28, and have since been informed that Boughton answered the letter promptly enough but that the letter was misfiled in Mr. Wayne's office. It was only after a series of telephone calls with the applicant that we were able to obtain the enclosed data.

If further information is required, please advise.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures.

JAMES W. WAYNE
ATTORNEY AT LAW
320-321 POWELL BUILDING
COEUR D'ALENE, IDAHO

February 5, 1952

Mr. Thor Killsgaard
Geological Survey
U. S. Interior Department
South 157 Howard Street

Dear Thor:

You are handed herewith a Statement of Mining Experience for use in connection with the loan application of Chief Joseph Mines, Inc.

It is, of course, in the form of a letter from Boughton to me. Therefore, I am enclosing an extra copy of this letter to be used to identify Boughton.

E. V. Boughton, Jr., is actually the locater of the original claim of the group which the company has located. It is he who has interested the present Directors in the project and he will be in charge of any operations to be conducted on the property.

If you desire or need further information or require this information in a different form, please advise either Mr. Clack or myself at once.

Yours very truly,

James W. Wayne

James W. Wayne

JWW/em

encl; 2

400
FILE COPY
SURNAME:

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

Brewer
Selfridge

JAN 9 - 1952

Mr. A. E. Weissenborn
Executive Officer, Region II
South 157 Howard Street
Spokane 8, Washington

Re: Docket No. DMA 1499 - Tungsten
Chief Joseph Mines, Inc.
Room 325, Powell Building
c/o James W. Wayne
Coeur d'Alene, Idaho

Dear Mr. Weissenborn:

In processing the subject application, it is noted that said application was recommended by Mr. G. B. Holderer on September 20, 1951, subject to receipt of information as to the competence of the applicant; a letter to this effect being air mailed to you on the same date. We have your answer dated September 25, 1951, stating that you would forward the information "as soon as possible". A pencil notation dated November 14, 1951, records your visit to this office and your assurance of furnishing this information.

Our files do not include this information at this time. We would like to complete this case, but find it impossible to proceed without the requested information.

Your immediate attention is requested in this matter.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

QLBrewer'lm
1/8/52

cc: Admn. Reading File
Mails and Files Br.
C. O. Mittendorf
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. II
Docket
G. C. Selfridge
Q. L. Brewer

1-9-52
J.D.

E. V. Boughton Jr.
522 N 15th Street
Coeur d' Alene, Idaho
October 4, 1951

James W. Wayne--Attorney
Coeur d' Alene, Idaho

Dear Sir:

On September 28, 1951, you requested that I give you an account of my mining experience.

1934--Went to work for the Federal Mining Co. at Jack Wait as labor, const. new mill and other out buildings.
1935--Reemployed at Jack Wait, Worked in Mill under Frank McKinnley as oiler in floatation, later operated highgrade pelt. 1936, went underground as mucker and timber helper.
1937--Left Jack Wait and went with the Day Mines, worked at Hercules Mill as Ball Mill operator. Injured hand, stayed out of mines, attended Univ. of Idaho school of Mines.
1940--Went to work for the Sullivan Mining Co. underground as mucker, miner, timber-helper, timberman, repairman, moterman.
1941--advanced to Hecla engineering staff, stayed until 1944, at which time I returned to underground service as shift boss. Stayed until 1946, mine superintendent of New Hilarity Mine until closure of the mine in 1947.

At the presnet time I am the District Materials Technologist for the Idaho Department of Highways embracing the five Northern Counties.

Trusting this is the information you seek, I remain,

Sincerely yours

E. V. Boughton Jr.

E. V. Boughton Jr.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OCT 1 1951
Recd by
Mr. Hoeferer

So. 157 Howard Street
Spokane 4, Washington

September 25, 1951

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

Dm A-1499X

Dear Mr. Lyon:

In reply to your airmail letter of September 21 concerning Chief Joseph Mines, Inc., Room 325, Powell Building, Coeur d'Alene, Idaho, we will endeavor to obtain an appraisal of the competence of the applicant and will forward the information to you as soon as possible.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 1 10 50 AM '51

OFFICIAL FILE COPY

To	Init.	Date
840	A.E.C	10-1

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

SEP 21 1951

Air Mail

Mr. A. M. Weissenborn, Executive Officer
DMA Field Team Region II
South 127 Howard Street
Spokane, Washington

Subject: DMA-1[illegible], Chief Joseph Mines, Inc., Room 32[illegible] Lovell Building
Lease [illegible] Wayne, Coeur D'Alene, Idaho.

