UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (~~or cancelled~~) without certification. DMEA No. 838

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

Left Side

Certificate of Audit (Final).

Interim Audit(s).

✓ Report of Review.

Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

Owner's Consent to Lien.

✓ Subordination Agreement.

✓ Leases and assignments of leases.

✓ Application and attachments.

Schedule of Collections.

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

Right Side

✓ Project summary.

✓ Work completed analysis.

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

✓ Final Field Team Report. (Tab)

✓ Operator's Final Report.

Interim Reports.

✓ On-site Exam Report(s). (Tab)

Settlement Sheets.

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

Maps in folder number _____

Operator's Monthly Reports in folder number _____

CW
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Tungsten Mining Company

Boulder, Colorado

pertaining to Exploration Project Contract No. E-90, Docket No. 838X, for the period of August 15, 1951 to March 30, 1952.

My review included an examination of:

(A) the Monthly Reports (Forms MF-104) and supporting documents attached thereto;
(B) comparison of the costs claimed with the contract and pertinent schedules;
+(C) consultation with the Government representative who visited and examined the project;
(D) a determination of the reasonableness and propriety of the costs.

This review was made in lieu of an audit of the Operator's accounts and records for the reason(s) indicated by "X" below:

( ) the administrative cost to the Government of an audit would be excessive in relation to value of the contract or the amount of possible disallowances thereunder;
(X) the Monthly Reports were supported by adequate proof of the costs incurred under the contract;
( ) the contract provides for payment by the Government on the basis of estimated costs of units of work actually performed;
( ) _____

+ In lieu of consultation, because engineer was not in Denver, an examination of the monthly narrative reports of the Government engineer who visited and examined the project, disclosed that all disbursements were properly supported.

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

Total cost as billed by Contractor		$10,000.00
Exceptions:		
By DMEA Finance Officer	$	
Herewith (schedule attached)		
Total Accepted Cost		$10,000.00 *

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 Seven thousand five hundred dollars and no/100

- $7,500.00 -*

is considered valid and proper.

Date: June 20, 1952

Auditor

* Exclusive of $200.00 ($150.00 Govt Part.) proceeds from liquidation of property.

ME-200
(April 1951)

Docket No. DMA 838-X
Commodity Tungsten
Idm-E90

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

RECEIVED
AUG 31 1951
G. A. O.

EXPLORATION PROJECT CONTRACT[1]

It is agreed this 10th day of August, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and[2]

Tungsten Mining Company
420 Pine Street
Boulder, Colorado
George W. Cowdery, President

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 Colorado, County of Boulder described as follows:[3] The Dasie Lode Mining Claim, Survey No. 19922; The Tungsten Lode Mining Claim No. 18225A The March Lode Mining Claim, Survey No. 18225. That part of the Sunday and April Lode Mining Claims which overlap the Dasie, Tungsten and March claims with respect to which the Operator represents and undertakes:[4]

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

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

3. *Exploration project.* The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for[5] Tungsten; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of[6] 12 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] Insert name, address, and nature of organization if any.
[3] Insert legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Insert name of mineral.
[6] Not in excess of 2 years.

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

8. *Labor and supervision.* 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 $7,500.00, which is 75 percent of the agreed estimated total cost of this project, $10,000.00.

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 ~~XXXXXX~~ sextuplet the day and year first above written.

Tungsten Mining Company
(Operator)

By George W. Crowder Pres

THE UNITED STATES OF AMERICA

By C. O. Mitteendorf
Director, Production Expansion Division
Defense Minerals Administration

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

TUNGSTEN MINING COMPANY, INC.
George W. Cowdery, President

EXPLORATION PROJECT CONTRACT

DMA 838-X

EXHIBIT "A"

The approved exploration is as follows:

Crosscuts and drifts

Approximate footages

2 crosscuts and drifts on 80-foot level	100 ft.
East extension of 80-foot level	100 ft.
1 crosscut and drift on 120-foot level	100 ft.
Northeast extension of March vein - 120-foot level	100 ft.
1 cross cut and drift on 180-foot level	100 ft.
Total footage - 500 feet Cost @ $20.00 per foot	$ 10,000

Map showing the approximate location of the proposed exploration attached.

EXHIBIT "B"

Additional facilities to be purchased

1 - 5000 gallon water storage tank	$ 200.00

EXHIBIT "C"

Detailed list of operating equipment

To be purchased - 1 mine pump	$ 500.00
To be furnished by operator, with allowable rental	Per Mo.
1 stationary electric driven compressor - 410 cfm	$ 150.00
1 1-7½ HP single drum hoist	10.00
2 mounted jack hammers with column and arm.	20.00
3 - 16 cu. ft. mine cars ~~@ $15 ea/mo~~	10.00
2 stopers.	40.00
	$ 230.00

EXHIBIT "D"

Labor	No.	Class	Max. rate per hour
	4	Miners	$ 1.50
Supervision	1	foreman (who also operates hoist and compressor)	2.00

EXHIBIT "E"

Rehabilitation and repairs

Moving and repairing present hoist house	$500.00

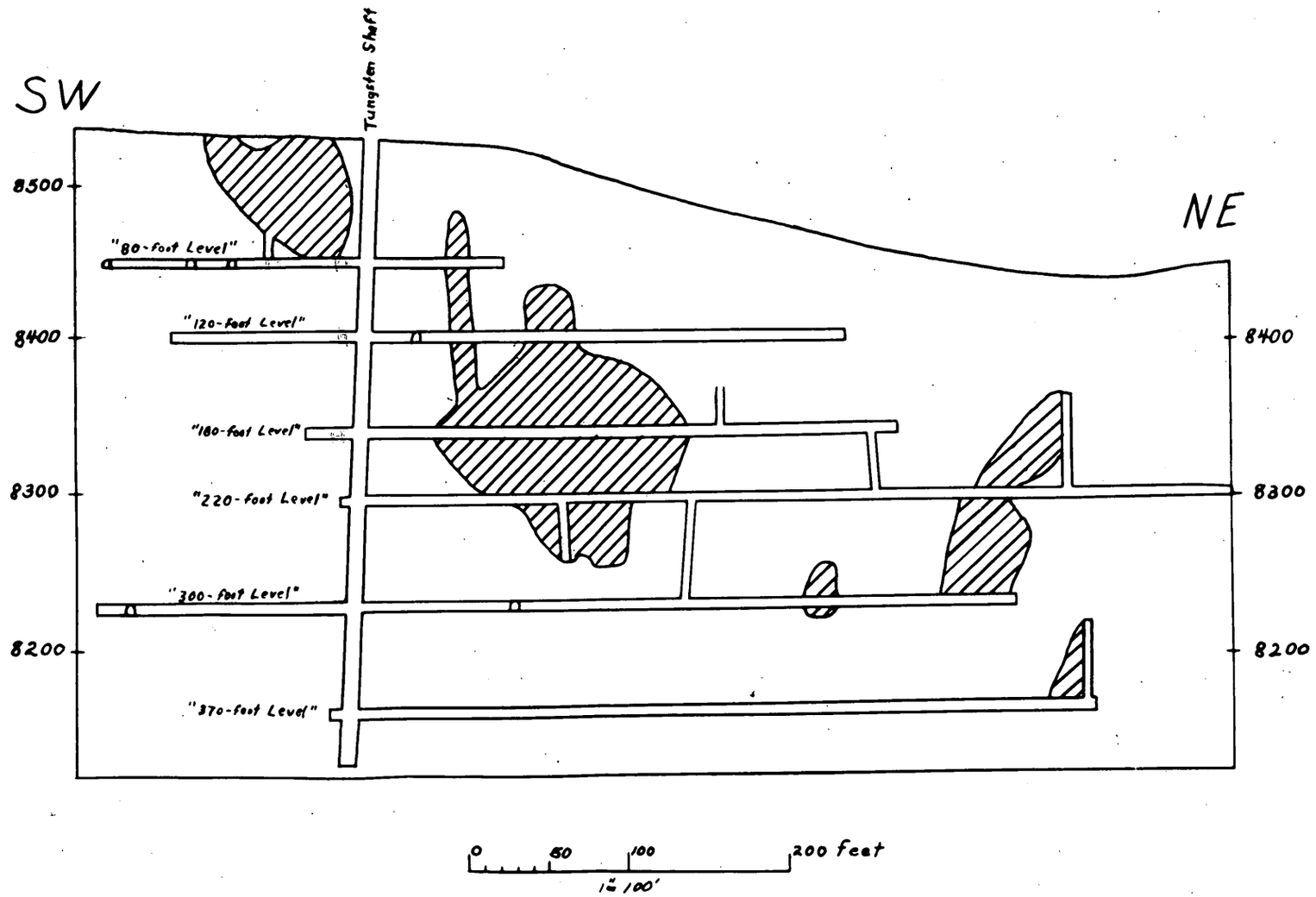


fig. 104 Workings on the Tungsten (or Chance) vein ~~as of~~ in 1930 projected on a plane striking N.50°E. and dipping 70° NW.

Cross-section? See above

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Boulder, State of Colorado, described in a certain Exploration Project Contract dated August 10, 1951, between Tungsten Mining Company, Inc., the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 7, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

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

Dated this 10th day of August, 1951.

George W. Cowdery

George W. Cowdery

U. S. GOVERNMENT PRINTING OFFICE 16—94582-1

dmw 838X

MINING LEASE

THIS AGREEMENT AND LEASE Made this 7th day of May, 1951 between GEORGE W. COWDERY of 420 Pine Street, Boulder, Colorado, of the first part, hereinafter called the Lessor, and TUNGSTEN MINING COMPANY, a Colorado corporation, of Boulder, Colorado, party of the second part, hereinafter called the Lessee.

WITNESSETH, That for and in consideration of the rents, royalties, covenants and agreements hereinafter expressed to be paid, kept and performed by the Lessee, the Lessor has granted, let and demised, and by these presents does grant, let and demise, unto the Lessee all of the right, title and interest of the Lessor in and to the following described mining property and premises, situated in the Grand Island Mining District, County of Boulder, State of Colorado, to-wit:

The Dasie Lode Mining Claim, Survey No. 19922
The Tungsten Lode Mining Claim, Survey No. 18225A
The March Lode Mining Claim, Survey No. 18225-
That part of the Sunday and April Lode Mining Claims which overlap the Dasie, Tungsten and March claims.

TO HAVE AND TO HOLD the demised premises unto the Lessee, with the right to mine, extract and remove ore therefrom and to sell and dispose of the same as hereinafter provided for the term of five (5) years, commencing at noon on the 7th day of May, 1951 and ending at noon on the 7th day of May, 1956, subject to the terms and conditions of this agreement, unless sooner forfeited or determined through the violation of any of the terms, conditions, covenants or agreements hereinafter against the Lessee expressed or reserved.

The Lessee, for and in consideration of the demise of said premises, hereby covenants and agrees with the Lessor as follows:

1. To enter upon said premises on the first day of the term hereof, and to work the same in a thorough and miner-like manner so as to take out the greatest amount of ore possible, with due regard to the development and preservation of said premises as a workable mining property and to unworked ground for future continued mining operations, and to the other covenants hereinafter expressed.

2. To work and mine the demised premises steadily and continuously from the first day of the term hereof with a force of at least two men working at least fifteen eight-hour shifts per month during the term hereof.

3. To repair and replace all old timbering upon the demised premises wherever it may become necessary, and to well and sufficiently timber said mine and mining premises wherever proper and necessary in accordance with good and safe mining practices.

4. To at all times keep the drifts, shafts, tunnels and all other workings on the demised premises thoroughly drained and clear of loose rock and rubbish; to stow no waste under ground without the written consent of the Lessor; and to properly care for all dumpings and tailings and prevent their accumulation upon any part of the demised premises remaining unworked.

5. To do no underhand stoping below the bottom level or winze; to do no stoping or breaking of ore rock within six feet of any working shaft; to make all shafts at least three and one-half (3½) feet by seven (7) feet in the clear, all drifts and tunnels at least six (6) feet high by three and one-half (3½) feet wide in the clear, and all winzes and raises at least three and one-half (3½) feet by seven (7) feet in the clear.

6. To allow the Lessor, and his agents, from time to time and at any time, to enter upon and into all parts of the demised premises for the purpose of inspection, survey, taking ore samples, or otherwise; and to give to the Lessor such assistance as may be necessary or proper to accomplish any such inspection, survey, sampling or otherwise.

7. To keep true and accurate record showing all ore taken from said premises and from which part thereof, the disposition thereof, the amount received therefrom, and a record of all assays of ore taken from said premises, together with complete maps of all development as the work progresses; said accounts, records and maps shall be open to the inspection of the Lessor, or his agents, at all times during ordinary business hours, and the Lessor shall have the privilege of making extracts therefrom or copies thereof.

8. To promptly pay for all labor, material and supplies to be done for, or furnished to, the Lessee, or any person or persons under him or in privity with him upon said premises; and if any lien be filed, or if the Lessee shall become insolvent or bankrupt, or make an assignment for the benefit of creditors, or if any part of the pay roll, or any other indebtedness incurred in connection with the operations of the Lessee shall remain unpaid for a period of thirty (30) days after the same shall become due and payable, the Lessor may, at his election, declare a forfeiture of this lease, as hereinafter provided.

9. To indemnify and save harmless the Lessor from any and all liability for any accident, injury or loss to any property, or to any party or parties whatsoever, arising out of, or incurred in connection with the operation or mining of

the demised premises for any reason whatsoever. To carry a proper amount of Workman's compensation insurance for the purposes aforesaid, and to comply with all of the rules and regulations of any public or governmental authority having supervision or jurisdiction over the demised premises and the operations thereon.

10. To pay all general and production taxes levied and assessed against said property during the continuance of this contract.

11. To allow and pay to the Lessor, as royalty upon all ores mined, shipped or sold from the demised premises in any manner during the term hereof of the following (it being expressly understood and agreed that the Lessor reserves unto himself the property and the right of property in and to all ores mined and extracted from the demised premises during the term hereof), to-wit:

15% of the sale price of ore or concentrates sold.

On ore or concentrates sold under government regulation ores or concentrates to comply with government standards and rules.

Royalty to be deducted and sent to George W. Cowdery, 420 Pine Street, Boulder, Colorado.

12. To make no assignment of this lease or sublet the whole or any part of the demised premises without the written consent of the lessor.

13. To preserve and redeliver to the Lessor quiet and peaceable possession of the demised premises, with the appurtenances and all improvements, machinery and buildings thereon in good order and condition, with all drifts, shafts, tunnels and passages thoroughly clear of lose rocks and rubbish and drained, and the ground and mines ready for immediate continued working

and mining, without demand or further notice, at the date of the expiration hereof, or at any time previous thereto, upon demand, upon the termination or forfeiture hereof; and in the event of any such forfeiture all fixed improvements, tracks, ties, piping and other appurtenances and material, used or installed by the Lessee on the demised premises shall thereupon revert to and become the property of the Lessor. (Machinery excepted).

14. Upon the failure of the Lessee to keep and fulfill any and all agreements and covenants herein expressed or implied, then and in that event it shall be lawful for the Lessor, his agents or attorneys, to declare the term hereof ended and this lease null, void and of no further force or effect, and with or without notice or process of law to enter upon and take possession of the demised premises and dispossess all persons occupying the same, with or without force, or, at the option of the Lessor, the Lessee and all persons found in occupation or possession may be proceeded against as being guilty of unlawful detainer.

15. Any notice given by the Lessor shall be deemed sufficiently served and shall be held to be binding upon the Lessee or any person holding or claiming to hold any interest in the demised premises through or under the Lessee, if the same is deposited post paid in a United States Post Office, addressed to the Lessee at Boulder, Colorado.

16. It is expressly understood and agreed that the Lessee may have the privilege of extending this lease for a further period of five years from the expiration date by giving to the Lessor sixty (60) days notice in writing prior to the expiration date of the Lessee's wish to extend the term of said lease, said notice to be addressed to the Lessor at 420 Pine

Street, Boulder, Colorado, the Lessor, however, having the right to reject the extension if the Lessee is in default in making any of the payments herein provided or in case the Lessee has violated any of the terms of this lease and fails to correct such violations upon notice as required herein.

17. Time is of the essence of this agreement, and this lease shall be appropriately construed to include each of the above named Lessors and Lessees, whether one or more and whether individuals, associations or corporations, and the terms and conditions hereof shall extend to, and be binding upon, the heirs, executors, administrators, successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have executed this Lease the day and year first above written.

George W. Lowrey
Lessor.

TUNGSTEN MINING COMPANY
By George W. Lowrey
President.

Attest:
Elmer Hodgson
Secretary.

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 838 X

Date received 6-5-51

Participation

Tungsten Mining Company
420 Pine Street
Boulder, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5 - 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost 10,000.00

Mineral or metal Tungsten ores and concentrates.

Percentage of Government participation 75%

Location of mine Nederland, Colorado

Date of filing MF-100 May 18, 1951.

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

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

16—64067-1

THE PROPERTY

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

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

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

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

CERTIFICATION

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

Tungsten Mining Company
(Name of company)

By George N Crowdery
(Signature of authorized official)

May 28, 1951.
(Date)

President.
(Title)

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

*Same as footnote on page 1.

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

THE APPLICANT

1. Corporation.
3. Five directors own all stock - George W. Cowdery, President, 420 Pine Street, Boulder, Colorado; William D. Cowdery, Vice President, 2129 Mapleton Avenue, Boulder, Colorado; Emery Hodgson, Treasurer, 959 Grandview Avenue, Boulder, Colorado; Elmer Hodgson, Secretary, 959 Grandview Avenue, Boulder, Colorado; and Frank E. Hodgson, Manager, Louisville, Colorado.
4. George W. Cowdery, owner of property 35 years. William D.Cowdery, Geologist and 10 years practical miner; Emery Hodgson and Elmer Hodgson 24 years practical miners; Frank E. Hodgson, 35 years practical miner.
5. Lessee.
7. Copy of lease attached,in good standing. There are no encumbrances against property.
8. Have no financial statement at this time.
9. ($2,500.00)- Applicant's part in proposed project.

THE PROPERTY

10. Dasie, Tungsten and March claims and that part of Sunday and April that overlap them, Grand Island Mining District Boulder County, Colorado. There is a 400 foot shaft with six levels on this property. There are 8 veins adjacent to this shaft that have tungsten in place on surface to be explored from this shaft at various depths.
11. This is known as The Tungsten Mine, located in 1902.
12. This mine is 2 miles south of Nederland just 200 feet off of main Peak to Peak Highway.
13. Mine makes 50 gallons per minute, 8 hours per day, pumping of good water and has a large spring 700 feet from shaft. Have power into mine at this time from Public Service Company of Colorado and main line in this district will have 150 H.P. connected load. When in full operation about $125.00 per month cost of power
14. Have shaft house, headframe, hoists, compressor and mining equipment in general.
15. Have mill 2,000 feet from shaft on main stream. State Mine Inspector states it will have to be moved to avoid polution on City of Denver water-shed. Intend to move mill to mine. Have a large draw below mine to impound tailings. Mine water and large spring will furnish water for mill.
16. This shaft has produced 52,254 units to date,from 1902 to 1941. Shaft caved in in 1941. Market was weak for tungsten and has stood idle since. Shaft has now been repaired.
Mr. Ogden Tweto, U.S.Geological Survey of Denver Branch has done our geology and mapping of the mine in past years as well as Tom Lovering and years back Frank Hess made examination for Government (1916)

EXPLORATION

20. To explore the tungsten deposits fissure veins and replacement deposit. We have some Molybdenum, Calcopyrite, and a deposit of Thorium; but do not intend to work on them.
21. Intend to cross-cut to nearby veins to open up indicated ore on surface. Program 18 months to 2 years.
22. Your department has on file mine maps, etc. that were sent in on form #146 for loan that was never acted upon. (March 15, 1951).

REQUIREMENTS AND COSTS

23. (Labor). We now have 5 miners - $12.00 per day - all workers - no supervisors.