Dear Mr. Weissenborn:

We have no information in either the original application or your letter concerning the competence of the applicant to carry out the job.

Please advise us concerning this so that we may complete our recommendations.

Very truly yours,

SIGNED
Tom Lyon, Chairman
Coordinating Committee

JF 9/21

Bureau of Mines

Geological Survey

TJBallard:ec
9/19/51

CC: Adm. Reading File
DMA Docket File
Coord. Comm.
Field Team Region II
Mr. Holderer
~~Gechan~~
~~Mr. Lemmon~~

34 FILE COPY
SURNAME:

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

Holderer
Bodman

SEP 2 0 1951

Memorandum

To: Production Expansion Division

Through: Director, Supply Division

From: Tungsten Branch

Subject: DMA-1499x Tungsten - Exploration Loan Project (Government Participation $4,875).
Chief Joseph Mines, Inc.
Room 325 Powell Building
James W. Wayne,
Coeur D'Alene, Idaho

The subject application for an exploration loan is approved by the Tungsten Branch for $6,500 (Government participation $4,875), as outlined in our covering memorandum, attached.

George B. Holderer
George B. Holderer
Chief, Tungsten Branch

Attachment

Approved:

not stripped in RTR.

Tom Lyon
Director, Supply Division

TJBallard:ec
9/19/51

CC: Adm. Reading File
DMA-Docket File
Field Team Region II
Mr. Holderer

REPORT AND RECOMMENDATION OF
COMMODITY BRANCH ON APPLICATION
FOR GOVERNMENT ASSISTANCE

Docket No. 1499X
Commodity - Tungsten

A. Name and Address of Applicant

Chief Joseph Mines, Inc., Room 325 Powell Building
% James W. Wayne, Coeur D'Alene, Idaho

B. Location of Mine

Chief Joseph Mines, Tungsten Hill property,
Claim No. 1, in Sec. 13, T. 64 N., R. 1. E. B. M.
Boundary County, Idaho

C. Conclusions

1. The property has a fair chance of developing a small amount of tungsten ore.

2. The property has produced 1,000 to 1,500 pounds of 68 percent WO_3. On the basis of past production and samples, the original ore ran about 1.38 percent WO_3. There are about 3,500 tons of vein material but not sufficient information to determine the probable grade. The proposed exploration program is laid out satisfactorily and should yield adequate information.

3. Requirements can be met.

4. Financing. Total cost of project is estimated to be $6,500, of which the Government will pay $4,875 and the applicant the balance, financed on the basis of the standard "exploration project contract."

5. No information at hand; writing for information as per enclosed letter. *

D. Recommendations

This branch recommends approval of the project for $6,500 in which the Government participation will be $4,875 (75 percent).

E. Proposal

Applicant proposes to bulldoze three 100-foot trenches located along a

strike distance of 950 feet and diamond drill three holes totalling 1,100 feet.

Bulldozer trenches 300 feet	$200.00
Diamond drilling 1,100 feet @ $5.00	5,500.00
Supervision and sampling	800.00
	$6,500.00

F. Pertinence to Tungsten Program

The project has a fair chance of proving a small tonnage of tungsten ore.

G. Technical Feasibility

1. The property has produced 1,000 to 1,500 pounds of 68 percent WO_3. On the basis of past production and samples, the original ore ran about 1.38 percent WO_3. There are about 3,500 tons of vein material, but not sufficient information to determine the probable grade.

2. The applicant estimates two months to complete the project.

H. Availability of Requirements

1. None of value

2. All contract-no equipment needed.

3. Road transportation to mine.

4. Contract work.

I. Proposed Financing

1. Standard exploration contract by which Government share will be $4,875 of the total cost of $6,500.

2. Amount appears adequate.

3. No security other than that provided in the exploration contract.

4. Repayment as provided in contract.

J. Competence of Applicant

No information at hand, writing for information as per copy of enclosed copy.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Mr. George Holderer DATE: September 13, 1951

FROM : T. P. Thayer Thayer

SUBJECT: Tungsten Hill property of Chief Joseph Mines, Boundary County, Idaho. DMA-1499 X

The application appears to be a long shot without too much at stake, and deserves sympathetic consideration.

The proposed exploration should yield adequate information on continuity of the vein, but it seems as if several shorter trenches would be more to the point than three long ones. The exploration is not at all what Hobbs recommended in 1942, but I presume Hobbs approved the proposal by telephone.

On the basis that this is one of the straws the drowning men are clutching at, approval of the application is recommended.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

July 16, 1951

Through: Landon F. Strobel

Memorandum

To: George Holderer, Chairman, Tungsten Commodity Committee

From: Field Team, Region II.

Subject: Tungsten Hill property of Chief Joseph Mines, Inc.
Boundary County, Idaho

Enclosed herewith are four copies of a report on the Chief Joseph Mines, Inc., property by S. Warren Hobbs dated October 1942. There has been no work on the property since that time. Also enclosed are six signed contracts, six copies of Exhibits "A", "B", "C", "D" and "E", and twelve copies of the applicant's maps.

As noted in Mr. Hobbs' report he made no recommendations as of October 1942. In a recent telephone conversation, Mr. Hobbs said it is a marginal property and any recommendation would depend upon the present tungsten picture.

The property has limited potentialities nevertheless, a small amount of money ($6,500) would be expended, and if the exploration is successful some tungsten could be produced; therefore, this office recommends that the application and contract be approved.

A. E. Weissenborn
A. E. Weissenborn, Executive Officer
(U. S. Geological Survey)

M. E. Volin
M. E. Volin, Member
(U. S. Bureau of Mines)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 23 1951
LANDON F. STROBEL
Executive Secretary

Enclosures

Preliminary Report on the Chief Joseph Mines, Inc.
Tungsten Hill Property, by S. Warren Hobbs, Oct. 15, 1942

Preliminary Report on the

M. & F. Mine

Boundary County, Idaho

Location

The M. & F. Mine, formerly known as the Tungsten Hill or Bull Moose Group, is located in the Queen Mountain mining district in sec. 13, T. 64 N., R. 1 E. Boundary County, Idaho. It is reached by means of the Bethlehem Road, a forest service road which turns south from U. S. highway No. 95 at a point about 2 miles northeast of the junction of U. S. 95 and State road No. 1 near the town of Copeland. This road is followed for 10 miles to the mine, avoiding right hand branches at 4.3 miles (marked U.S. highway 95), at 6.5 miles (Stroud road), and following at 7.8 miles a sign marked Tungsten Lookout Road which cuts back to the left at an acute angle to the main road. The mine is situated on the southwest slope of a portion of Queen Mountain at an elevation of about 5,100 feet. The hill rises to an elevation of about 5,700 feet behind the mine.

Equipment, workings and production

The mine has been abandoned since 1922 and no equipment of any consequence is left at the property. The workings consist of four adits, two of which are caved and inaccessible, a 75 foot long open cut, and a number of pits and small trenches. Of the two accessible adits, the lower has 385 feet of workings, and the upper one, 100 feet above, has 130 feet of crosscut and drift.

No accurate record has been kept of the production, but the small scale character of the work done indicates that only a small amount of material was ever produced. It is reported that 1,000 to 1,500 pounds of 68% concentrates, obtained from the open cut, were shipped during the last war.

General geology

The geology and ore deposits have been described by Livingston (1), and by Kirkham and Ellis (2). The oldest rocks in the district are:

---

(1) Livingston, D.C. Tungsten, cinnabar, manganese, molybdenum, and tin deposits of Idaho. Univ. of Idaho, Bull. No.2, Vol.14,1919.

(2) Kirkham, U.R.D. and Ellis, E.W. Geology and ore deposits of Boundary County, Idaho; Idaho Bureau of Mines and Geology, Bull. 10 1926.

schists, slates, and quartzites of probable Belt age, which have been intruded by two bodies of igneous rocks, a large dike or stock of hornblende diorite and a coarse grained gray granite. The diorite forms the country rock of the tungsten-bearing vein, but the closest granite exposures are about 700 to 800 feet east of the main mine workings and beyond the traceable extent of the vein. The age relationship of the diorite to the granite are not definitely known, but it seems probable that the granite is younger and may be the source of the mineralization.

Ore deposit

Several quartz veins carrying small amounts of galena, pyrite, chalcopyrite, garnet, carbonate, and localized pockets of scheelite occupy fissures in the diorite. Of these veins only one is important, and this is the one on which most of the development work has been done. The map accompanying the report shows the exposures of this vein both on the surface and underground. The vein strikes about N. 82 degrees W. and dips very steeply to the northeast. Its thickness varies considerably between outcrops. In the open cuts above the upper tunnel the vein is 5 to 7 feet wide and it maintains this width at least as far as the small pit 65 feet to the west. As exposed in the drifts of the upper tunnel, the vein is 8 feet wide, but is composed almost entirely of barren white quartz. In the lower tunnel, the vein shows a maximum width of 3 feet 3 inches, and in places it breaks into a zone of stringers and irregular stockwork type of deposit, which is also about 3 feet wide but contains much intermixed diorite. Two small pits on the strike of the vein about 300 feet east of the upper tunnel expose a vein 6 to 8 inches wide. If this is the same vein as those exposed in the tunnels, it represents the narrowest showing in the area.