    Cost of repairing buildings and moving mill $2,000.00. We may need better pump, a water tank, etc., about $1,000.00 - about $300.00 for rental equipment. We have about $10,000.00 worth of mining equipment on hands - about $150.00 per month for supplies. Power and compensation insurance about $150.00 per month.
24. About 18 months and expect to spend $10,000.00 to locate ore indicated on surface and by geological advice.

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. 838-X-Tungsten

Date received 5/31/51

Participation

Tungsten Mining Co Inc
420 Pine St
Boulder Colorado

Name and address of applicant

Date May 25-1951

Form MF 100 - May 18-1951
Filed on Form 146

FILL IN THIS BLOCK

Date of application March 15-1951 Estimated cost $10,000 00/100

Mineral or metal Tungsten ores and concentrates Percentage of Government participation 75%

Location of mine Nederland Colo

Date of filing MF-100 May 18-1951 DMA Docket Number, if available 838

Have not received Docket #

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

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

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

Tungsten Mining Co
(Name of company)

By George W. Crowdey
(Signature of authorized official)

May 25 - 1951
(Date)

President
(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

Form MF-100
(May 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

Shelderer

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 838X

Date received

Tungsten Mining Company Inc
420 Pine St.
Boulder, Colorado

Name and address of applicant

Date

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Tungsten ores and concentrates
   (*b*) What are the byproducts, if any? Thorium and copper (not to be produced at this time)
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 2 miles south of Nederland Colo
   (*b*) Mining district. Grand Island
   (*c*) Township, Section, Range. Sec 19, T-1 South Range 72 West
   (*d*) County, State. Boulder County Colorado
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production: We are retimbering a caved shaft and cleaning up a caved level

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

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

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

(b) If deposit is other than placer:

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(c) If placer:

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

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

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

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

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

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

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

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

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

We now have 5 all around miners with from 20 to 35 years experience

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

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

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

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.

Tungsten Mining Company Inc
(Name of company)

By George W. Lowdney
(Signature of authorized official)

July 23, 1951
(Date)

President
(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.

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

(over)

In answer to (d) of section 5 – M 0 – 7 will say we did not produce during 1948-49 & 50. We last worked this mine in 1939-40 and 41 and produced 4964 units WO_3 and we expect to produce about the same amount in the future.

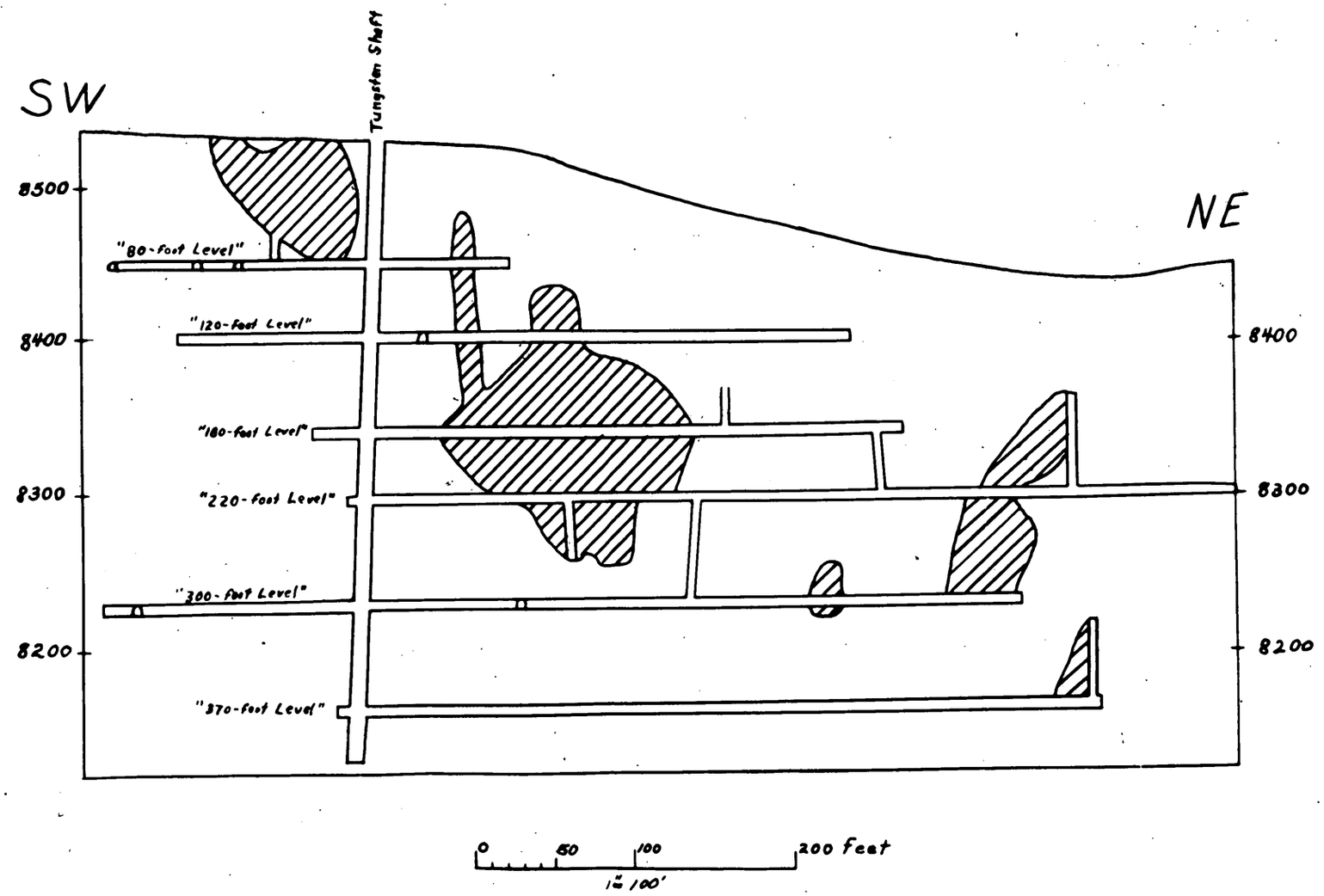


fig. 104 Workings on the Tungsten (or Chance) vein ~~as of~~ in 1930 projected on a plane striking N.50°E. and dipping 70° NW.

Mining Division
Region IV

May 23, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado - Operator's Final Monthly Progress Report for the period of March, 1952.

Enclosed are the original and three copies of Form MF-104, Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended for the amount of $567.98, which is 75 percent of the total of $757.31.

Breakdown showing amount of Government participation for previous months project was in operation:

Period	Amt. Govt. participation for period	
Total Gov't. participation allowed by contract -		$7,500.00
August 16-31, 1951	$ 941.63	
September, 1951	687.55	
October, 1951	790.55	
Supplemental - Sept. & Oct., 1951	142.50	
November, 1951	686.47	
December, 1951	868.71	
January, 1952	1486.16	
Supplemental - Nov. 1951	67.91	
February, 1952	1260.54	
Total previously paid -		$6,932.02
	Balance -	$ 567.98

Government equity in equipment purchased amounted to $150.00. A personal check from George W. Cowdery, President, Tungsten Mining Company, for this amount has been accepted by the Government.

WLD:oc
cc: Secretary to the Oper. Comm.
WMTraver
Contract
Chron.
Koschmann (2)

W. H. King

W. H. King

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Mining Division
Date Rec'd.
APR 21 1952
BUREAU OF MINES
Denver, Colorado

Building 20
Denver Federal Center
Denver 14, Colorado
April 18, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado - progress report for March 1952

Enclosed please find four copies of the above progress report, form MF-104, with narrative and payroll, and six copies of R. R. McLellan's memorandum covering the underground progress and account inspection.

McLellan approves payment of $567.99 which is 75 percent of the $757.32 remaining of the contract funds. This completes the contract and no discovery of ore was made.

McLellan is preparing a final report on the project.

Scott W. Hazen, Jr.
Scott W. Hazen, Jr., for
W. M. Traver, Jr.

Enclosures

SWH/amh

cc 3
E90
AHKoschmann
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
April 18, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: R. R. McLellan

Subject: DMA 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado - progress report for March 1952

The final progress examination was completed on March 18, 1952, shortly after Cowdery had ceased mining due to the complete expenditure of contract funds. The work accomplished was found to be correct as reported in the narrative. A few tungsten veinlets were located on the 80-foot level approximately 30 feet west of the shaft. The veinlets pinched out completely after a few feet of drifting, eliminating any possibility of a profitable discovery.

The final inspection of accounts was made at Cowdery's home in Boulder, Colorado, on April 17, 1952.

Item 2 (c), Equipment furnished by operator. Cowdery operated for 10 days in March on contract funds; therefore, the depreciation allowed for equipment should be as follows:

1 Compressor, 10 days at $150.00 per month	$48.40
1 Hoist, 10 days at $10.00 per month	3.20
2 Mounted jackhammers, 10 days at $10.00 per month	6.50
3 16-cu.ft. mine cars, 10 days at $10.00 per month	3.20
Total	$61.30

Item 4, Labor. The charge of $640.00 is the correct gross payroll for 10 shifts and is verified by the attached copy of the payroll.

Item 6 (b), Explosives, $24.12, is correct and was verified by an invoice.

Item 7. Power for 10 days should appear as 10/31 of the invoice amount of $67.10, or $21.64.

Item 9 (c), Workmen's Compensation, $14.50, correct.

Item 11, Other, Employer's social security, $9.60, correct and verified by payroll.

While checking the accounts it was noted that payment of a reclaim for 75 percent of $90.54 was received by Cowdery in March and, although he entered the amount in his books, he forgot to include it in the "total to date" on form MF-104. Also, a deduction of $0.10 was made from the amount claimed for labor for the month of January and Cowdery neglected to credit his total expenditures by this amount.

By adding the reclaim of $90.54 to the total expenditure of $9,152.24, as of March 1, 1952, and by deducting the $0.10, the correct total expenditure of $9,242.68 is obtained. Deducting this expenditure from the allowed $10,000.00 leaves a total of $757.32 for completion of the contract during the month of March.

Cowdery's total claim of $847.76 for March has been reduced by $64.69 for depreciation of equipment, and by $11.91 for power, leaving a total of $771.16. This amount exceeds the remaining $757.32 by $13.84.

Payment is approved for $567.99, or 75 percent of the $757.32 remaining from the allowed $10,000.00.

Russell R. McLellan

Russell R. McLellan,
Mining Engineer

RRM/amh

cc 5
AHKoschmann
E90
DMEA Chron.

Narrative for March 1952.

During this month at point 30 ft West 1st level we drifted 15 ft West following tungsten feeders and broke into cross-cut 70 ft West of shaft and at this point we winzed 10 ft at this point on tungsten feeders until they turned into a barren breccia.

Tungsten Mining Company.
George W. Bowdery.
President.

~~Included in footage~~
reported on 104 form. ~~Do not have~~
~~of~~ Cost data for crosscut does include
charges that should be against above
winze.

Payroll Statement for March 1952

George W Lowdey, hoistman + Supervisor 10 shifts @ 16 per shift = $160.00
less 10.20 Witholding Tax + 2.40 Social Security = $147.40

Emery Hodgson, miner, 10 shifts @ 12 per shift = $120.00
less 2.20 Witholding Tax + 1.80 Social Security = $116.00

William H Lowdey, miner, 10 shifts @ 12 per shift = $120.00
less Witholding Tax, none + 1.80 Social Security = $118.20

Elmer Hodgson, miner, 10 shifts @ 12 per shift = $120.00
less 13.30 Witholding Tax, 1.80 Social Security = $104.90

Frank E Hodgson, miner, 10 shifts @ 12 per shift = $120.00
less 2.20 Witholding Tax + 1.80 Social Security = $116.00

Imogene Mining Company.
George W. Lowdey.
President.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 90

Name of Operator Tungsten Mining Company
Docket No. DMA 838 X
Total Contract Amount $ 10,000
Government Participation: 75 % Amount, $ 7500
Distribution of Expenditures for Month of March

Colorado Branch

Date Rec'd
APR 2 1952
BUREAU OF MINES
Denver, Colorado

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 13 1952

CERTIFICATION

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

Tungsten Mining Company (Name of Company) By George W. Bowding (Signature of Authorized Official)

April 2, 1952 (Date) President (Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	none	200.00	200.00	none	200.00	200.00
(b) Rented[2]	none	none	none	none	none	none
(c) Furnished by operator	125.99	1235.00	1360.99	125.99	1235.00	1360.99
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	640.00	6617.46	7257.46	640.00	6617.46	7257.46
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives	24.12	568.85	592.97	24.12	568.85	592.97
(c) Repair Parts	none	40.01	40.01	none	40.01	40.01
(d) Other	none	57.55	57.55	none	57.55	57.55
7. Power	33.55	283.67	317.22	33.55	283.67	317.22
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	14.50	130.50	145.00	14.50	130.50	145.00
10. Contract Work						
11. Other (specify)						
½ Social Security	9.60	19.20	28.80	9.60	19.20	28.80
Total	847.76	9152.24	10,000.00	847.76	9152.24	10,000.00
Deletions						
Adjusted totals				90.45		
Totals previously reported						
Totals to date				* 757.31		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Russell L. McLellan SWA
Amount approved for payment 567.99 567.99
Remarks

*75% of $757.31 is $567.98, amount due on contract.

$567.98

16—64068-3

Schedule DMA 52-57
June 5, 1952
$567.98

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF March

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	~~Equipment~~ Rental [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting	640.00	125.99	24.12	57.65	847.76	25 ft	25 ft	194 ft	219 ft	250 ft
Crosscutting	none	none	none	none		none	none	165 ft	165 ft	250 ft
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	640.00	125.99	24.12	57.65	847.76	25 ft	25 ft	359 ft	384 ft	500 ft

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

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

224 New Customhouse
Denver 2, Colorado

April 4, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report and Inspecting Engineer's Narrative Report, and other supporting data for the month of February, 1952, pertaining to DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company.

W. H. King

W. H. King, for
J. H. East, Jr.

Enclosures

APR 14 1952

Schedule DMA 52-36

April 1, 1952

$1260.54

4-2-52

Mining Division
Region IV

March 27, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 838X, Contract Idm-890, Tungsten Mining Company, Boulder County, Colorado - Operator's Monthly Progress Report for the period of February, 1952.

Enclosed are the original and three copies of Form MF-104, Narrative Report, and Engineer's Report for the abover period.

Work accomplished is in accordance with the contract and payment is recommended for the amount of $1,260.54, which is 75 percent of the total of $1,680.72.

The allowable amount of Government participation for the month of March is $567.98. This will bring the total of Government Participation to $7,500.00 as stated in the contract.

W. H. KING

W. H. King

Enclosures

WLD:oc

cc: DMA Contract, Chron.
Secretary to Oper. Comm.
WMTraver
AHKoschmann (2)

RRM/amh

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
March 24, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: R. R. McLellan

Subject: DMA 838X, Contract Idm-290, Tungsten Mining Company, Boulder County, Colorado - progress report for February 1952

The underground progress was inspected on March 18 in company with R. L. Holmer and George W. Cowdery. The work accomplished was found to be correct as reported in the narrative. A sketch map of the mine workings showing the progress is included.

At the examination date, Cowdery believed his contract funds were expended and had moved his mining operations to a portion of the mine not specified in the contract. His progress report for March will be for approximately two weeks' work which terminates the project.

The accounts were inspected during the evening at Cowdery's home in Boulder.

Item 2 (c), Equipment furnished, with allowable depreciation, consists of the following:

1 compressor	$150.00
1 hoist	10.00
2 mounted jackhammers	20.00
3 16-cubic-foot mine cars	10.00
	$190.00

Item 4, Labor, correct gross amount as per attached payroll, $1,280.00. Includes $19.20 social security and $149.00 withholding tax. ?

Item 6 (b), Explosives, correct, with receipted invoice for $95.42.

Item 7, Power, correct, with receipted invoice for $67.10.

Item 9 (a), Workmen's compensation, correct, with receipted invoice for $29.00.

Item 11, Other, correct amount for employer's social security, $19.20.

Payment of $1,260.54, or 75 percent of the total $1,680.72 claimed, is approved.

Cowdery has accumulated approximately 20 tons of ore which he estimates will contain from 1 to 2 percent WO_3. This ore was recovered while drifting and prospecting on the 50-foot level but does not signify a sizable discovery. The ferberite was contained in short, very narrow fractures that pinched out a few feet from the major vein. These small feeder veins were located in three places along the 50-foot level.

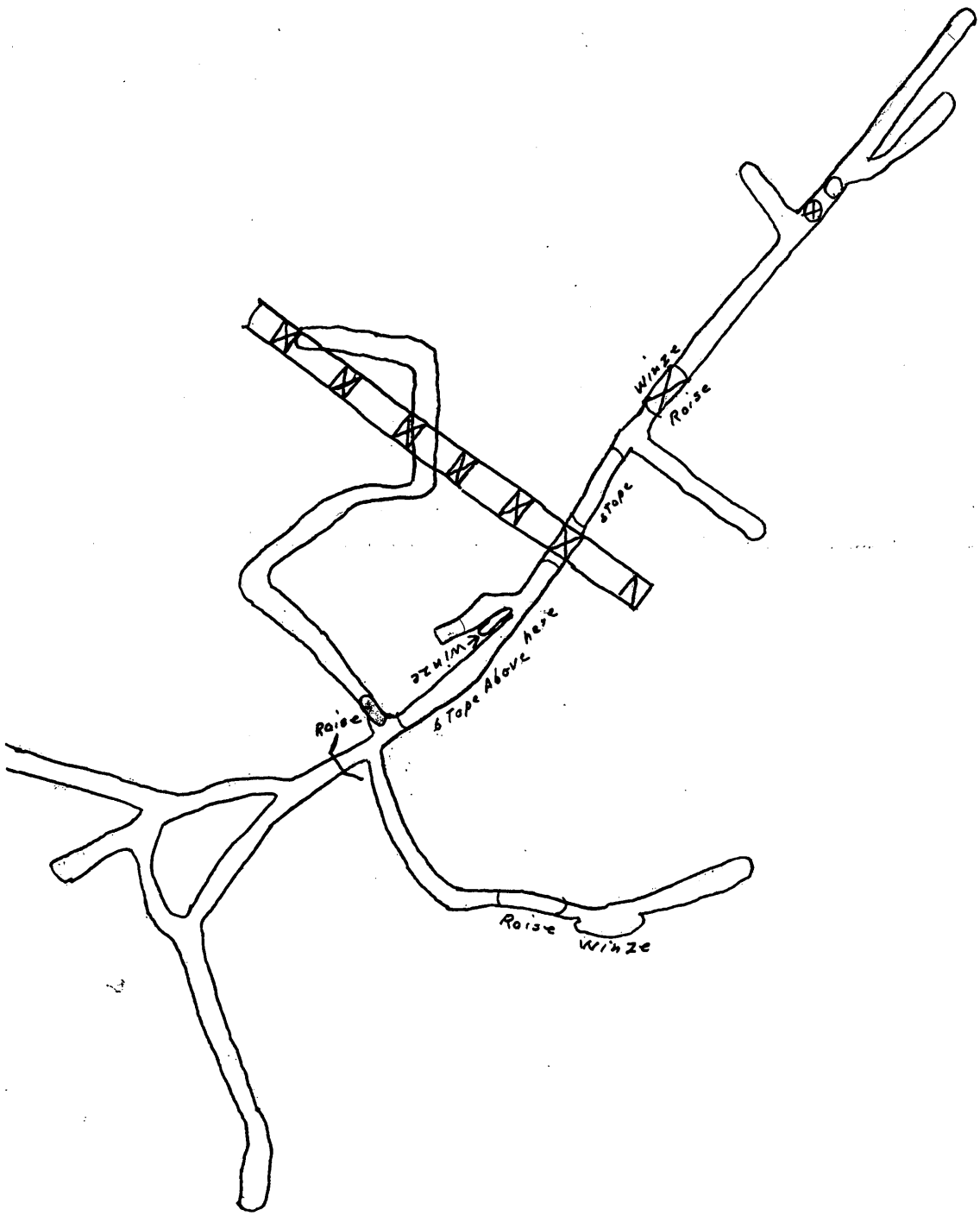
Russell K. McLellan
Russell K. McLellan
Mining Engineer

cc 5
AHEoschmann
290
DMEA Chron.

Copy 4

80' Level "Cha[illegible]" Mine Alt. 8453 Scale 1" = 50'[illegible]

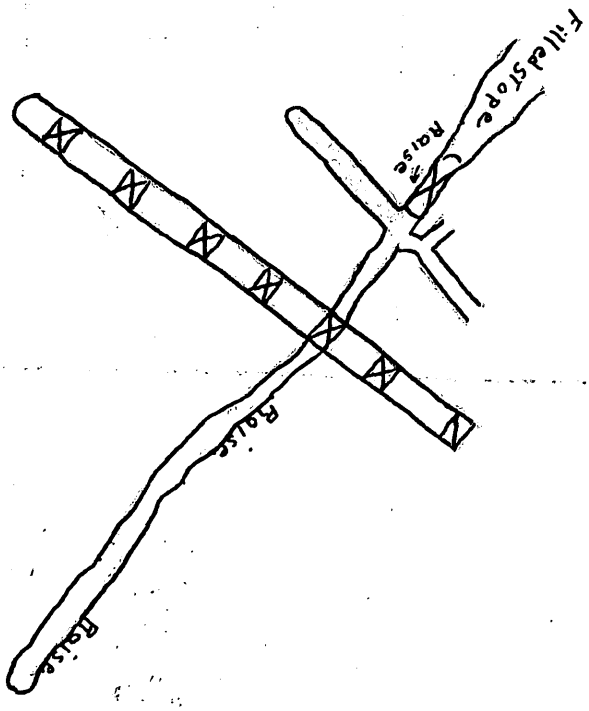
☐ New work this Month
For Feb. 1952



Copy 4

120' Level "Chance [redacted] line Alt. 8405 scale 1" = 50[redacted]

New Work This Month
For Feb. 1952



Payroll Statement for February 1952.

George W Lowdey hoistman & supervisor 20 shifts @ $16 = $320.00
less 42.60 withholding tax and 4.80 social security = $272.60

Emery Hodgson, miner 20 shifts @ $12 per shift = $240.00
less 26.60 withholding tax and $3.60 social security = $209.80

William D Lowdey miner 20 shifts @ 12 per shift = $240.00
less 15.50 withholding tax and $3.60 social security = $220.90

Elmer Hodgson, miner 20 shifts @ 12 per shift = $240.00
less 37.70 withholding tax and $3.60 social security = $198.70

Frank E. Hodgson, miner 20 shifts @ 12 per shift = $240.00
less 26.60 withholding tax and $3.60 social security = $209.80

Youngstown Mining Co
George W Lowdey,
President.

80 shifts.

Narrative for February 1952.

During this month, at point 30 ft West, at level we drifted 11 ft West and underhanded 5 ft deep, 11 feet length, have several tungsten feeders in underhand and in drift face.

We drifted 13 ft on 1st level Eastward and have not encountered anything better.

Put air pipe and water pipe to 2nd level, cleaned up level, timbered same and laid track, 30 ft east of shaft and ran a cross-cut 38 ft into hanging wall, encountered, 3 crevices but no ore in sight.

Tungsten Mining Co.
George W Lowdey.
President.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 90

Name of Operator Tungsten Mining Company
Docket No. DMA 838X
Total Contract Amount $ 10,000
Government Participation: 75 % Amount, $ 7500
Distribution of Expenditures for Month of February

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

Defense Minerals Administration
RECEIVED
APR 14 1952

CERTIFICATION

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

Tungsten Mining Company
(Name of Company)

By George H. Coombs
(Signature of Authorized Official)

March 6, 1952
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	none	200.00	200.00	—	200.00	200.00
(b) Rented[2]	none	none	none	—		
(c) Furnished by operator	190.00	1045.00	1235.00	190.00	1045.00	1235.00
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor [3]	1280.00	5337.46	6617.46	1280.00	5337.46	6617.46
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives	95.42	473.43	568.85	95.42	473.43	568.85
(c) Repair Parts	none	40.01	40.01	—	40.01	40.01
(d) Other	none	57.55	57.55	—	57.55	57.55
7. Power	67.10	216.57	283.67	67.10	216.57	283.67
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	29.00	101.50	130.50	29.00	101.50	130.50
10. Contract Work						
11. Other (specify)						
½ Social Security	19.20	none	19.20	19.20	—	19.20
Total	1680.72	7471.52	9152.24	1680.72	7471.52	9152.24
Deletions						
Adjusted totals						
Totals previously reported				7471.52		
Totals to date				9152.24		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Russell R. McLellan
Amount approved for payment 1260.54
Remarks

WMT. $1260.54. WD #1260.54

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF February

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2] Rental	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting	512.00	76.00	38.17	46.12	672.29	24 ft	24 ft	170 ft	194 ft	250 ft
Crosscutting	768.00	114.00	57.25	69.18	1008.43	38 ft	38 ft	127 ft	165 ft	250 ft
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1280.00	190.00	95.42	115.30	1680.72	62 ft	62 ft	297 ft	359 ft	500 ft

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 90

Name of Operator Tungsten Mining Co
Docket No. DMA 838-X
Total Contract Amount $ 10,000
Government Participation: 75 % Amount, $ 7500
Distribution of Expenditures for Month of January 1952

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Tungsten Mining Co (Name of Company)

By George W Crowley (Signature of Authorized Official)

Feb 18, 1952 (Date)

President (Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	none	200.00	200.00	—	200.00	200.00
(b) Rented[2]	none	none	none	—	—	—
(c) Furnished by operator	190.00	855.00	1045.00	190.00	855.00	1045.00
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	1312.76	3500.08	4812.84	1312.76	3500.08	4812.84
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives	155.89	317.54	473.43	155.89	317.54	473.43
(c) Repair Parts	none	40.01	40.01	—	40.01	40.01
(d) Other Drill Bits	none	57.55	57.55	—	57.55	57.55
7. Power	70.76	145.81	216.57	70.76	145.81	216.57
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	29.00	72.50	101.50	29.00	72.50	101.50
10. Contract Work						
11. Other (specify)						
Withholding tax	200.20	243.00	443.20	200.20	243.00	443.20
½ Social Security	23.04	58.38	81.42	23.04	58.38	81.42
Total	1981.65	5489.87	7471.52	1981.65	5489.87	7471.52
Deletions						
Adjusted totals						
Totals previously reported				5489.87		
Totals to date				7471.52		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Russell R. McLellan Woods WWD
Amount approved for payment 1486.24 $1486.24 $1486.16
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF January

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2] Rental	Supplies	Other [3] Compressor + Power	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting	522.85	64.68	53.06	33.96	674.55	32 ft	32 ft	138 ft	170 ft	250 ft
Crosscutting	1013.15	125.32	102.83	65.80	1307.10	62 ft	62 ft	65 ft	127 ft	250 ft
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1536.00	190.00	155.89	99.76	1981.65	94 ft	94 ft	203 ft	297 ft	500 ft

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

Narrative for January 1952.

Advanced cross-cut, 70 ft west of shaft in hanging-wall, 19 ft this month, This place has been stopped.

30 ft west of shaft, a cross-cut was started into the hanging-wall, following tungsten feeders, this place was advanced 14 ft this month.

The first level main east drift was advanced 32 ft.

A cross-cut was advanced 27 ft in foot wall at a point 10 ft from face of the main east drift, first level. This place has been stopped.

Tungsten Mining Co.
George W Crowley,
President

Payroll Statement for January 1952.

George W Bowden boatman + superior 24 shifts @ 16 = $384.00
less 55.40 withholding tax + 5.76 Social Security = $322.84

Elmer Hodgson, miner 24 shifts @ 12 per shift = $288.00
less 36.20 withholding tax + 4.32 Social Security = $247.48

William D Bowden miner 24 shifts @ 12 per shift = $288.00
less 25.10 withholding tax + 4.32 Social Security = $258.58

Elmer Hodgson, miner 24 shifts @ 12 per shift = $288.00
less 47.30 withholding tax + 4.32 Social Security ~~$240.38~~ 236.38

Frank E Hodgson, miner 24 shifts @ 12 per shift = $288.00
less 36.20 withholding tax + 4.32 Social Security = $247.48

Tungsten Mining Co.

George W Bowden,
President.

224 New Customhouse
Denver 2, Colorado

March 19, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of January, 1952, pertaining to DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company.

W. H. King

W. H. King, for
J. H. East, Jr.

Enclosure

ld

cc: Contract, chron.
Koschmann
Traver, w/1 copy of MF-104.

Schedule DMA 52-32

Mar 13, 1952

$1486.16

3/17/52

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Cen.
Denver 14, Colorado
February 26, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: R. R. McLellan

Subject: DMA 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado - progress report for January 1952.

The underground workings were inspected on February 20 in company with F. D. Everett and George W. Cowdery. The work accomplished was found to be correct as reported in the narrative.

The accounts were inspected during the evening at Cowdery's home in Boulder.

The contractor previously deducted a full 3 percent social security from the gross wages paid to his employees and has submitted revised MF-104 forms for December and January to correct the error. The revised forms show the 1-1/2 percent deduction from wages for employees' social security but fail to show the additional 1-1/2 percent contributed by the employer to make the full 3 percent. He has indicated that he would prefer not to make the employer's claim rather than to revise the MF-104 forms again. He has refunded to his employees the overcharge of 1-1/2 percent social security for each pay period since the project commenced and revised his accounts accordingly. Check stubs verified the refund. His social security payments to the agency are correct through December 30, 1951. The amount for January will be paid with that of February and March at the close of the quarter.

The February and subsequent accounts will show the full 3 percent social security charge properly distributed.

Item 2 (c), Equipment furnished, consists of the following:

1	Compressor	$150.00
1	Hoist	10.00
2	Mounted jackhammers	20.00
3	16 cubic foot mine cars	10.00
		$190.00

Item 4, Labor, is correct as per attached payroll, $1,312.76.

Item 6 (b), Explosives, correct, with receipted invoice for $155.89.

Item 7, Power, correct, with receipted invoice for $70.76.

Item 9 (c), Workmen's compensation, correct, with invoice for $29.00.

Item 11, Withholding tax and social security, is verified by the payroll. The company's 1-1/2 percent social security is not claimed.

Payment of $1,486.24, or 75 percent of the total $1,981.65 claimed, is approved.

Russell R. McLellan

Russell R. McLellan,
Mining Engineer

RRM/dd

cc 5
AHKoSchmann
E90
DMEA Chron.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 90

Name of Operator Tungsten Mining Co
Docket No. DMA 838-X
Total Contract Amount $ 10,000
Government Participation: 75 % Amount, $ 7500
Distribution of Expenditures for Month of December

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Tungsten Mining Co
(Name of Company)

By George W Lowndes
(Signature of Authorized Official)

Feb 18, 1952
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	none	200.00	200.00	none	200.00	200.00
(b) Rented[2]	none	none	none	none	none	none
(c) Furnished by operator	190.00	665.00	855.00	190.00	665.00	855.00
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	723.30	2776.78	3500.08	723.30	2776.78	3500.08
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives	91.60	225.94	317.54	91.60	225.94	317.54
(c) Repair Parts	None	40.01	40.01	none	40.01	40.01
(d) Other Drill Bits	28.63	28.92	57.55	28.63	28.92	57.55
7. Power	33.55	112.26	145.81	33.55	112.26	145.81
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	14.50	58.00	72.50	14.50	58.00	72.50
10. Contract Work						
11. Other (specify)						
Withholding tax	64.70	178.30	243.00	64.70	178.30	243.00
½ Social Security	12.00	46.38	58.38	12.00	46.38	58.38
Total	1158.28	4331.59	5489.87	1158.28	4331.59	5489.87
Deletions						
Adjusted totals						
Totals previously reported				4331.59		
Totals to date				5489.87		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Russell R. McLellan
Amount approved for payment 868.71
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF December

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2] Rented	Supplies	Other [3] Compressor + Powder	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting	800.00	190.00	120.23	48.05	1158.28	46 ft	46 ft	92 ft	138 ft	250 ft
Crosscutting	none	none	none	none	none	none	none	65 ft	65 ft	250 ft
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	800.00	190.00	120.23	48.05	1158.28	46 ft	46 ft	157 ft	203 ft	500 ft

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

C
O
P
Y

NARRATIVE FOR DECEMBER, 1951

We continued our development of vein described in November Narrative. We advanced this vein 46 ft. during the month, it is a well defined vein has had ore on the lower levels, and has survived despite considerable faulting of the country rock near it. It has considerable moisture at this time.

Tungsten Mining Company
/s/ George M. Cowdery
President

C
C
P
Y

PAYROLL STATEMENT FOR DECEMBER, 1951

George W. Cowdery, hoistman & supervisor 15 shifts @ 16	$224.00
leas $23.00 withholding tax and $3.36 social security	$197.64
Emery Hodgson, miner, 14 shifts @ 12 per shift	$168.00
less $11.80 withholding tax and $2.52 social security	$153.68
William D. Cowdery, miner, 14 shifts @ 12 per shift	$168.00
less $11.80 withholding tax and $2.52 social security	$153.68
Elmer Hodgson, Miner, 12 shifts @ 12 per shift	$144.00
less $18.10 withholding tax & $2.16 social security net	$123.74
Frank E. Hodgson, miner, 8 shifts @ 12 per shift	$96.00
less no withholding tax and $1.44 social security	$94.56

Tungsten Mining Company
George W. Cowdery
President

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

Building 20
Denver Federal Center
Denver 14, Colorado
February 27, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: Russell R. McLellan

Subject: DMA-838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado - progress report for December 1951.

W. M. Traver, Jr., and R. R. McLellan inspected the underground workings on January 22. The advance of 46 feet on the handing wall vein on the 80-foot level was found to be correct as reported in the narrative.

No other work was accomplished during December although the progress map shows two drifts ready to start at the east end of the 80-foot level. Work was started early in January. It was recommended, subject to confirmation by Ogden Tweto, USGS, that the hanging wall drift and the righthand drift at the east end of the 80-foot level be discontinued.

Item 2 (c), Equipment furnished, consists of the following:

1 - Compressor	$150.00
1 - Hoist*	10.00
2 - Mounted jackhammers, complete	20.00
3 - 16-cubic-foot mine cars	10.00
2 - Stopers**	40.00
	$230.00

*The hoist is different from the one listed in the contract and is considerably better.
**The stopers are not in use and are not charged for.

Item 4, Labor, is correct as per attached payroll, $723.30.

Item 6 (b), Explosives, is correct with receipted invoice shown for $91.60.

Item 6 (d), Other, is drill bits, cancelled check shown for $28.63.

Item 7, Power, is charged as 50 percent of the invoice, or $33.55.

Item 9 (c), Workmen's compensation, is charged as 50 percent of the invoice, or $14.50.

Item 11, Other, withholding tax and social security, is verified by the payroll. The employer's 1-1/2 percent social security charge has not been claimed.

Total, $1,158.28, is correct by addition of all items listed.

Payment of $868.71, or 75 percent of the total $1,158.28 calimed by the contractor, is approved.

/s/ Russell R. McLellan
Russell R. McLellan,
Mining Engineer

cc 5

AHKoschmann
E90
DMEA Chron.

Payroll Statement for December 1951.

George W Crowder, foreman + supervisor 14 shifts @ 16 = $224.00
less 23.00 witholding tax + 3.36 Social Security net = $197.64

Emery Hodgson, miner, 14 shifts @ 12 per shift = $168.00
less 11.80 witholding tax + 2.52 Social Security = $153.68

William D Crowder, miner, 14 shifts @ 12 per shift = $168.00
less 11.80 witholding tax + 2.52 Social Security = $153.68

Elmer Hodgson, miner, 12 shifts @ 12 per shift = $144.00
less 18.10 witholding tax + 2.16 Social Security net = $123.74

Frank E Hodgson, miner, 8 shifts @ 12 per shift = $96.00
less no witholding tax and $1.44 Social Security = 94.56

Irrigation Mining Co.
George W Crowder,
President.

RRM/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
February 27, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: Russell R. McLellan

Subject: DMA #38X, Contract Idm-890, Tungsten Mining Company, Boulder County, Colorado - progress report for December 1951.

W. M. Traver, Jr., and R. R. McLellan inspected the underground workings on January 22. The advance of 46 feet on the hanging wall vein on the 80-foot level was found to be correct as reported in the narrative.

No other work was accomplished during December although the progress map shows two drifts ready to start at the east end of the 80-foot level. Work was started early in January. It was recommended, subject to confirmation by Ogden Tweto, USGS, that the hanging wall drift and the righthand drift at the east end of the 80-foot level be discontinued.

Item 2 (e), Equipment furnished, consists of the following:

1.- Compressor	$150.00
2.- Hoist*	10.00
2 - Mounted jackhammers, complete	20.00
3 - 16-cubic-foot mine cars	10.00
2 - Stepers**	40.00
	$230.00

*The hoist is different from the one listed in the contract and is considerably better.
**The stepers are not in use and are not charged for.

Item 4, Labor, is correct as per attached payroll, $723.30.

Item 6 (b), Explosives, is correct with receipted invoice shown for $91.60.

Item 6 (d), Other, is drill bits, cancelled check shown for $28.63.

Item 7, Power, is charged as 50 percent of the invoice, or $33.55.

Item 9 (a), Workmen's compensation, is charged as 50 percent of the invoice, or $14.50.

Item 11, Other, withholding tax and social security, is verified by the payroll. The employer's 1-1/2 percent social security charge has not been claimed.

Total, $1,158.28, is correct by addition of all items listed.

Payment of $868.71, or 75 percent of the total $1,158.28 claimed by the contractor, is approved.

Russell R. McLellan

Russell R. McLellan,
Mining Engineer

cc 5
AHKoschmann
E90
DMEA Chron.

Schedul DMA 52-29

Mar 10, 1952

$868.71

WOLD 3/12/52

Narrative for December 1951.

We continued our development of vein described in November Narrative. We advanced this vein 46 ft during the month, it is a well defined vein has had ore on the lower levels, and has survived despite considerable faulting of the country rock near it. It has considerable moisture at this time.

Tungsten Mining Co.
George W. Bowden
President.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 90

Name of Operator Tungsten Mining Co
Docket No. DMA 838-X
Total Contract Amount $ 10,000
Government Participation: 75 % Amount, $ 7500
Distribution of Expenditures for Month of November

Supplemental

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

MAR 24 1952

CERTIFICATION

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

Tungsten Mining Co
(Name of Company)

By George W Crowdery
(Signature of Authorized Official)

Feb 12, 1952
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	SHOULD	BE	AFTER	"LABOR"	WRD	
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Social Security + Withholding Tax	$90.54			90.54		
Total				90.54		
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Russell R. McLellan Wm WRD
Amount approved for payment $67.91 $67.91 $67.91
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

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

224 New Customhouse
Denver 2, Colorado

March 19, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, Operator's Supplemental Progress Report for November, 1951, DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company

Enclosed is Operator's Supplemental Progress Report for November, 1951, pertaining to DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company.

W. H. King

W. H. King, for
J. H. East, Jr.

Enclosure

Defense [illegible]

[illegible] 24 1952

224 New Customhouse
Denver 2, Colorado

March 19, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, Operator's Supplemental Progress Report for November, 1951, DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company

Enclosed is Operator's Supplemental Progress Report for November, 1951, pertaining to DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company.

W. H. King

W. H. King, for
J. H. East, Jr.

Enclosure

ld

cc: Contract, chron.
Koschmann
Traver, w/1 copy of MF-104.

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
MAR 24 1952

Schedule DMA 52-32

Mar 13, 1952

$67.91 3/17/52

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
February 28, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: Russell R. McLellan

Subject: DMA 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado - supplemental report for November 1951.