The gangue material of the vein is chiefly a milky white quartz. Locally there is abundant granular white carbonate, and patches of garnet and tremolite apparently produced by alteration and replacement of the carbonate.

The tungsten occurs entirely in the mineral scheelite, and is found in the quartz vein, associated with the quartz and also with the carbonate and its alteration minerals. Livingston reports fair scheelite from the open cut above the upper tunnel.

This cut has been badly caved, but examination of the remaining outcrops by means of the ultra-violet lamp failed to show any appreciable amount of the scheelite. The vein as exposed in the lower tunnel shows a small amount of the tungsten mineral near the east end of the drift, but nothing is present which could be considered ore. The upper tunnel shows scattered specks of scheelite in the vein, but only at the east face is the tenor of the ore high enough to make possible ore. Portions of this face were estimated to run 0.5 to 1 percent. Some of the material on the dump of the caved tunnel located 80 feet east of the east end of the open cut shows good scheelite, and this indicates a possible extension of the favorable zone from the good face of the upper drift. No other showings of scheelite were found.

Grade of ore and reserves

Livingston sampled the open cut and obtained the results in the following table which is quoted from his report. Samples were taken at 10 foot intervals.

Sample No.	Width of sample in feet.	% WO_3
1	5.0	0.59
2	4.0	0.68
3	6.0	1.05
4	6.5	0.61
5	6.0	2.34
Average	5.5	1.09

These results were checked by Livingston by computing the value of the vein on the basis of the reported production of 1,200 pounds of 68% concentrates from about 100 tons of ore. This gave a result of 0.40% WO_3. A sample of the waste dump gave a result of 0.98% WO_3. The combination of these two results gives an average value for the original ore of 1.38% WO_3.

The open cut was checked for scheelite content by means of the ultra-violet lamp at the time of the present study and only a small amount of scheelite was visible. It is possible that a rich pocket of ore was removed from this cut. The only ore in place which approaches the tungsten content reported by Livingston is in the very eastermost faces of the two drifts. However, no information is available on the possible extent of this visible material.

No ore is blocked out in the mine. On the assumption that the scheelite now showing in the mine might outline an ore shoot, and on the assumption that the vein will average 3 feet in width, there is a block of vein material present which contains about 3,500 tons. This amount of material has a chance of containing some scheelite. There are no reasons to prevent the occurrence of more tungsten-bearing material, but there is also no guide to its possible localization. Apparently the most favorable part of the vein lies just to the east of the present workings, and any attempt to develop the mine should be made by extending the drifts to the east on the two levels now open, and by reopening and exploring the caved tunnel above and east of the open cut.

Recommendations

The M. & F. mine is a possible source of a small tungsten production, but no extensive exploration program is warranted. No recommendations are made for the present.

S. Warren Hobbs
U. S. Geological Survey
October 15, 1942

FILE COPY
SURNAME:

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

June 11, 1951

Mr. James W. Wayne
Chief Joseph Mines, Inc.
Room 325 Powell Building
Coeur D'Alene, Idaho

Subject: DMA-1499X
Re: Exploration Loan
Claim #1, Tungsten Hill
Mine

My dear Mr. Wayne:

Receipt is acknowledged of your application and attachments of May 31, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1499X and referred to Mr. P.R. Bradley, Chief, Tungsten Branch, on June 6, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1499X.

Sincerely yours,

LANDON F. STROBEL
LFS

Landon F. Strobel
Executive Secretary

LFSTROBEL:hb

Copy to: Mr. Strobel
Mr. Lyon
Mr. Bradley
Files

Dma-1499X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington

May 31, 1951

Mr. L. F. Strobel
Executive Secretary
Defense Minerals Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Strobel:

I am enclosing herewith three copies of Form MF-103 for an exploration contract of the Chief Joseph Mines, Inc., which has a tungsten prospect in Boundary County, Idaho.

Inasmuch as a hasty perusal of the application indicates that some further information may be required, I am retaining one copy of the application so that we may discuss it in the next few days.