Reference is made to George W. Cowdery's November account on which he was underpaid for the Government's participation in $90.54, consisting of $21.84 social security and $68.70 withholding tax. As shown on page 3 of form MF-104 for that month, total wages are $728.00. This was erroneously carried forward to "Wages and Salaries" as $546.92 instead of $637.46 and the total should be $1,005.83 instead of $915.29.

Mr. Cowdery has submitted the attached supplementary MF-104 forms to reclaim the $90.54.

Payment is approved of $67.91, or 75 percent of the total reclaim of $90.54.

Russell R. McLellan
Russell R. McLellan,
Mining Engineer

attachments

cc 5
AHKoschmann
E90
DMEA Chron.

February 12, 1952

Mr. W. M. Traver
Denver, Colorado

Dear Mr. Traver:

Please find four supplemental MF-104 reports to recover $90.54 shortage in the November report. The error on the November report was my fault; please note on page 2 item "Wages and Salaries" should be $637.46 instead of $546.92. This change then would balance the unit cost on page 4 which now is out of balance.

Yours very truly,

Tungsten Mining Company

/s/ George W. Cowdery

C
O
P
Y

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DENVER
MAR 24 1952

Narrative Nov 1 to 30.

71 ft West of Tungsten Shaft on 80 ft level we started a cross-cut into the hanging wall, we advanced this cross-cut 57 ft and on Oct 1, intercepted a well defined vein, we have extended this vein eastward 46 ft during October, during Nov at a point 61 ft eastward on this vein we encountered a heavy green schist intrusion which turned the vein at right angles to its regular course, but after the break up, we are on our regular course. In all we advanced 36 ft during November.

Tungsten Mining Co
Geo. W Cowdery
President

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No.
Bu. Vou. No.

PA

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse
(Department, bureau, or establishment)

Voucher prepared at Denver, 2, Colorado 1/8/52
(Give place and date)

THE UNITED STATES, Dr.,

To Tungsten Mining Company
420 Pine Street
(Payee)

Address Boulder, Colorado

Payee's Account No. I-DMA-E-90

(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 general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	November 1951	Brought forward from continuation sheet(s) Certified "Operator's Monthly Progress Report" for the Mineral Exploration Program attached:				686.47	

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 686.47

(Payee must NOT use this space)

Differences _____

Account verified; correct for 686.47

(Signature or initials) _____

Contract No. I-DMA-E-90 Date 8/10/51 Req. No. _____ Date _____ Invoice Rec'd _____

MEMORANDUM

W. H. K.

Approved for payment by:
J. H. East, Jr.

JAN 9 1952

Naomi E. Stokes
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior		686.47

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____, Payee _____
(Sign original only)

* 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.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

Per _____

Title _____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

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, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U.S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

MF-104
(April 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DIST. ENGR.	
EXAMINATION	
DIST. CLERK	
PERSONNEL	
FILES	

Colorado Branch

Date Rec'd
DEC 5 1951
BUREAU OF MINES
Denver, Colorado

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Tungsten Mining Company
(Name of Company)

By George W Bowdey
(Signature of Authorized Official)

Dec 4, 1951
(Date)

President
(Title)

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

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator: Tungsten Mining Company
Project No. DMA: 838-X
Total contract amount: $10,000
Government participation percent: 75%

Distribution of Expenditures for Month of November

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
						2820.94
Wages and salaries	546.92	2183.48	2730.40	637.46	2183.48	~~2820.94~~
Equipment purchase [1]	none	200.00	200.00	—	200.00	200.00
Equipment rental [2]	190.00	285.00	475.00	190.00	285.00	475.00
Buildings	none	none	none	—	—	—
Explosives	47.43	178.51	225.94	47.43	178.51	225.94
Repair parts	none	40.01	40.01	—	40.01	40.01
Other supplies	none	28.92	28.92	—	28.92	28.92
Power	25.90	86.36	112.26	25.90	86.36	112.26
Transportation	none	none	none	—	—	—
Withholding taxes + social security	90.54	180.52	271.06	90.54	180.52	271.06
Compensation insurance	14.50	43.50	58.00	14.50	43.50	58.00
Other insurance	none	none	none	—	—	—
Contract work	none	none	none	—	—	—
Other (specify)	none	none	none	—		
Total (under claim of $90.54)	915.29	3226.30	4141.59	1005.83	3226.30	4232.13
Totals previously reported	3226.30			3226.30		
Totals to date	4141.59			4232.13		

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Shaver, Jr. W. H. K.
Amount approved for payment
Remarks

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF November

Name of operator Tungsten Mining Company
Project No. DMA 838-X
Total contract amount $10,000
Government participation percent 75%

Type	Number	Man-Shifts	Rate	Total
Miners	3	42	$ 12	$ 504
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen Supervisor	1	14	16	224
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	4	56		728

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Craver, Jr.
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF November

Name of operator Tungsten Mining Company
Project No. DMA 838-X
Total contract amount $10,000
Government participation, percent 75%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2] Rental	Supplies Powder	Other [3] Compressor + Power	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting	728.00	190.00	47.43	40.40	1005.83	36 ft	36 ft	56 ft	92 ft	250 ft
Crosscutting	none	none	none	none	none	none	none	65 ft	65 ft	250 ft
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	728.00	190.00	47.43	40.40	1005.83	36 ft	36 ft	121 ft	157 ft	500 ft

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Graves Jr.
Remarks

WMT/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
December 28, 1951

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado - November 1951 progress report

Please find enclosed four copies of the above progress report, form MF-104, and narrative and six copies of this memorandum covering my inspection.

The accounting records were inspected the evening of December 18 at Mr. Cowdery's home, 420 Pine Street, in Boulder. Payrolls, cancelled checks, and paid invoices confirm the totals shown on the MF-104 form.

Equipment rental includes the $230.00 monthly allowance under the contract less $40.00 for two stopers not in use.

Underground progress was inspected the morning of December 26. The 36 feet reported as advance in the drift on the 80-foot level vein is correct. A progress map attached to the November report shows new work in red and includes work at the north end of the level. This drifting, however, was not actually started until December 1 and will be covered in the report for that month.

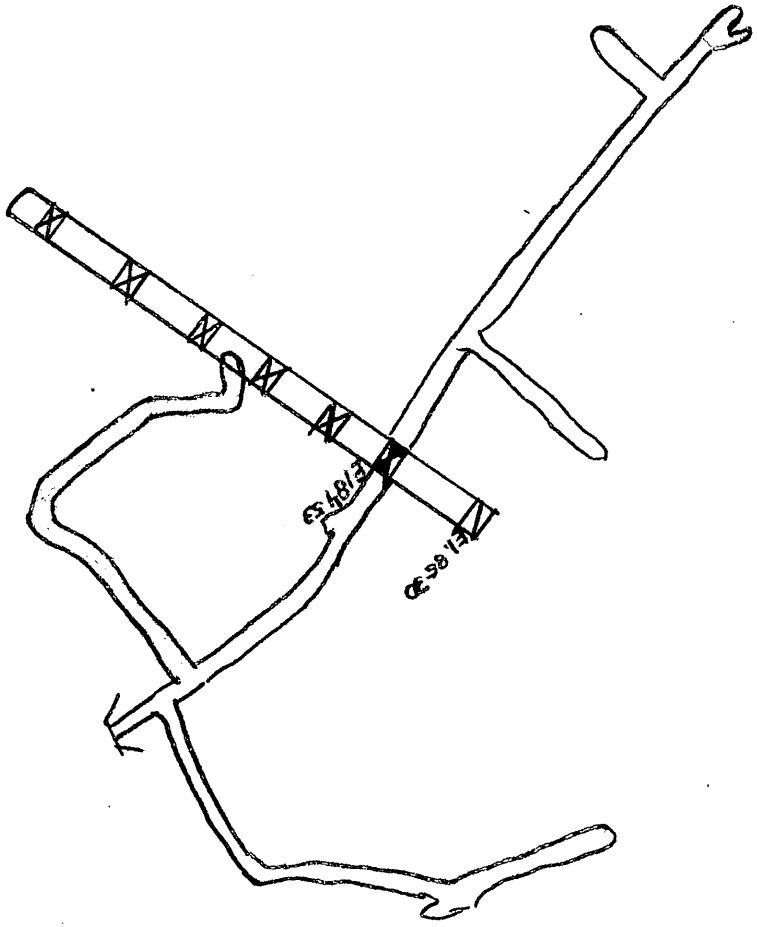
Payment of $686.47, or 75 percent of the $915.29 total reported, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

cc 5
AHKoschmann
E90
DMA Chron.



Tungsten Mine Map 80' Level
Scale 1" = 50'
Work as of Dec. 1, 1951
New Work

Copy!

Narrative Nov 1 to 30.

71 ft West of Tungsten Shaft on 80 ft level we started a cross-cut into the hanging wall, we advanced this cross-cut 57 ft and on Oct 1, intercepted a well defined vein, we have extended this vein Eastward 46 ft during October, during Nov. at a point 61 ft Eastward on this vein we encountered a heavy green schist intrusion which turned the vein at right angles to its regular course, but after the block up, we are on our regular course. In all we advanced 36 ft during November.

Tungsten Mining Co.
George W Bowdey.
President.

Standard Form No. 1034a—Rev.
Form approved by Comptroller General, U. S. May 26, 1938 (Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. DMA-99
Bu. Vou. No.

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $
Comptroller General of the United States
By

U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse
(Department, bureau, or establishment)

Voucher prepared at Denver, colorado 11/29/51
(Give place and date)

THE UNITED STATES, Dr.,

To Tungsten Mining Company
420 Pine Street (Payee)
Address Boulder, Colorado
Payee's Account No. I-DMA-E-90

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 general supply schedule, and other information deemed necessary) Terms ____% Discount Cash ____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	Sept. and October 1951	Certified Brought forward from continuation sheet(s) "Suupplemental Operator's Monthly Progress Report" for the Mineral Exploration Program attached:				142.	50
					Total	142.	50

Shipped from ____ to ____ Weight ____ Government B/L No. ____

(Payee must NOT use this space)
Differences
Account verified; correct for 142 50
(Signature or initials)

Contract No. I-DMA-E-90 Date 8/10/51 Req. No. Date Invoice Rec'd

MEMORANDUM

Approved for payment by: J. H. East, Jr. for W. K. K.

NOV 30 1951

Naomi E. Stokes
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Defense Minerals Administration		142.50

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__, Payee ____ (Sign original only)

* 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.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $____", and over his official title.

Per ____
Title ____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

(*b*) And by notices posted in public places.

(If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

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, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

M-102
(April 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Supplemental

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Tungsten Mining Company
(Name of Company)

By George W. Bowden
(Signature of Authorized Official)

November 20, 1951
(Date)

President
(Title)

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

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator Tungsten Mining Company
Project No. DMA B38-X
Total contract amount $10,000
Government participation percent 75%

Distribution of Expenditures for Month of Sept + Oct

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries						
Equipment purchase [1]						
Equipment rental [2] due $190.00		(Not claimed in Sept + Oct)		190.00		
Buildings						
Explosives						
Repair parts						
Other supplies						
Power						
Transportation						
Withholding taxes						
Compensation insurance						
Other insurance						
Contract work						
Other (specify)						
Total						
Totals previously reported						
Totals to date						

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Wm C Mullan
Amount approved for payment 142.50
Remarks

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF .....

Name of operator .....
Project No. DMA .....
Total contract amount .....
Government participation percent .....

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

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

FOR GOVERNMENT USE ONLY

Checked by .....
Entered by .....
Approved by .....
Remarks .....
.....
.....
.....

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF .....

Name of operator .....
Project No. DMA .....
Total contract amount .....
Government participation, percent .....

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

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

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

FOR GOVERNMENT USE ONLY

Checked by .....
Entered by .....
Approved by .....
Remarks .....
.....
.....

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-96

GENERAL ACCOUNTING OFFICE PREAUDIT		PAID BY
Certified for payment in the sum of $_____	U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse (Department, bureau, or establishment)	
Comptroller General of the United States	Voucher prepared at Denver, Colorado 11/29/51 (Give place and date)	
By _____	THE UNITED STATES, Dr.,	(For use of Paying Office)
	To Tungsten Mining Company 420 Pine Street (Payee)	
	Address Boulder, Colorado	
	Payee's Account No. I-DMA-E-90	

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	October 1951	Certified "Operator's Monthly Progress Report" for the Mineral Exploration Program attached:				790	55

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 790.55

(Payee must NOT use this space)

Differences _____

Account verified; correct for 790.55

(Signature or initials) _____

Contract No. I-DMA-E-90 Date 8/10/51 Req. No. _____ Date _____ Invoice Rec'd _____

MEMORANDUM

Approved for payment by: J. H. East, Jr. W.H.K. NOV 30 1951

Naomi E. Stokes
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Defense Minerals Administration		790.55

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____, Payee _____ }

(Sign original only)

Per _____

Title _____

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

(*b*) And by notices posted in public places.

(If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

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, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934 16—22900-1

MF-104
(April 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Tungsten Mining Co
(Name of Company)

By George W. Bowdey
(Signature of Authorized Official)

Nov. 3 - 1951
(Date)

President
(Title)

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

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator Tungsten Mining Co
Project No. DMA 838 X
Total contract amount $10,000
Government participation percent 75%

Distribution of Expenditures for Month of October

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	736.78	1446.70	2183.48	736.78	1446.70	2183.48
Equipment purchase [1]	none	200.00	200.00		200.00	200.00
Equipment rental [2]	95.00	190.00	285.00	95.00	190.00	285.00
Buildings	none	none	none			
Explosives	65.75	112.76	178.51	65.75	112.76	178.51
Repair parts	none	40.01	40.01		40.01	40.01
Other supplies Drill Bits	28.92	none	28.92	28.92		28.92
Power ½ month	25.90	60.46	86.36	25.90	60.46	86.36
Transportation	none	none	none			
Withholding taxes + Social sec	87.22	93.30	180.52	87.22	93.30	180.52
Compensation insurance	14.50	29.00	43.50	14.50	29.00	43.50
Other insurance	none	none	none			
Contract work	none	none	none			
Other (specify)	none	none	none			
Total	1054.07	2172.23	3226.30	1054.07	2172.23	3226.30
Totals previously reported	2172.23			2172.23		
Totals to date	3226.30			3226.30		

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Graves, Jr.
Amount approved for payment $790.55
Remarks

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF October

Name of operator Tungsten Mining Co.
Project No. DMA 838-X
Total contract amount $10,000
Government participation percent 75%

Type	Number	Man-Shifts	Rate	Total
Miners	4	50	$ 12	$ 600
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen Supervisor	1	14	16	224
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	5	64		$ 824

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Graves, Jr.
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF October

Name of operator Tungsten Mining Co
Project No. DMA 838-X
Total contract amount $10,000
Government participation, percent 75%

Item	Costs: Wages [1] and salaries	Costs: Equipment [2] Rental	Costs: Supplies	Costs: ~~Other [3]~~ Power Compensation	Costs: Total	Progress: Unit	Progress: Units this month	Progress: Units previously reported	Progress: Units to date	Progress: Units authorized by contract
Drifting	824	95.00	84.67	40.40	1054.07	46 ft	46 ft	10 ft	56 ft	250 ft
Crosscutting	none	none	none	none	none	none	none	65 ft	65 ft	250 ft
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	824.00	95.00	84.67	40.40	1054.07	46 ft	46 ft	75 ft	121 ft	500 ft

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Graves, Jr.
Remarks

WMT/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20
Denver Federal Center
November 26, 1951

Mining Division
Date Rec'd.
NOV 26 1951
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado, Progress Report - October 1951

Please find enclosed four copies of the above progress report, form MF-104, and narrative and six copies of this memorandum report of my inspection.

The underground progress was inspected the afternoon of November 19 in company with George W. Cowdery, president and manager. Drifting started October 1 eastward on the vein out on that date and 46 feet advance was measured for the month. Mucking operations have been slow due to the necessity of shoveling into a bucket transported on a dolly from the muck pile to the shaft and hoisting with a small hoist. A new hoist was installed early in November which will speed up the process to some extent. Work is efficiently performed, reflecting the experience of the operator. The drift is approaching a point on the vein where good ore was mined on a lower level.

The operator's books were examined at his home in the evening and cancelled payroll checks and receipted invoices confirm the entries on the MF-104 forms.

Cowdery has claimed only one half the equipment rental he is entitled to for September and October and will probably reclaim the additional amount in a supplemental form. He is also claiming only one half of the power bill and compensation insurance charge.

Payment of $790.55, 75 percent of the total $1,054.07 claimed, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

cc 5
AHKoschmann
E90
DMA Chron.

Narrative Oct 1 to 31 incl.

71 ft West of Tungsten Shaft on the 80 ft. level we started a cross-cut into the hanging wall, we advanced this cross-cut 57 ft and on Oct 1 intercepted a well defined vein, we have extended this East-Ward 46 ft during the Month of October 1951. Sometime during the Month of November we should reach a point where on a lower level, we had ore on this vein.

Tungsten Mining Co.
George W Covington
President.

WMT/ah

Mining Division
Date Rec'd.
OCT 18 1951
BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20
Denver Federal Center
October 18, 1951

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA-838I, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado

Please find enclosed four copies of the subject progress report, form MP-104 for the month of September 1951, and six copies of this memorandum serving as my report of the inspection.

I visited the property October 15, and, with George W. Cowdery, inspected the underground workings, and found the 35 feet advanced to where a vein was cut. correct as reported in the narrative. Drifting was in progress on this vein on the date of my inspection. Work was also in progress moving and repairing the hoist house.

All operations were being carried on in a workman like and efficient manner.

In the evening I inspected the contractor's accounting records at his home at 420 Pine Street, Boulder. These were found in order except that as I interpret the contract, Cowdery is allowed rental of equipment at $230.00 per month, less $40.00 for steepers not in use, or $190.00. This notation is made on the MP-104 forms and reflects an increase in the total claimed from $916.73 to $1,011.73.

Payment of 75 percent of this amount or $758.80 is recommended.

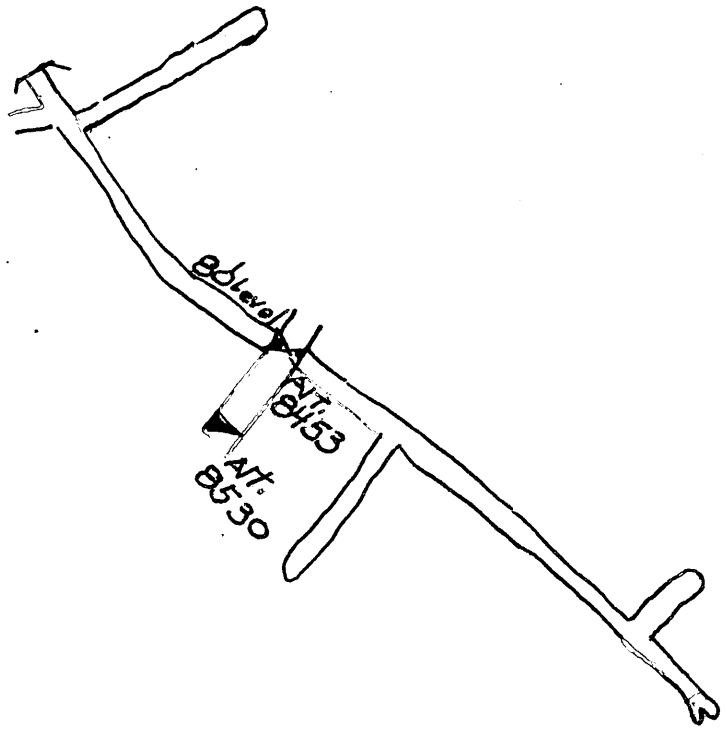
W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

cc 7
Koschmann
E90
DMA Chron.

Scale 1" = 50' Tungsten Mine Map (80' Level)
Date Oct. 1 1951



Tungsten Mining Company
George W Lowden
President

Narrative Sept 1 to 30 incl

71 ft West of Tungsten Shaft on 80 ft level we started a cross-cut into the hanging wall, during August we advanced 22 ft, and during September we extended this same cross-cut 35 ft, at this 57 ft point we have encountered a vein, further work will prove its worth,

Moving and repairing present hoist house was about finished during this period.

Tungsten Mining Company
George W Bowding,
President

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-68

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse
(Department, bureau, or establishment)

Voucher prepared at Denver, Colorado 10/29/51
(Give place and date)

THE UNITED STATES, Dr.,

To Tungsten Mining Company (Payee)
420 Pine Street
Address Boulder, Colorado
Payee's Account No. I-DMA-E-90

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 general supply schedule, and other information deemed necessary) Terms net % Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	September 1951	Certified "Operator's Monthly Progress Report" for the Minerals Exploration Program attached:				687	.55

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 687.55

(Payee must NOT use this space)
Differences _____
Account verified; correct for 687.55
(Signature or initials) _____

Contract No. I-DMA-E-90 Date 8/10/51 Req. No. _____ Date _____ Invoice Rec'd _____

MEMORANDUM

Approved for payment By:
J. H. East, Jr.

Naomi E. Stokes
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Defense Minerals Administration		687.55

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____, Payee _____ (Sign original only)

* 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.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

Per _____
Title _____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

(*b*) And by notices posted in public places.

(If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

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, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

MF-104
(April 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Tungsten Mining Company
(Name of Company)

By George W. Crowdery
(Signature of Authorized Official)

Oct 2, 1951
(Date)

President
(Title)

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

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator Tungsten Mining Company
Project No. DMA 838-X
Total contract amount $10,000
Government participation percent 75%

Distribution of Expenditures for Month of September 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	672.90	773.80	1446.70	672.90	773.80	1446.70
Equipment purchase [1]	none	200.00	200.00	None	200.00	200.00
Equipment rental [2] ~~190.00~~	(95.00)	95.00	~~(190.00)~~	95.00	95.00	190.00
Buildings	none	none	none	None	None	None
Explosives	65.33	47.43	112.76	65.33	47.43	112.76
Repair parts	none	40.01	40.01	None	40.01	40.01
Other supplies	none	none	none	None	None	None
Power ½ month	25.90	34.56	60.46	25.90	34.56	60.46
Transportation	none	none	none	None	None	None
Withholding taxes	43.10	50.20	93.30	43.10	50.20	93.30
Compensation insurance	14.50	14.50	29.00	14.50	14.50	29.00
Other insurance	none	none	none	None	None	None
Contract work	none	none	none	None	None	None
Other (specify)	none	none	none	None	None	None
Total	~~1011.93~~ (916.73)	1255.50	~~2267.23~~ (2172.23)	916.73	1255.50	2172.23
Totals previously reported	1255.50					
Totals to date	~~2267.23~~ (2172.23)					

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Graves Jr. 10-17-51
Amount approved for payment $687.55
Remarks

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF September

Name of operator Tungsten Mining Company
Project No. DMA 838-X
Total contract amount $10,000
Government participation percent 75%

Type	Number	Man-Shifts	Rate	Total
Miners	2	24	$ 12	$ 288
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen Supervisor	1	12	16	192
Surface Repair Building	2	19 2/3	12	236
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	5	55 2/3		$ 716

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Craver, Jr. [illegible]
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF September

Name of operator Tungsten Mining Company
Project No. DMA 838-X
Total contract amount $10,000
Government participation, percent 75%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting	none	none	none	none	none	none	none	10 ft	10 ft	250 ft
Crosscutting	480	(95.00) 190.00	65.33	40.40	(680.73) 775.73	35 ft	35 ft	30 ft	65 ft	250 ft
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation ~~and preparation~~ Shaft House	236	none	none	none	236					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	$716	(~~190.00~~ 95.00)	65.33	40.40	(~~1011.73~~ 1916.73)	35 ft	35 ft	40 ft	75 ft	500 ft

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. M. Graves, Jr. [illegible]
Remarks

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-35

GENERAL ACCOUNTING OFFICE PREAUDIT		PAID BY
Certified for payment in the sum of $_____	U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse (Department, bureau, or establishment)	
Comptroller General of the United States	Voucher prepared at Denver, Colorado 9/27/51 (Give place and date)	
By _____	THE UNITED STATES, Dr.,	(For use of Paying Office)
	To Tungsten Mining Company 420 Pine Street (Payee)	
	Address Boulder, Colorado	
	Payee's Account No. I-DMA-E-90	

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms net % Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	8/16-31/51	Certified "Operator's Monthly Progess Report" for the Mineral Exploration Program attached"				941	63

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 941 63

(Payee must NOT use this space)

Differences _____

Account verified; correct for 941 63

(Signature or initials) _____

Contract No. I-DMA-E-90 Date 8/10/51 Req. No. _____ Date _____ Invoice Rec'd _____

MEMORANDUM

Approved For Payment by:
JHEast, Jr.

SEP 27 1951

Naomi E. Stokes
Authorised Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Defense Minerals Administration		$941.63

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____, Payee _____ }

(Sign original only)

Per _____

Title _____

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

(*b*) And by notices posted in public places.

(If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*) (*b*)" or "2(*a*)", depending on whether or not notices were posted.)

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, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934 16—22900-1

MF-104
(April 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Tungsten Mining Co
(Name of Company)

By George W. Lowdery
(Signature of Authorized Official)

Sept 3, 1951
(Date)

President
(Title)

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

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator: Tungsten Mining Co
Project No. DMA: 838-X
Total contract amount: $10,000
Government participation percent: 75%

Distribution of Expenditures for Month of Aug 16-31 inc

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	773.80	none	773.80	773.80		773.80
Equipment purchase Water Tank	200.00	"	200.00	200.00		200.00
Equipment rental [2]	115.00	"	115.00	95.00		95.00
Buildings	none	"	none			
Explosives	47.43	"	47.43	47.43		47.43
Repair parts Machine hammer	40.01	"	40.01	40.01		40.01
Other supplies	none	"	none			
Power	34.56	"	34.56	34.56		34.56
Transportation	none	"	none			
Withholding taxes	50.20	"	50.20	50.20		50.20
Compensation insurance 1/2 month	14.50	"	14.50	14.50		14.50
Other insurance	none	"	none			
Contract work	none	"	none			
Other (specify)	none	"	none			
Total	1275.50	"	1275.00	1255.50		1255.50
Totals previously reported	none	"	none			
Totals to date	1275.50	"	1275.00	1255.50		1255.50

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by W. T. Mullan
Amount approved for payment
Remarks Less $20.00 for Equip. Rental.

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

16—64068-1

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

Administrative Audit Difference Statement

Date: Sept. 27, 1951
Payee's
Reference: Report for period 8/16-31/51

[illegible] Mining Company
[illegible] 7th Street
Boulder, Colorado

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

Amount claimed $ 1,275.00

Difference $ - 20.00

Amount Approved $ 1,255.00

The reason for the difference was due to:

Rental charge of $15.00 reduced in error of $20.00 because the choppers were not used during this period.

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

Very sincerely yours,

[illegible]
[illegible] Stokes
Audit Section

R-IV - B&F Form No. 4
5-1-51 - 1M

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF Aug 16-31

Name of operator Tungsten Mining Co.
Project No. DMA 838-X
Total contract amount $10,000
Government participation percent 75%

Type	Number	Man-Shifts	Rate	Total
Miners	2	28	$ 12	$ 336
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen Supervisor	1	14	16	224
Surface Repair Building	2	22	12	264
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	5	64		$824

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Wm. Mullan
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF Aug 16–31

Name of operator Yungstrom Mining Co
Project No. DMA 838 X
Total contract amount $10,000
Government participation, percent 75%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3] Power Compensation	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting	$140	78.75	21.86	12.26	252.87	10 ft	10 ft	none	10 ft	250 ft
Crosscutting	$420	236.25	65.58	36.80	758.63	30 ft	30 ft	none	30 ft	250 ft
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation Hoist House	$264	none	none	none	264.00					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	$824	$315.00	87.44	49.06	1275.00	40 ft	40 ft	none	40 ft	500 ft

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Leon Mullen
Remarks Less $420.00 for Equip. Rental

Mining Division
Region IV

September 25, 1951

Memorandum

To: Paul T. Allsman, Chief, Mining Division, Region IV

From: W. D. McMillan, Mining Engineer

Subject: DMA Docket 838-I, Contract Idm-890, Tungsten Mining Co., Boulder County, Colorado - Operator's Monthly Progress Report, Period August 16-31, incl., 1951.

The subject mine was inspected by me on September 24, 1951 in company with George W. Gowdey, President of the company.

As stated by the operator in his narrative report, the northeast drift on the 80-foot level was advanced 10 feet and an 8-foot crosscut was driven on fissures in the face-wall, without finding any ore. At a point 71 feet southwest of the tungsten shaft, a crosscut was started in the hanging wall and advanced 22 feet. The total footage in drifts and crosscuts for the period was forty feet.

Other items under the contract completed or started during the period were:

1 - 5,000 gallon water tank at a cost of $200 was installed.

2 - Under Exhibit E of the contract, the moving and repairing of the shaft house is practically completed. Labor charged to this during the period was $264.00.

3 - All the equipment listed under Exhibit C to be furnished by the operator with allowable rental is at the mine. Rental charged during the period was $115.00, equivalent to one-half of the total of $230.00. This should be reduced to $95.00, however, as the steepers were not used during the period.

The progress report is approved for payment of $941.63, which is 75% of $1255.50.

For purpose of record, as of September 24, the crosscut on the southwest drift of 80 feet level of the tungsten shaft had been advanced from 22 feet to 52 feet. The parallel vein which is the objective of this crosscut should be encountered in another 10 to 15 feet.

At present there are four miners and a foreman employed at the mine. They are only working 3 shifts per week on the contract, however.

The Tungsten Shaft have been retimbered with new ladders to the 120 foot level. This work, as well as repairing the caved cellar of the shaft was done on company account.

All work to date has been done in a workmanlike manner.

W. D. McMillan

WDM:oj

cc: T. A. Christensen
W. M. Traver, Jr.
DMA Subject and Chron, Contract

Narrative Aug 16 - 31 inc

140 ft on the 80 ft level of Tungsten Mine, East, we advanced drift 10 ft and cross-cut into foot wall 8 ft at this point following two tungsten feeders which did not open up

71 ft West of Tungsten shaft on the 80 ft level we started a cross-cut into the hanging-wall advancing 22 ft and we encountered a cross-vein running at right angles to several parallel veins, this may be the means of tungsten feeding from one vein to the others. We intend to push this work.

The State Mine Inspector informed us that the building over the covered shaft should be removed and the equipment housed a specified distance from the shaft, part of this work has been done.

Tungsten Mining Co.
George W Lowdey, Pres.

FILE COPY
SURNAME:

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

Docket No. DMA 838X - Tungsten

July 14, 1952.

Rutledge
Selfridge

F. A. Rutledge

Summary of project
Docket No. DMA 838X - Tungsten
Tungsten Mining Company
Boulder County, Colorado
Exploration Project Contract No. Idm-890

The subject contract provided funds for 500 feet of drifts and crosscuts from the shaft at the Tungsten (Chance) Mine of the Tungsten Mining Company, Grand Island District, Boulder County, Colorado. The exploration was estimated to cost $20.00 a foot making the total contract $10,000.00 of which the Government's share was 75 percent or $7,500.00.

The approximate footages of exploratory work were located as follows:

2 crosscuts and drifts on 80-foot level	100 feet
East extension of 80-foot level	100 feet
1 crosscut and drift on 120-foot level	100 feet
Northeast extension of March vein on 120-foot level	100 feet
1 crosscut and drift on 180-foot level	100 feet
	500 feet

The contract, signed August 10, 1951, was for a period of 12 months. Work under this contract was started August 16, 1951, and completed ~~April~~ March 11, 1952.

Tungsten mineralization of ferberite occurs in veins in a complex series of schist, gneiss, and pegmatite. Some of the ferberite also occurs in small veinlets or "feeders" that branch off of the main veins. It was the ferberite in these veinlets or "feeders" that was the main objective of the subject contract. These veinlets pinch out, however, within a few feet of the main veins.

Three hundred eighty four (384) feet of drifts and crosscuts were driven under this contract. However, the objective and also the manner in which the exploratory workings were directed were not conductive to the discovery of ore since all of the work was done on the small subsiderary veinlets.

Underground personnel varied from 2 to 4 men with the best average advance per man being made when two men were employed. The

Operator, George W. Cmedery, served as supervisor and hoistman but was not charged against the advance. Average advance per man shift and per shift were 0.94 and 1.88 feet, respectively.

The average cost per foot was $26.04 against an estimated cost of $20.00 a foot. This resulted in the completion of only 76.8 percent of the project outlined within the funds allotted.

F. A. Rutledge

FARutledge'lm
7/14/52

cc: G. C. Selfridge
F. A. Rutledge

✓ ~~Audited~~ Reviewed

[redacted]X ANALYSIS SHEET - DMEA PROJEC[redacted]

☐ Actual Cost

~~No~~ Certified

Analysis as of 12/2/1954
Incl. Voucher for

☒ Agreed Unit Costs

Name Tungsten Mining Company

Docket No. DMA-838X

State Colorado

Commodity Tungsten

Idm-E No. 90

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	500'	10,000.00	384'	10,000.00	9,850.00-25.65 ft
Raising					
Shafts					
Winzes					
Drilling (Specify)					
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased		700.00*		-150.00	
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify)		[illegible]		[illegible]	[illegible]
Totals		10,000.00		9,850.00	9,850.00

* Contract was written on 500 feet of work at $20.00 per foot. Equipment to be purchased was included in this cost. On a tank purchased for $200.00 the Operator sent his personal check for $150.00

Prepared by TLC

Note to Docket:

Letter closing out docket
not sent to Operator because
of length of period since
contract closed out.

Hold letter in docket.

FAR

400

FILE COPY
SURNAME:

Rutledge
Mueller

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

Mr. George W. Cowdery, President
Tungsten Mining Company, Inc.
420 Pine Street
Boulder, Colorado

Re: Docket No. DMA 838-X - Tungsten
Tungsten Mining Company, Inc.
Boulder County, Colorado
Contract No. Idm-E-90

Dear Mr. Cowdery:

This is with reference to the subject exploration project contract between Tungsten Mining Company, Inc., and the Government.

The final audit of the contract expenditures and the final reports of the Operator and the Field Team have been received and accepted by this Administration. The total amount of $10,000.00 approved under the contract was expended and the Government's share of 75 percent, or $7,500.00, was disbursed. There were no unused material or supplies to be disposed of for the joint account of the Operator and the Government. The only major item purchased under the contract was a water tank costing $200.00. The Operator has submitted a check payable to the Treasurer of the United States in the amount of $150.00 to cover the Government's interest in the above water tank.

The work was completed in a satisfactory manner.

Because the results of the exploration project were unfavorable, it is, therefore, not our intention to make any certification of discovery or development which would create a lien against the project property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to Paragraph 12 of the contract which requires the Operator to "keep and preserve said records and accounts for a period of three years after the completion of the project or the termination of this contract".

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

Sincerely yours,

Administrator
FARutledge/hhb, 2/16/53

cc: Docket
Field Team, Region 4
Code 400
Admn. Read. File
R. W. Geehan, USBM
D. M. Lemmon, USGS

JAN 13 1959

Mr. [illegible] King, Executive Officer
DMEA Field Team, Region IV
224 [illegible] Building
Denver [illegible], Colorado

Re: Docket No. DMEA [illegible] - Tungsten
Gold [illegible] Tungsten, Inc.
Gold [illegible] Mine
Boulder County, Colorado
Contract No. [illegible]

Dear Mr. King:

This is to acknowledge receipt of your memorandum of January [illegible], 1959, relating especially to supervision charges under the subject contract.

When Mr. [illegible] has submitted the requested statement, which is to detail monthly engineering and geological services, we would appreciate receiving a copy with your comments and recommendations before any formal action is taken if such is deemed necessary.

It appears logical that if the [illegible] were beyond the exploration project for slightly more than a year, [illegible] it should have been adequate for the balance of the project. In the way that it has been [illegible] that [illegible] the sole [illegible] reason for the operation. [illegible] with some [illegible] that have been written in a [illegible] where it was thought that the [illegible] of major [illegible] or [illegible] of facilities might [illegible] the government's [illegible]. In the [illegible] [illegible] the [illegible]. In fact the [illegible] and the [illegible]

In an article by [illegible] [illegible]

[illegible]

to [illegible] ed. [illegible] the examining engineers [illegible] early [illegible] cases out the termina- tion of seemingly unsuccessful projects. The data should be com- piled and presented to Washington [illegible] for [illegible] action.

In fairness to our [illegible] to [illegible] the record straight, we have the following comments to make on the [illegible] para- graph of your letter and the [illegible] below:

(1) Docket No. [illegible] 1962 [illegible] The chart was unobtainable at the time of [illegible] application. [illegible] 1953 [illegible] 1957 = 43, [illegible] lines. [illegible] a loan [illegible] forwarded to [illegible] 1951. [illegible] Washington [illegible] the [illegible] by the Denver office [illegible] letter of July [illegible], 1951. In a letter of June 26, 1951, [illegible] of the contract. The [illegible] of [illegible] Exhibit [illegible], etc., are enclosed for your [illegible].

(2) Docket No. [illegible] 1407 [illegible] The [illegible] the time of the application. In a memorandum of June [illegible], 1951, [illegible] recommended [illegible] of the application for exploration aid, which [illegible] Denver office. On June [illegible], 1951, a memorandum [illegible] signed contract and [illegible] further [illegible]. The [illegible] of the above-mentioned memoranda are enclosed. Washington finally [illegible] the contract after [illegible] during a telephone conversation of June [illegible], 1951.

(3) Docket No. [illegible] 1457, [illegible] The [illegible] which [illegible] at the time [illegible]. [illegible] 1951, recommended that the application be [illegible]. [illegible] June 25, 1951, [illegible] from, [illegible] of the contract. The [illegible] of the above-mentioned memoranda are enclosed.

(4) Docket No. 1451, [illegible] the time of the application. [illegible] [illegible]

[illegible]

Frank E. Johnson

[illegible]

[illegible]

[illegible]

J. H. Hedges

[illegible]

T. P. Shearer

[illegible]

[illegible]

[illegible]

[illegible]

FILE COPY
SURNAME:

FEJohnson

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

JUN 30 1952

Mr. W. H. King
Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMA 838X (Tungsten)
Tungsten Mining Company
Boulder County, Colorado
Exploration Contract No. Idm-E90

Dear Mr. King:

This is to inform you that this Administration concurs with the Field Team's conclusion that no significant discovery or development has resulted from the subject exploration work, and hence, no certification will be made.

Our records show that the above referenced contract was terminated in March 1952, after expenditure of the contract sum of $10,000.00, of which the Government's share was $7,500.00, as reported by your office.

Sincerely yours,

C. O. Mittendorf (for) J.N. 6-30-52

Acting Administrator
Defense Minerals Exploration
Administration

FARutledge/FEJohnson/lm/bih
6/27/52
cc to: Admr's Reading File
Docket
Operating Committee
Region IV
Messrs. R.W.Geehan USBM
D.M.Lemmon USGS
G.C.Selfridge
FARutledge
FEJohnson

FILE COPY 400
SURNAME:

Rutledge
Hulcher
Lemmon
Thayer
Hedges

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

JUN 30 1952

Mr. W. H. King
Executive Officer, Region IV
DMEA Field Team
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMA 538X - Tungsten
Tungsten Mining Company
Boulder County, Colorado
Exploration Project Contract IdA-320

Dear Mr. King:

This is to inform you that this Administration has determined that no significant discovery or development has resulted from the subject exploration work.

The above referenced contract was terminated in March, 1952, after expenditure of the contract sum of $10,000.00. The Government's share of the cost of exploration was $7,500.00.