Sincerely yours

A. E. Weissenborn

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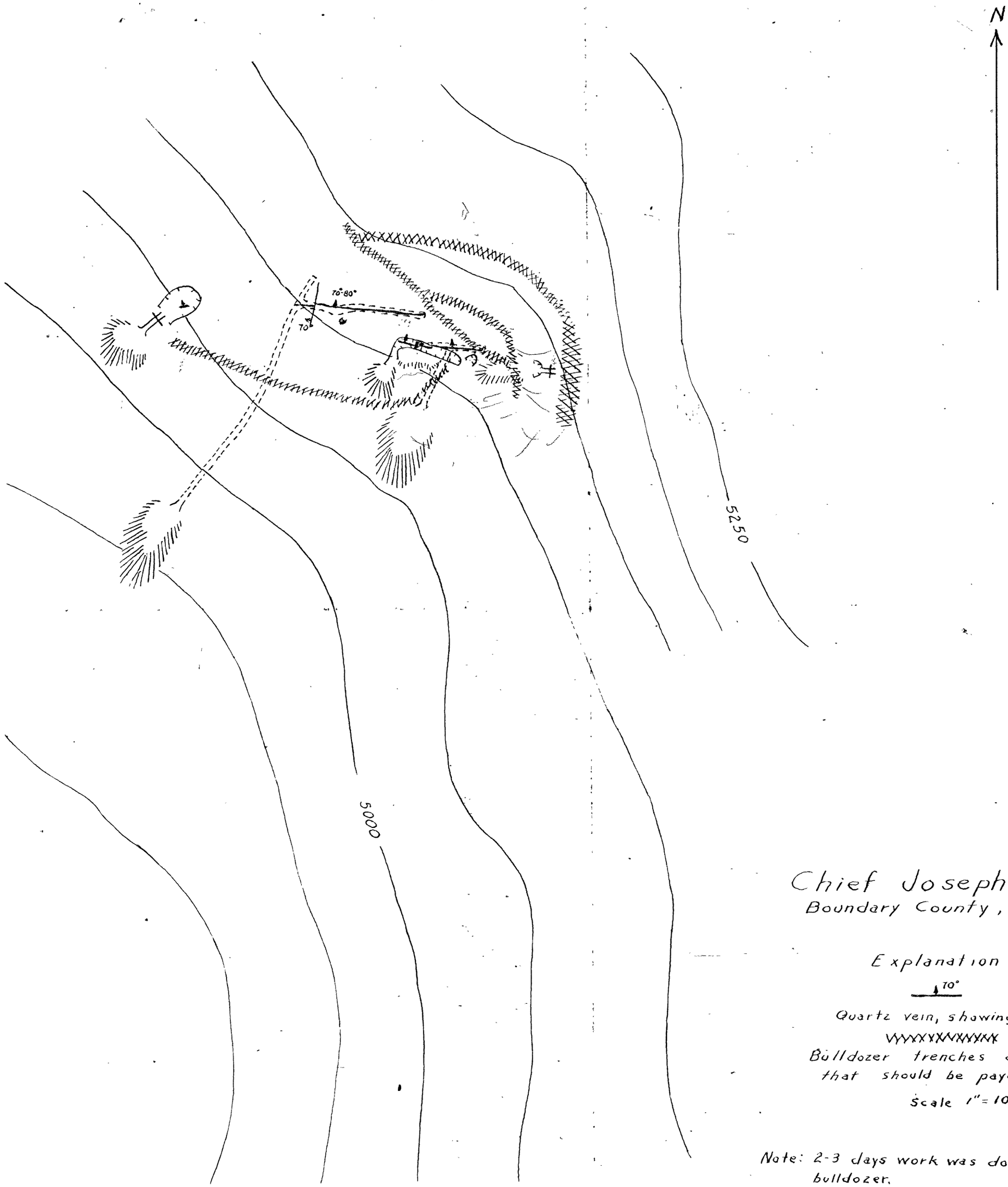
Executive Officer, DMA
Field Team, Region II

Enclosures

cc: M. E. Volin

Formerly known as M+F claims
last worked 1922. Total production
50 units or less. Quartz
vein with scheelite and wolfrite.
DMR 6/11/51

DMEA 1499



Chief Joseph Mine

Boundary County, Idaho

Explanation

70°

Quartz vein, showing dip

Bulldozer trenches and roads that should be payed for

Scale 1" = 100'

Note: 2-3 days work was done at each portal with bulldozer.

Topography and old workings from Hobbs, 1942 V.C.F.