Sincerely yours,

C. D. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

FARutledge:lm
6/24/52

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

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

224 New Customhouse
Denver 2, Colorado

June 25, 1952

Memorandum

To: Chairman, Operating Committee, Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 838X, Contract Idm-E90, Tungsten Mining Co., Boulder County, Colorado - Operator's Monthly Progress Report for March, 1952

In answer to your memorandum of June 20, 1952, the Operator's Monthly Progress Report for March, 1952 was mailed to the Secretary to the Operating Committee on June 10, 1952. Rec'd 6/13/52 Although it was routed to be sent to you on June 4, 1952 along with the Operator's Final Report, it was not sent till the later date.

W. H. King

W. H. King

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DENVER
JUN 30 1952

Docket 400
FILE COPY
SURNAME:

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

Acting Administrator, DMEA

June 24, 1952

Rutledge
Selfridge
Neubert
Lemmon

Iron and Ferro-Alloy Division, DMEA

Memorandum of Non-Discovery
Docket No. DMA 838X - Tungsten
Tungsten Mining Company
Boulder County, Colorado
Exploration Project Contract No. Idm-890

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

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

1. The property explored is known as the Tungsten (Shanee) mine and is located in the Grand Island Mining District, Boulder County, Colorado.

2. The mineral sought was ferberite which occurs in veins in a complex series of schist, gneiss, and pegmatite. Some of the ferberite is found also in small veinlets or "feeders" that branch off of the main veins and pinch out within a few feet. It was the ferberite in these veinlets or "feeders" that was the main objective of the subject contract.

3. The work done under this contract consisted of driving a 60-foot extension to the northeast from the drift on the 80-foot level. A 30-foot crosscut was started at the same point and driven to the east. No ore was encountered.

   A crosscut started 70 feet southwest of the shaft on the 80-foot level was driven 57 feet to the northwest where a vein structure was intersected. This vein was followed for 70 feet to the northeast by a drift without finding any ore. A 80-foot crosscut driven from the east of this drift to the northwest also did not encounter any ore.

   Another drift, started on the 80-foot level 30 feet southwest of the shaft, followed a small veinlet for 50 feet until the drift intersected the above named crosscut. No ore was found.

   On the 120-foot level, a crosscut was run 37 feet into the hanging wall from a point 30 feet northeast of the shaft. No ore was encountered.

A total of 384 feet of drifting and crosscutting was completed under this contract in place of the contemplated 500 feet.

Though some of the workings were started on small ferberite veinlets which pinched out in a few feet and several of the workings encountered traces of ferberite, no ore nor even any promising indications of ore were found.

4. Approximately 20 tons of ore which the Operator estimates contains between 1 and 2 percent WO_3 was recovered from the narrow, short veinlets encountered while drifting and crosscutting on the 80-foot level.

5. The only major item purchased under the subject contract was a water tank - cost $200.00. The Operator has submitted a check payable to the Treasurer of the United States in the amount of $150.00 to cover the government interest in the above water tank.

6. The project was started August 16, 1951, and completed in March, 1952. The amount expended was $10,000.00 which gave a drifting and crosscutting cost of $26.04 a feet. The Government's share of the exploration was $7,500.00 or 75 percent of the total expenditures.

George C. Selfridge

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

FARutledge'lm
6/24/52

cc: Admn. Reading File
Docket
G. C. Selfridge
F. A. Rutledge

Project OMA 838X- Tungsten Tungsten Mining Company

Contract Idm- E 90 Total contract $10,000 (Government participation 75%) 500 feet D.R.

Month	Advance feet Drifts	Advance feet X-cut	Labor Cost	Labor Cost/ft	Explosives Cost	Explosives Cost/ft	Power Cost	Power Cost/ft	Other Supplies Cost	Other Supplies Cost/ft	Equipment Cost	Equipment Cost/ft	Total Cost	Total Cost/ft	Advance Man Shift	Advance per Shift
August	40		838.50	20.96	47.43	1.19	34.56	0.86	40.01	1.00	295.00 1/	7.38	1255.50	31.39	1.43	2.86
Sept.	35	75	730.50	20.87	65.33	1.87	25.90	0.74	—	—	190.00 1/	5.43	1011.73	28.91	1.46	2.92
Oct.	46	121	838.50	18.23	65.75	1.43	25.90	0.56	28.92	0.63	190.00 1/	4.13	1149.07	24.98	0.92	1.84
Nov.	36	157	742.50	20.62	47.43	1.32	25.90	0.72	—	—	190.00 1/	5.28	1005.83	27.94	0.86	1.72
Dec.	46	203	814.50	17.71	91.60	1.99	33.55	0.73	28.63	0.62	190.00 1/	4.13	1158.28	25.18	0.96	1.92
[illegible]	94	297	1565.00	16.65	155.89	1.66	70.76	0.75	—	—	190.00	2.02	1981.55	21.08	0.98	1.96
Feb.	62	359	1328.20	21.42	95.42	1.54	67.10	1.08	—	—	190.00	3.06	1680.72	27.11	0.78	1.55
March	25	384	664.10	26.56	24.12	0.96	21.69	0.87	—	—	61.30	2.45	757.32	30.29	0.63	1.25
Total	384		7,521.70	19.59	592.97	1.54	305.31	0.80	97.56	0.25	1496.30	3.90	10,000.00	26.04	0.94	1.88
										0.15	0.10					

1/ Charged with depreciation for entire month - Only used on project 1/2 of month.

400

FILE COPY
SURNAME:

Rutledge
Selfridge

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

JUN 20 1952

Mr. W. H. King
Executive Officer, Region IV
DMEA Field Team
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMA 838X - Tungsten
Tungsten Mining Company
Boulder County, Colorado
Expl. Proj. Contract Idm-E90

Dear Mr. King:

Reference is made to the above docket. To date we have not received the Operator's Monthly Progress Report Form MF-104 for the month of March, which according to your memorandum of June 4, 1952, was attached to the final report. After checking with Mails and Files, it was found that Form MF-104 for the month of March was not enclosed with the final report when received.

It would be appreciated if you would forward copies of the March MF-104 form in order that we may close the subject contract.

Sincerely yours,

(signed) FRANK E. JOHNSON (NB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

F.N. 6-20-52

Approved:

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

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

FARutledge:ls 6/18/52

cc: Docket
Admn. Read. File
F. A. Rutledge
G. C. Selfridge
Operating Committee
D. M. Lemmon, USGS
R. W. Geehan, USBM
Field Team, Reg. 4

TUNGSTEN MINING COMPANY
BOULDER, COMPANY

I am familiar with the Tungsten (or Chance) mine of the Tungsten Mining Company from the last period of operation, in 1942 or 1943. It has been one of the most productive mines of the Boulder district, but several "possibilities" for ore remain to be explored. These include the March vein below the workings on the second level, an unexplored vein between the Tungsten and the March, a zone of ferberite veinlets extending into the hanging wall on the second level, a zone of ferberite veinlets extending into the footwall at the top of the stope beneath the third level, and an unexplored tungsten-bearing branch vein near the northeast end of the fourth level. I therefore recommend that the application for an exploration loan be approved.

[illegible]

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

224 New Customhouse
Denver 2, Colorado

June 10, 1952

Memorandum

To: Secretary to Operating Committee, DMEA

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, Docket No. DMA-838X, Contract Idm-E90, Boulder County, Colorado (Tungsten)

Enclosed is one copy of the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the period of March, 1952, pertaining to Project No. DMA-838X, Contract Idm-E90, Tungsten Mining Company.

W. H. King

W. H. King

Enclosure

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DENVER
JUN 13 1952

Return for [illegible] Form 3576

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1952

224 New Customhouse
Denver 2, Colorado

June 4, 1952

Memorandum

To: Chairman, Operating Committee, Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Operators Final Report, DMEA Property Inventory, and Final MF-104 Monthly Progress Report (March) DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado

Enclosed are 4 copies of the final report by George W. Cowdery, President, Tungsten Mining Company, DMA Docket 838X, Contract Idm-E90. Also enclosed are the original and one copy of the inventory of property purchased under the contract, and your copy of the final (March) MF-104 Monthly Progress Report.

All supplies and materials purchased under the contract were expended. The only item of equipment purchased was a 5000-gallon water tank costing $200.00. The operator remitted a personal check for the amount of $150.00, to cover Government equity. This check was deposited in the accounts of C. E. Evans, Regional Disbursing officer, D. O. Symbol No. 413, under Certificate of Deposit No. 1495, May 19, 1952, under 14X4401, Revolving Fund, Defense Production Act.

The total of sums paid by the Government under the contract amounted to $7,500.00. This is 75 percent of $10,000.00, the total estimated cost of the project as set forth in the contract.

The work as stipulated under "Exhibit A" of the contract was modified to the following extent by reasons of conditions encountered, and was approved by DMEA, Region IV.

Project Work

	Stipulated in Contract	Work Accomplished
2 crosscuts & drifts, 80' level	100 ft.	257 ft.
East extension, 80' level	100 ft.	90 ft.
2 crosscuts & drift, 120' level	100 ft.	37 ft.
Northeast extension, March Vein, 120' level	100 ft.	none
1 crosscuts and drift, 180' level	100 ft.	none
	500 ft.	384 ft.

SDS 6-14-52

The operator also accomplished approximately 15 feet of sinking on favorable stringers exposed in the bottom of 80-foot level.

The operator was competent and pursued the work in an efficient and workmanlike manner.

W. H. King

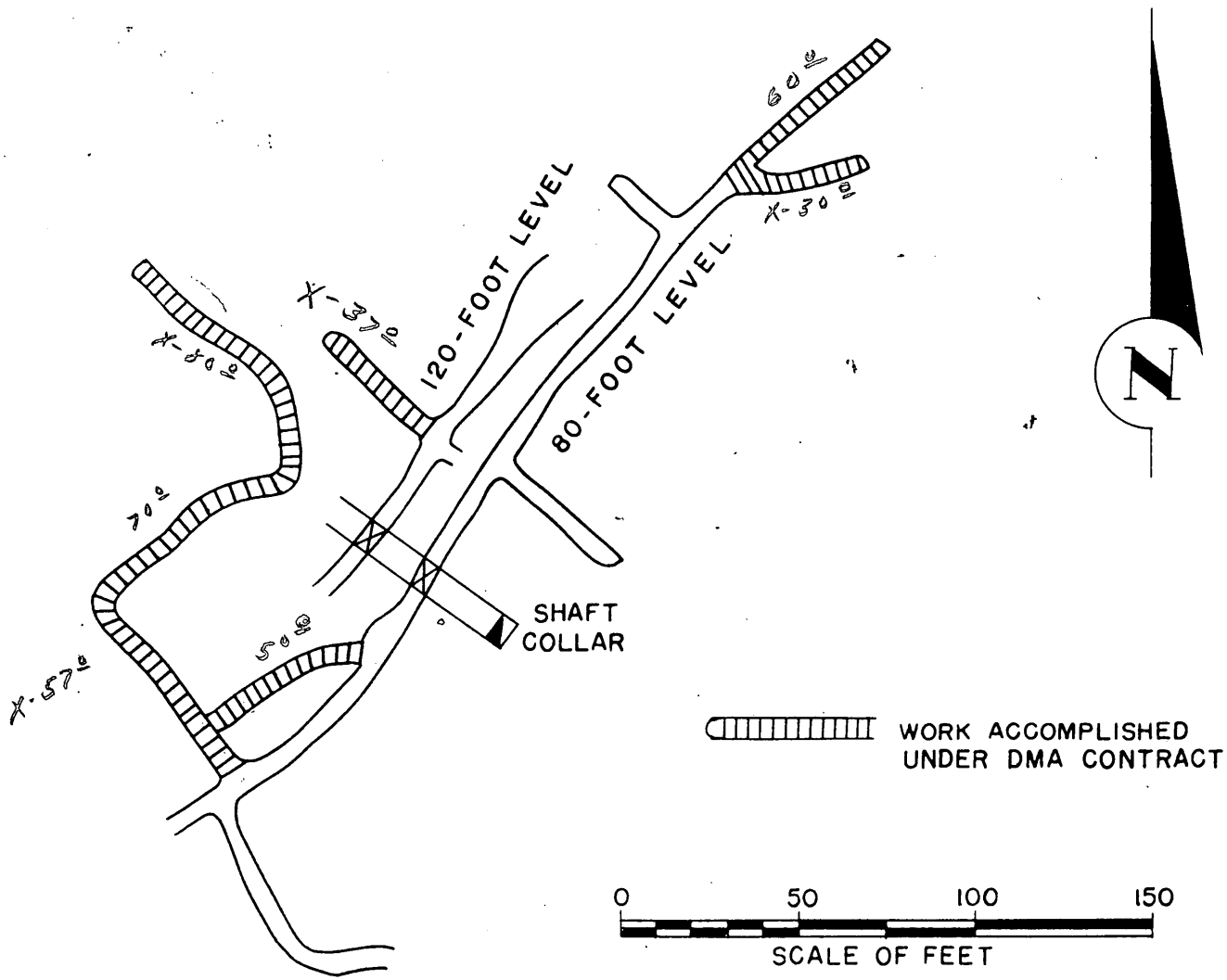
W. H. King

Report of work done on DMA-838X project.

At a point 70 ft west of shaft on 1st level a cross-cut was run 57 ft north to a vein and then drifted east 70 ft and then a cross-cut was run 80 ft north. Then at a point 30 ft west of shaft 1st level, a drift was run on a vein 50 ft until it intersected the above mentioned cross-cut. The east drift was extended 60 ft and a cross-cut was run 30 ft at this same starting point. Also a cross-cut was run 37 ft into the hanging wall on 2nd level 30 ft east of shaft. A total of 384 ft of work was done. All this work was done to locate ore that showed on the surface.

No ore reserve was established by this exploration project. Copies of a map showing this work are attached.

Tungsten Mining Company.
George W Bowdey,
President.



TUNGSTEN MINING CO., TUNGSTEN MINE, BOULDER CO., COLO., DMA-838X

Defense Minerals Exploration Administration

[illegible] New Customhouse
Denver 2, Colorado

March 25, 1952

Inventory of equipment and other property [illegible]

838X Contract Idm-E90

Tungsten Mining Company, Boulder County, Colorado

Article	Description	Condition	Value
1 water tank	200 gallon water tank	new	$ 200.00
	Inventory correct to March 25, 1952.		

Inventoried by: R. R. McLellan

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

224 New Customhouse
Denver 2, Colorado

June 4, 1952

Memorandum

To: Chairman, Operating Committee, Defense Minerals Exploration Administration

From: DMEA Field Team, Region IV

Subject: Final Report on Completed Project, DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado

Enclosed are four copies of the final engineering and geologic reports by the Bureau of Mines and Geological Survey on work accomplished under DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado.

The operator accomplished 384 feet of the proposed 500 feet of laterals. The total cost of the project was $10,000 and Government participation amounted to $7,500.

No significant discovery was made.

W. H. King

W. H. King

A. H. Koschmann

A. H. Koschmann

JUN 9 1952

Mining Division
Region IV

May 26, 1952

Memorandum

To: DMEA Field Team, Region IV

From: Acting Chief, Minining Division, Region IV

Subject: DMA Docket 838X, Contract, Idm-E90, Tungsten Mining Co., Inc., Boulder County, Colorado - Final Report

Enclosed please find nine copies of the final report on the above contract.

There was no ore discovery made.

W. H. King

W. H. King

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1952

Reviewed by
DMEA OPERATING COMMITTEE

6-13-52
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 8, 1952

Mining Division
Date Received
MAY 1952
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 838I, Contract Idm-890, Tungsten Mining Company, Inc., Boulder County, Colorado - Final Report

Please find enclosed nine copies of Russell R. McLellan's final report on the subject contract.

Work on the project was terminated in March 1952 without a significant ore discovery being made.

The engineer's report recommends that, as soon as a final report is received from the contractor satisfactory to the Region IV Field Team, payment of any unpaid sums due him be made. I concur.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 8, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: Russell R. McLellan

Subject: DMA 838X, Contract Idm-E90, Tungsten Mining Company, Inc., Boulder County, Colorado - Final Report

Under contract Idm-E90, dated August 10, 1951, a total expenditure of $10,000.00 was authorized to drive an estimated 500 feet of exploratory crosscuts and drifts on three levels of the Tungsten lode mine, Boulder County, Colo. The Government's participation amounted to $7,500.00, or 75 percent of the total, conforming to section 9 of form MO-5 for tungsten exploration.

George W. Cowdery, president of the Tungsten Mining Company, Inc., proposed to distribute the 500 feet of crosscutting and drifting as follows: 200 feet on the 80-foot level, 200 feet on the 120-foot level, and 100 feet on the 180-foot level, at an estimated cost of $20.00 per foot.

The cost per foot was underestimated; consequently, only 384 feet of the proposed 500 feet was completed at a total cost of $10,000.00, or $26.04 per foot. All work was confined to the 80-foot level and the 120-foot level, as illustrated on the attached map.

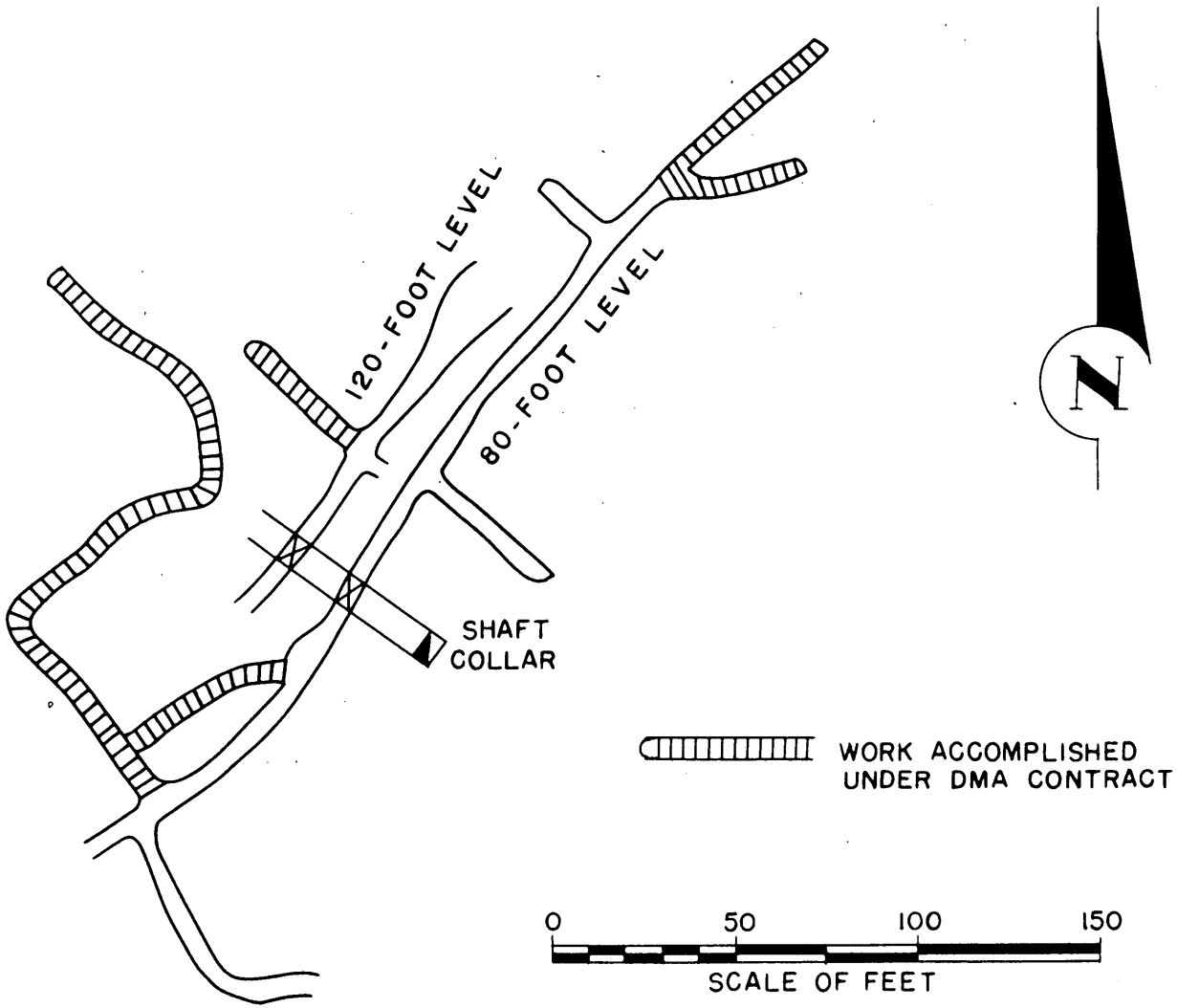
Exploration ceased in March 1952 with no significant discovery being made. The structure encountered on both levels did not encourage further work, and Cowdery preferred not to apply for additional funds to complete the original proposals. No ore reserve whatsoever can be established as a result of the exploration.

The Government participated in the purchase of one item of operating equipment, a 5,000-gallon water tank at a cost of $175.00 to the Government and $25.00 to the operator. The operator stated that he could use the tank and submitted in payment therefor a check payable to the Treasurer of the United States for $150.00.

The final progress examination was completed by the Bureau of Mines on April 18, 1952. The company accounts were checked on that date and were found to be in agreement with those of the Government for the project.

Upon receipt of the operator's final report, it is recommended that the contract be closed and payment made of the balance due him.

Russell R. McLellan
Mining Engineer



COLORADO BRANCH - MINING DIVISION - REGION IV

BUREAU OF MINES

TUNGSTEN MINING CO., TUNGSTEN MINE, BOULDER CO., COLO., DMA-838X

April 3, 1952

Memorandum

To: DMEA Field Team, Region IV

From: Ogden Tweto, U. S. Geological Survey

Subject: Completion of exploration Contract Idm-E90, DMA Docket 838X, Tungsten (Chance) Mine, George W. Cowdery, Boulder County, Colorado

Work under Exploration Contract Idm-E90 at the Tungsten mine of George W. Cowdery, in Boulder County, Colorado, was completed in March 1952. Advances of 10 to 190 feet were made in each of 7 different headings on the 80- and 120-foot levels. Some of the headings were started on ferberite "feeders" or veinlets which proved to peter out in a few rounds, and one or two headings encountered traces of ferberite, but no ore, nor even any promising targets, were found.

No significant discovery was made.

Ogden Tweto

Approved A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

FILE COPY 400
SURNAME:

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

Rutledge

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

May 21, 1952

F. A. Rutledge

Summary of working productivity to March 1, 1952
Exploration Project Contract No. Idm-M90
Docket No. DMA 838X - Tungsten
Tungsten Mining Company
420 Pine Street
Boulder County, Colorado

Underground exploration at the mine of the Tungsten Mining Company in Boulder County, Colorado, consisted of drifting and cross-cutting using force account. The operator, George W. Cowdery, served as supervisor and hoistman and was not charged against the footage advance per shift, though his salary is included in the total cost as supervision.

In the exploration, the new workings were divided between three levels with the major share on the 80-foot level. Broken rock was trammed in a bucket on a dolly to the shaft for hoisting. A small hoist was used until early in November, when a new hoist was installed.

Underground personnel varied from 2 to 4 men with the best average advance being made when two men were employed. Average advance per man shift was 0.98 foot. This fell from a high of 1.46 feet to 0.78 feet at the end of the project. Average advance per working shift was 1.95. Again the best advance per shift was made at the start of the project when only two miners were employed. The advance per shift worked declined from a high of 2.92 feet per shift to 1.55 feet per shift during the last period of the contract.

The average footage cost of the project was $25.52 per foot. This included all charges with the operator furnishing all equipment on a depreciation basis. Average costs per foot for the periods varied from a high of $31.90 per foot during August to a low during January of $21.10 a foot.

The original estimate was based on an expected cost of $20.00 a foot.

FARutledge'lm
5/21/52

cc: Docket
F. A. Rutledge

F. A. Rutledge

Month	Advance feet	Man shifts	Miners	Shifts worked	feet advance per man shift	feet advance per shift
Aug. (16-31) 51	40	28	2	14	1.43	2.86
Sept.	35	24	2	12	1.46	2.92
Oct	46	50	4	25	0.92	1.84
Nov.	36	42	3	21	0.86	1.72
Dec.	46	48	4	24	0.96	1.92
Jan. -52	94	96	4	48	0.98	1.96
Feb.	62	80	4	40	0.78	1.55
	359	368		184	0.98	1.95
March	25	40	4	20	0.63	1.25
	384	408		204	0.94	1.88

Note: Muck trammed in a bucket on dolly to shaft. Small hoist used until early in November when new hoist installed.

MONTHLY PROGRESS

MONTH	ADVANCE DRIFT	ADVANCE X-CUT	ADVANCE TOTAL	COST	COST PER FOOT		CUMULATIVE PROGRESS % OF TIME CONSUMED	% OF WORK COMPLETED	% OF FUNDS CONSUMED
AUG (16-31) 1951	10	30	40	1275.50	31.90	31.89	4	8	12
SEPT. "	—	35	35 75	1011.73	28.90	28.91	12	15	22
OCT. "	46	—	46 121	1054.07	22.90	22.91	21	24	33
NOV. "	36	—	36 149.157	1005.83	27.90	27.93	29	31	43
DEC. "	46	—	46 193-203	1158.28	25.10	25.18	37	41	55
JAN. 1952	32	62	94 237 297	1981.65	21.10	21.08	46	59	75
FEB. "	24	38	62 ~~349~~ 359	1,680.72	27.15	27.11	55	72	92
				9,167.78	~~Ave 26.27~~ 25.54				

SEPT. & OCT. (SUPPLEMENTARY REPORT) 190.00 ?

NOV. " " 90.54 ?

PROJECT DMA No. 838X TUNGSTEN MINING CO. BOULDER, COLORADO
CONTRACT 1DM-E90; TOTAL LOAN $10,000 (75% GOVT. PARTICIPATION)
SCHEDULED ADVANCE 500 FT. (DRIFTS & CROSSCUTS)
ALLOWABLE COSTS $10,000
ALLOWABLE COST/FT. $20.00
TIME LIMIT 12 MOS.
DATE OF CONTRACT AUG. 10, 1951

Tungsten Mining Co., Boulder County, Colorado DMA 238-X
Contract 1DM-E90 August 10, 1951 - 12 mos. duration
500 ft drifts and x-cuts @ $20/ft = $10,000 (75% participation)
Above sum ($10,000) includes cost of water tank to be purchased for $200 & mine pump to be purchased for $300; tank bought but no record of purchase of any pump. Operator returned $150 to gov't to pay for tank.
Work started in Sept. 1951 and ~~was reported as completed~~ funds were exhausted in March without any discovery being made. Followed tungsten feeders in crosscut of 1st level main east drift. Says will work about 2 weeks in March, salvaged 20 tons of ore of 1-2% WO_3.

Excerpt from Monthly Report, Region IV, April 21 to May 20, 1952

DMA 838X - Tungsten Mining Company, Boulder County, Colorado (Tungsten)

Memo report on general progress of DMEA contract submitted, (Author, McLellan).

Excerpt from Monthly Report, Region IV, March 21 to April 20, 1952

DMA 838X - Tungsten Mining Company (Tungsten), Boulder County, Colorado

Work under the contract has been completed. Final reports are in preparation. No discovery was made.

Excerpt from Monthly Report, Region IV, April 21 to May 20, 1952

DMA 838X - Tungsten Mining Company (Tungsten), Boulder County, Colorado

Work under the contract has been completed. Final reports have been submitted. No discovery was made.

400

FILE COPY
SURNAME:

Selfridge
Hoffman
Johnson

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

APR 30 1952

Mr. J. H. East, Jr.
Executive Officer, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMA 838X - Tungsten
Tungsten Mining Company
The Dasie, Tungsten, March, et al. claims
Boulder County, Colorado
Exploration Project Contract Idm-E90

Dear Mr. East:

This is in reply to your letter of April 21, 1952, regarding the purchase of a water tank by the Operator which was acquired under the subject contract.

You are hereby authorized to accept Mr. Cowdery's check for $150, which is equivalent to the amount of participation by the Government in the tank's original cost.

Sincerely yours,

C. O. Mittendorf

P.N. 4-30-52

Acting Administrator
Defense Minerals Exploration
Administration

GCSelfridge:ls
4/28/52

cc: Docket
Admn. Reading File
G. C. Selfridge
Field Team, Region IV
J. L. Chambers
Operating Committee

Sel

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REGION IV

OFFICE OF
REGIONAL DIRECTOR

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

April 21, 1952

Memorandum

To: C. O. Mittendorf

dma 838

From: Executive Officer, Field Team, Region IV

Subject: Contract DMA E-90, George W. Cowdery

The Tungsten Mining Company, George W. Cowdery, President, has completed DMA Contract E-90 without making a discovery.

The only equipment purchased under this contract was a water tank costing $200.00.

George W. Cowdery wishes to purchase the water tank and has submitted a check payable to the Treasurer of the United States for $150.00. We attach a copy of his letter dated April 17.

The Field Teams do not have the authority to sell equipment in which the Government has an interest, and it is my understanding that the Administrator is the only person at present that can approve of the sale of equipment in which the Government has an equity. Will you please advise me formally if you will approve the sale of this equipment for the price named. We are holding the check pending receipt of your decision.

J. H. East, Jr.

J. H. East, Jr.

Enclosure

Copy to: W. H. King
W. M. Traver, Jr.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 2 4 1952

Copy retained 400

Mr. J. H. East Jr.
Denver, Colorado

April 17, 1952

Dear Mr. East.

Regarding our DMA-838X loan contract amount $10,000 Government Participation 75 % of this amount. We did 219 ft of drifting and 165 ft of crosscutting.

No discovery made.

Wish to buy the water tank which was only equipment purchased under contract.

All final examinations have been completed by Government.

Yours very truly,

Tungsten Mining Company

(s) George W. Cowdery, Pres.

COPY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
DEC 2 0
APR 24 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Mineral Administration
Washington 25, D. C.

838

Idm E-90

224 New Customhouse
Denver 2, Colorado

March 20, 1952

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Executive Officer, Region IV

Subject: Monthly Progress Reports, Form MF-104

Enclosed is one copy of the Monthly Progress Report, Form MF-104 and one copy of the narrative report for DMA Docket 838 , Contract No. Idm-E90 for the months of Aug. 16, 51 - Aug 31, 51, incl., September 51, October 51, and November 51. Enclosed is Monthly Progress Report, supplemental, for September and October 51.

W. H. King.
W. H. King, for
J. H. East, Jr.

Enclosures

MAR 24 8 25 AM '52
DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.

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

224 New Customhouse
Denver 2, Colorado

March 19, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of January, 1952, pertaining to DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company.

W. H. King

W. H. King, for
J. H. East, Jr.

Enclosure

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
MAR 24 8 25 AM '52

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

224 New Customhouse
Denver 2, Colorado

March 14, 1952

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 838, Contract Idm-E90, Tungsten Mining Company, Boulder County, Colorado

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of December, 1952, pertaining to DMA Docket 838X, Contract Idm-E90, Tungsten Mining Company.

J. H. East, Jr.

J. H. East, Jr.

Enclosure

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 21 1952

Excerpt from Monthly Report, Region IV, January 21, 1952 to February 20, 1952

DMA 838X - Tungsten Mining Company (Tungsten), Boulder County, Colorado

The crosscut west of the shaft was advanced 19 feet and stopped. 10 feet from the face of the main east drift on the first level a crosscut was driven 27 feet into the footwall and has been stopped. The first level main east drift was advanced 32 feet. At a point 30 feet west, a crosscut was started into the hanging wall. It was advanced 14 feet and is following tungsten "feeders".

Excerpt from Monthly report, 12/21/51 - 1/20/52, of Region IV, page 6:

DMA-838X - Tungsten Mining Company, (Tungsten), Boulder County, Colorado.

The drift on the vein on the 80-foot level was advanced 46 feet during December.

Excerpt from Monthly Report, Region IV, Mining Division, dated November 21, 1951, to December 20, 1951.

Page 6

DMA-838X - Tungsten Mining Company, (Tungsten), Boulder County, Colorado

The drift on the vein on the 80-foot level was advanced 36 feet in November. Preparations were made and work started also to extend the 80-foot level breast eastward as allowed under the contract.

~~Not in file~~ - ~~Jas Adams~~ -

FILE COPY
SURNAME:
400
Mittendorf

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

AUG 29 1951

G.E.E.

Contract Service Section
General Accounting Office
Washington 25, D.C.

Re: Docket DMA 838X
Exploration Project Contract
Idm-290
Tungsten Mining Company
Boulder County, Colorado

Gentlemen:

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

Sincerely yours,

C. O. Mittendorf

C. O. Mittendorf, Director
Production Expansion Division

J.F. 8/29

Enclosure-1

HEOlund/meh
cc to: Adm. Reading File
Reports and Records
Mr. Mittendorf, Mr. Olund
Docket
Mr. Holderer
Mr. Thayer
Region IV (2)
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

August 13, 1951

Memorandum

To: C. O. Mittendorf, Director, Production Expansion Division
Defense Minerals Administration

From: Executive Officer, DMA Field Team, Region IV

Subject: Exploration Project Contract Idm-E90, DMA Docket 838X
Tungsten Mining Company, Boulder County, Colorado

Enclosed herewith are original and three copies of the contract as listed above, which have been signed by the operator.

The applicant has been given one copy and one copy is being retained for DMA Files.

J. H. East, Jr.

J. H. East, Jr.

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 16 1951

FILE COPY
SURNAME:

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

SH. Manes.

C. E. C.

AIR MAIL

Mr. H. H. East, Jr.
Executive Officer
DMA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Tungsten Mining Co., DMA-838X
420 Pine Street
Boulder, Colorado

Dear Mr. East:

There will accompany this letter:

6 - Cancelled Exploration Project Contract forms
6 - Exploration Project Contracts with accompanying Exhibits "A" "B" "C" "D" "E", Landlord's Subordination Agreements and signed ready to receive signature of applicant.
1 - Copy of Mining Lease
3 - Copies of maps
1 - Copy of letter from our General Counsel explaining the reasons why it was necessary to prepare other copies of the contract.

Will you have applicant sign all six copies of the contract and change the date of the Subordination Agreements in accordance with the instructions given by the General Counsel.

Also please supply five additional copies of the Mining Lease and three copies of the maps which are to be attached to the contracts.

When the contracts have been completed in accordance with instructions from the General Counsel and signed by applicant, please deliver one complete copy to the applicant, retain one complete copy for your files, and return four copies to this office for further distribution.

A copy of the contract required by the Regional Finance Office will be forwarded directly by the Washington Finance Section, together with accounting instructions.

Sincerely yours,

8/3

C. O. Mittendorf

C. O. Mittendorf, Director
Production Expansion Division

Enclosures

APPROVED:

Chairman, Coordinating Committee

Member, Geological Survey

Member, Bureau of Mines

SPWarren/ecl

cc to: Admr's. Reading File
Messrs. Mittendorf - Olund
Reports & Records
Docket
Field (2)
Holderer
Thayer
Warren

FILE COPY
SURNAME:

Guthrie

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

July 24, 1951

Memorandum

To: Chief, Production Expansion Division

From: General Counsel

Subject: Tungsten Mining Company exploration project contract — Docket No. DMA-838X

The contract in the captioned case is approved as to legal form and sufficiency subject to the correction of the description of the property. As it stands now the description in paragraph 2 does not agree with that of Exhibit "A", and neither agrees with that of the lease attached. We suggest that the description in the lease be used in paragraph 2 and that the description be omitted altogether in Exhibit "A".

At the time of delivery of the contract to the operator the effective date should be inserted. An erroneous date has been inserted in the subordination agreement as the date of the exploration agreement, and while we are not withholding approval on that account, we believe that an effort should be made to prevent the signors of subordination agreements from making this mistake.

Your file is returned herewith.

J. L. Hofflund

J. L. Hofflund
General Counsel

Attachment
RRGuthrie/bjl

Copy to: R. R. Guthrie
J. L. Hofflund
Chron.
Files

Speaker

GEORGE W. COWDERY
Coal and Tungsten
420 PINE STREET
BOULDER, COLORADO

July 23, 1951

Defense Minerals Administration,
Washington 25, D.C.

Dear Sirs,

Please find four copies of MT 100, the questions are answered as required in Section 5, MO-7 of May 10 - 1951.

Yours very truly,
George W. Cowdery, Pres.
Tungsten Mining Company.

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

July 17, 1951

Tungsten Mining Company, Inc.
420 Pine Street
Boulder, Colorado

We cannot take final action on your application for serial number for the reason(s) checked below:

✓ 1. You have not submitted four copies of MF-100 as requested. We are returning your original submission, together with 5 copies of MF-100 for your use in submitting a complete application.

__ 2. Certification unsigned by authorized official.

__ 3. Question(s) _____ of MF-100 not completely answered.

__ 4. Please indicate kind and quantity of product mined or processed during 1948, 1949 and 1950, and present monthly average.

__ 5. Your operation exceeds limitations for "Small Producer" as set forth in Sec. 5 of MO-7. We enclose a set of Form MF-100 for your use in making proper application.

__ 6. Your letter application does not give all the information requested in Sec. 5 of MO-7, copy of which is enclosed.

__ 7. Your letter indicates your operations would class you as a "Producer" as defined in Sec. 2 of MO-7. If you will need any priorities assistance, it would be well to file application for a serial number.

__ 8. Not in operation. Please resubmit when operation is resumed and priorities assistance is required.

__ 9. This office will appreciate it if you will break down your operations by states, filing a separate application for your operations in each state. Metallic and non-metallic mines should not be grouped under one application. _____ additional sets of MF-100 are enclosed for your use in making this breakdown.

Any reply to this request should be addressed to:

Defense Minerals Administration
Requirements Division -- MO-7
New Interior Building
Washington 25, D. C.

99310

FILE COPY
SURNAME:

Guthrie

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

July 12, 1951

Memorandum

To: C. O. Mittendorf

From: J. L. Hofflund

Subject: DMA No. 838-X
Tungsten Mining Company

The subject contract is returned to you for correction as per conversation between Mr. Warren and Mr. Guthrie.

J. L. Hofflund

J. L. Hofflund
General Counsel

Attachment

RRGuthrie/ema

Copy to: L. F. Strobel
R. R. Guthrie
J. L. Hofflund
Chron.
Files

DMA 838

838

FILE COPY
SURNAME:

SPWarren

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

July 9, 1951

Memorandum

TO: J. L. Hofflund

FROM: C. O. Mittendorf

SUBJECT: DMA No. 838-X
Tungsten Mining Company

We are forwarding herewith for your review and approval certain data pertaining to the captioned applicant.

Original and five copies of:
Exploration Project Contract signed by applicant
Exhibits A-B-C-D-E
Landlord's Subordination Agreement

Three copies of:
Geologic map of Tungsten and Sunday Mines

One copy of:
Mining Lease

We would appreciate your consideration of these data at your early convenience.

SPWarren/meh
cc to: Strobel
Mittendorf, Olund
Warren
Hofflund
FILES

DMA 838

258

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

DMA No. 8387

224 New Customhouse
Denver 2, Colorado

July 3, 1951

Memorandum

To: C. O. Mittendorf, Director, Production Expansion Division
Defense Minerals Administration

From: Executive Officer, DMA Field Team, Region IV

We are forwarding you six copies of Form MF-202 signed by George W. Cowdery, of the Tungsten Mining Company, Inc.

J. H. East, Jr.

J. H. East, Jr.

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 9 - 1951
LANDON F. STROBEL
Executive Secretary

Rec by SPW on July 11-'51

Sundry [illegible] [illegible] June 19, 1956

Non approved. DMM-838X
Tungsten

Tungsten Mining Co.
420 Pine St., Boulder, Colorado.

3	4	Copies Form	MV-103
OK	4	" "	MV-202
OK	6	" "	MV-200
OK	9	" "	NSRB-1
OK	1	" Mining Claims	
3	5	" Map	Exh. 105
	3	" Letter and Report, Tungsten [illegible]	
	1	" Letter Cowdery to Administrator	
OK	1	" Map	Exh. 104
	5	" Letter Fuetsch to Field Team	
	1	" " Cowdery to Bradley	
	5	" Exhibits A to E to accompany MV-103	

~~6/5/51~~ June 29, 1951

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 838-X

Commodity Tungsten

Total Amount $10,000

Govt. Participation $7,500

For approval.

1. Name and Address of Applicant Tungsten Mining Company, 420 Pine Street, Boulder, Colorado

2. Location of Property Nederland, Colo. (2 miles south) Boulder County, Colorado

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

If not, application will be rejected.

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

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

a) Good Yes

b) Poor

c) None

d) Don't know—needs field examination

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

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

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

Does the lease have sufficient time to run to cover a future productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes.

a) MF-201? _____

b) MF-202 Enclosed.

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

a) Available manpower Yes.

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

c) Accessibility (question 12)* Yes.

d) Water (question 13)* Yes.

e) Power (question 13)* Yes.

Is a field check needed on any of these points? Done

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

Is a field check needed on this point? No.

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

a) Is the project adequately described? Yes.

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

b) Is there an adequate map or sketch of the proposed work? Report from field included maps showing work.

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

If not, what part of it is? _____

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? Yes.

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

e) Are the cost estimates reasonable? Yes.

f) Should more information be requested from applicant? No.

g) Is a field examination necessary to complete Exhibit A? Done.

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes.

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

c) Is a field check needed? Done.

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

a) Is it applicable? Yes.

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

c) Are rents and charges reasonable? Yes.

d) Is a field check needed? Done.

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

a) Are there sufficient data? Yes.

b) Is the schedule adequate for the work proposed? Yes.

c) Is the schedule excessive for the work proposed? No.

d) Are the proposed wages and salaries reasonable? Yes.

e) Is a field check needed? Done.

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes.

b) Sufficient data?

c) Reasonable? Yes.

d) Field check needed?

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

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Report from field team, dated June 26, 1951, received June 29, 1951, enclosing six copies contract form MF-200 (signed by applicant) and recommends approval of the exploration project.

Reviewed by: [illegible]

Geo R Holden

Date 6/29/51

Approved
Tom Lyon

97692

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

Special Delivery

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

REGIONAL DIRECTOR'S OFFICE REGION IV JUL 1 1951 BUREAU OF MINES DENVER, COLORADO

June 26, 1951

Mr. George W. Cowdery
420 Pine St.
Boulder, Colorado

Dear Mr. Cowdery:

We find that we neglected to obtain Landlord's Subordination Agreements from you.

Please sign the enclosed forms MF-202 and send them air mail to:

Mr. Lowell B. Moon
Chief, Minerals Division
Bureau of Mines
Interior Building
Washington 25, D. C.

Attention: J. H. East, Jr.

An addressed envelope is enclosed.

REGIONAL DIRECTOR'S OFFICE REGION IV JUL 1 1951 BUREAU OF MINES DENVER, COLORADO

Sincerely yours,

P. T. Allsman
Chief, Mining Division, Region IV

Enclosures

Dear Sirs,
Please find 4 copies of MF 202 signed by George W Cowdery as owner of property, this is the second group of this form that was signed, the first group was sent to P. R. Bradley Washington. D. C.
Yours very truly George W Cowdery

Minerals Division

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

224 New Customhouse
Denver, Colorado

June 26, 1951

Memorandum

To: L. B. Moon

Attention: J. H. East, Jr.
Regional Director, Region IV
(in Washington)

From: DMA Field Team, Region IV

Subject: DMA Docket 838X, Tungsten Mining Company, Boulder, Colorado

Herewith are six copies of a signed contract on the above docket. Also enclosed are three copies of Tweto's statement regarding the geology.

It is recommended that the contract be signed.

Mr. Cowdery is owner of the property and has leased to the Tungsten Mining Co., of which he is president. There is a fine legal point involved, whether a subordination agreement is required. In order to be safe we are sending the subordination agreements to Cowdery at Boulder for signature, with the request that they be sent air mail-special delivery to you.

Paul Tallsman
P. T. Allsman, Alternate

A. H. Koschmann
A. H. Koschmann

Attachments

BUREAU OF MINES
WASHINGTON, D. C.

JUN 29 7 57 AM '51

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

200 New Customhouse
Denver 2, Colorado

June 22, 1951

Memorandum

To: DMA Field Team, Region IV

From: Ogden Tweto

Subject: DMA Docket 838X--Tungsten Mining Company, Boulder, Colorado

Enclosed are the original and 7 copies of the above statement by Ogden Tweto.

Ogden Tweto

Ogden Tweto, Alternate
Supervising Geologist
Colorado-Wyoming

Enclosures (8)

TUNGSTEN MINING COMPANY

BOULDER, COLORADO

DMA Docket 838X

Statement by Ogden Tweto
U. S. Geological Survey

TUNGSTEN MINING COMPANY
BOULDER, COMPANY

I am familiar with the Tungsten (or Chance) mine of the Tungsten Mining Company from the last period of operation, in 1942 or 1943. It has been one of the most productive mines of the Boulder district, but several "possibilities" for ore remain to be explored. These include the March vein below the workings on the second level, an unexplored vein between the Tungsten and the March, a zone of ferberite veinlets extending into the hanging wall on the second level, a zone of ferberite veinlets extending into the footwall at the top of the stope beneath the third level, and an unexplored tungsten-bearing branch vein near the northeast end of the fourth level. I therefore recommend that the application for an exploration loan be approved.

GEORGE W. COWDERY
Coal and Tungsten
420 PINE STREET
BOULDER, COLORADO

June 1, 1951.

Mr. P. R. Bradley,
Defense Minerals Administration,
Washington, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 1951
LANDON F. STROBEL
Executive Secretary

Dear Mr. Bradley,

Received your air-mail letter with list of tungsten buyers and was very much pleased to get same.

Mr. J. H. East Jr. sent me, at your suggestion, copies of M. F. 103 and Subordination Agreements which I will fill out and send back as quickly as possible to you.

At our meeting in Mr. East's Office, we all forgot to mention Joseph M. Smith, at present Superintendent of Hetzel Mines and formerly Supt. of Vanadium Corp of America in this locality. He owns and is operating a tungsten mill in the Town of Nederland, Colo. and runs on low grade ore as fast as it comes in to him. When it comes to tungsten he has the know how.

He intends to lease my Rambler Mine, this is a good tungsten proposition, many tungsten veins, five core drill holes in ore, has a 240ft shaft in good order. You will probably hear from him.

Yours very truly
George W. Cowdery

GEORGE W. COWDERY
Coal and Tungsten
420 PINE STREET
BOULDER, COLORADO

Memo.

We wish to change our #146 form of loan application made March 15-1951 to MF 103. We are now in a position to start development after two months work retimbering caved shaft and setting hoist, compressor, etc. All questions have been mostly answered on #146 and MF 100 up to #23 of this form. We will need two years to complete our development plan, we have ore on eight veins, we need cross-cuts and drifts on #1 to #4 levels to open up ore we had above. We have two big musts by the State Mine Inspector move our shaft buildings back 50 ft from shaft and move our mill off of stream on watershed to avoid pollution cost about $2,000. We have 5 miners at this time, 2 more will be added, $12 to $15 per day all workers, no supervisors, we need a large water tank about $200, and larger mine pumps about $500, rental is a small item perhaps about $300 for period, power will be about $125 per month, supplies about $150 per month. In about two months we expect to have 2 miners on ore, 3 miners on development at all times. The men on ore will pay additional money needed, and help pay off indebtness we will create. The mine has been idle and caved shaft since 1942. We can judge the future only by the past, the mine has always payed when worked.

Yours very truly,
George W. Cowdery

FILE COPY
SURNAME:

Ballard
Holderer
Lemmon

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

May 23, 1951

Memorandum

To: Director, Production Expansion Division

Through: Director, Supply Division

From: Chairman, Tungsten Branch

Subject: DMA-808, George K. Cowery et al Partnership
[illegible] Pine Street, Boulder, Colorado

The applicant has requested a loan of $20,000 to re-open the Tungstan (chance) mine and repair the mill. The application has been reviewed by this committee, and approval of the full amount of the loan is recommended.

The covering memorandum outlining our favorable recommendations and conclusions, together with other pertinent data is attached.

George B. Holderer

George B. Holderer, Acting
Chief, Tungsten Branch

Attachment

Approved:

Wm. K. Cowery
Elmer Hodgson
Emory Hodgson
Frank E. Hodgson

Director, Supply Division

TJBallard:ec

CC: Adm. Reading File
Mr. Strobel
Mr. Bradley
Mr. Lyon
Mr. Lemmon
Files

May 23, 1951

REPORT AND RECOMMENDATION
OF THE STAFF ON
APPLICATION FOR GOVERNMENT ASSISTANCE

A. Name and Address of Applicant

Partnership of
Frank E. Hodgson
Emery Hodgson
Elmer Hodgson
William D. Cowdery
George W. Cowdery

820 Pine Street
Boulder, Colorado

B. Property

Tungsten (Chance) Mine
SW¼ Sec. 19, T. 1 S., R. 72 W.
1.4 miles SE from Nederland, Colorado.
The mine is owned by George W. Cowdery, who has leased it at 15% royalty to the above partnership, of which he is a member.

C. Conclusions

1. This proposal might add a few thousand units of WO_3 to the U. S. supply with a minimum expenditure of materials.

2. Although the Tungsten (Chance) mine has no blocked out ore reserve, it can probably produce substantially from development headings.

3. The principal requirements can be met by purchase locally.

4. Financing is by straight government loan of $20,000 repayable from production.

5. The applicants are competent miners according to their own statement of experience. They expect to work at the mine.

D. Recommendation

A production loan of $20,000 is justified and should be negotiated.

E. Proposal

Straight loan of $20,000 to re-open the Tungsten mine ($12,000) and repair the mill ($8,000).

F. This proposal is in agreement with the Government's program for expanding tungsten production in the Boulder district.

G. Technical feasibility

1. The mine is not known to contain any ore reserves. Possibilities of finding ore are good, based on past history of the mine and the district.

The mine was worked in 1900, 1902, 1906-09, 1915-18, 1929-33, 1939-41, with a total output estimated at 60,000 units of WO3. In the last period (1939-41), production was 4,964 units. Ferberite has been taken from 4 ore shoots in a vein that dips 65° to 75°. From an inclined shaft 396 feet deep, 6 levels have been driven, each about 500 feet long. The ore shoots in the Boulder tungsten district are characteristically small but of high grade. Only rarely is any ore blocked out in a mine, although lack of ore reserves does not necessarily signify lack of productive capacity.

The application is accompanied by a geologic map of the mine workings, prepared by T. S. Lovering and Ogden Tweto of the U. S. Geological Survey, in 1933, 1938, and 1942-43.

2. Mining and milling practice and cost will be according to district custom.

3. The ferberite concentrates are readily marketable.

4. Two months will be required to re-open the mine to the first exposure of ore.

H. Availability of project requirements

1. Some mining equipment will be transferred from an old gold mine.

2. New equipment needed includes pumps air drills, and some mill equipment.

3. The mine is 300 feet from a paved highway.

4. The 5 lessees will be the principal manpower, which will be supplemented when needed by men locally available.

5. Electric power is available at the mine and mill.

I. Financing

1. Proposed financing is by straight loan of $30,000.

2. Amount requested is probably adequate.

3. No security for loan.

4. Repayment from production after costs.

J. The applicant's record of experience indicates competence to carry out the proposal.

George B. Holderer

George B. Holderer, Acting
Chief, Tungsten Branch

Attachment

Approved:

Director, Supply Division

DHLemmon:ec

CC: Adm. Reading File
Mr. Strobel
Mr. Lyon
Mr. Lemmon
Mr. Bradley
Files

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

May 2, 1951

Mr. H. S. West, President
Tungsten Mining Corporation
55 Liberty Street
New York 5, New York

My dear Mr. West:

Thank you for your letter of April 20, 1951, in which you report the reluctance of several mine owners to cooperate with you in obtaining an exploration loan as long as they are required to subordinate their interests to those of the United States. You state that certain mine owners whom you have recently approached insist upon more severe terms of lease as a consideration for acquiescing to such an agreement, and you suggest that our regulations be changed so that the property owner's responsibility ends upon termination of the lease agreement under which the exploration work is performed.

I assure you that this matter was given very thorough consideration at the time our regulations were being drafted. You will no doubt recall that it was the recommendation of the Industry Advisory Committee that Government funds lent for exploration projects should be repayable from the proceeds of ores produced as a result of the exploration project. A lien on the property is the only practical way to secure such repayment, and the subordination agreement of the landlord is the only practical way to make the lien effective. After all, it is the landowner who is apt to benefit most from the exploration. The lien is only for ten years, and it may be paid off sooner.

It occurs to me that, provided a full explanation of the Government's intent were made to the owners, their present objections might be largely removed. A different approach might be helpful. You could explain that a project is, in the first instance, usually examined by Bureau of Mines and Geological Survey engineers to determine if it has a reasonable chance of success. The fact that the Government approves of the exploration and the applicant participates in its costs, should give assurance to the property owner that the project under consideration is worthy, and if successful, would be a direct benefit to the owner. Furthermore, according to existing regulations, representatives of the Defense

Minerals Administration are required to make an examination of the project within six months after its completion for the purpose of determining whether a significant discovery has been made. Should the results of such an examination prove negative, no lien will attach to the property and no obligation to repay will exist, while, on the other hand, should the results be positive, then the property owner is the principal beneficiary of the discoveries which have been made.

It is also important to recall that the obligation to repay the Government is limited to the proceeds from newly discovered ores, and that the lien will not attach to other property rights. If any property owner refuses to subordinate his interest as lessor under these conditions, it seems to me to indicate a complete lack of understanding of what his interests are or else lack of confidence in the integrity of the Government and lessee who have offered to undertake the cost of exploration.

Sincerely yours,

JAMES BOYD

Administrator

COMittendorf/JLHofflund/bjl

Copy to: Administrator's Reading File
L. F. Strobel
C. O. Mittendorf
J. L. Hofflund
H. A. Montag
Chron.
Files

dmc 838

LANDON F. STROBEL

GEORGE W. COWDERY
420 PINE STREET
BOULDER, COLORADO

March 8, 1951

Dr. James Boyd
Defense Mineral Administrator
Interior Building
Washington 25, D.C.

Dear Mr. Boyd:

Please find enclosed four copies of an application, with mine maps attached, for a loan to be used for the production and milling of tungsten ores.

We would like to get this project started as soon as possible, we are able to start April 1, 1951, and would appreciate your reply as soon as possible.

Yours very truly,

George W Cowdery

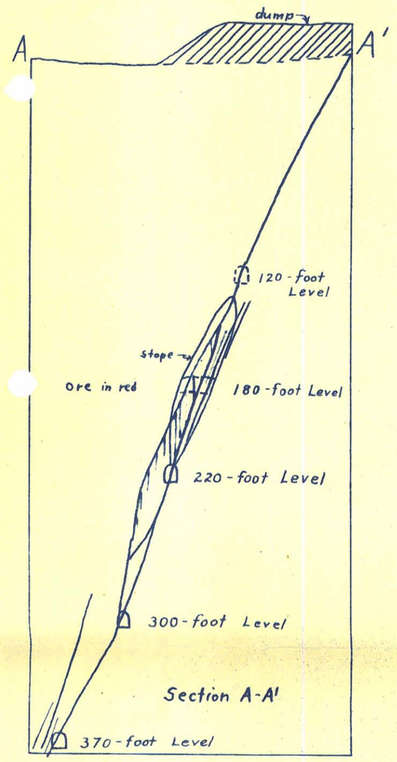
George W. Cowdery

BUREAU OF MINES
WASHINGTON, D. C.

MAR 16 7 31 PM '51

fig. 105

TUNGSTEN MINING CO-DMA-836X
PROPOSED EXPLORATION



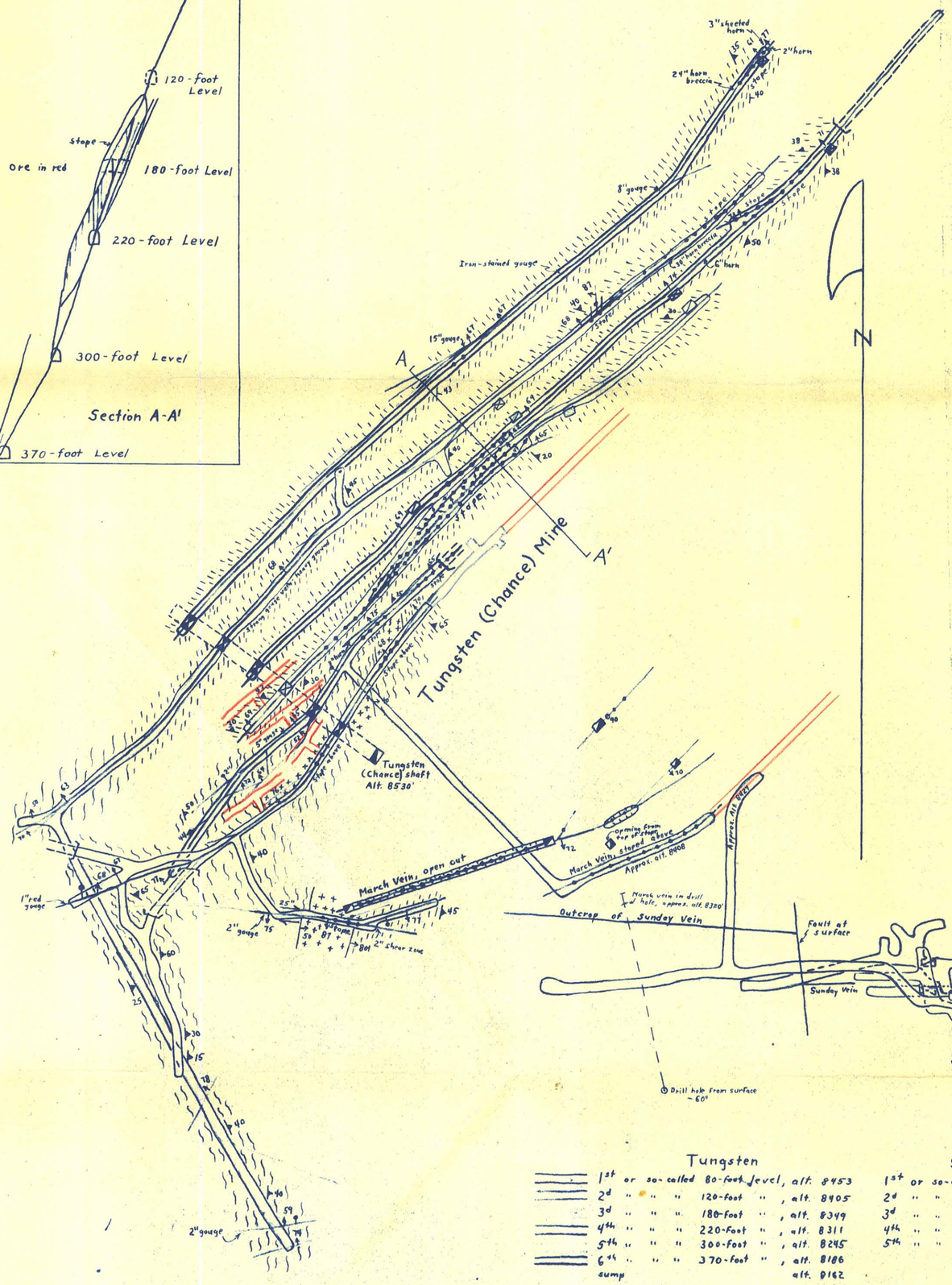
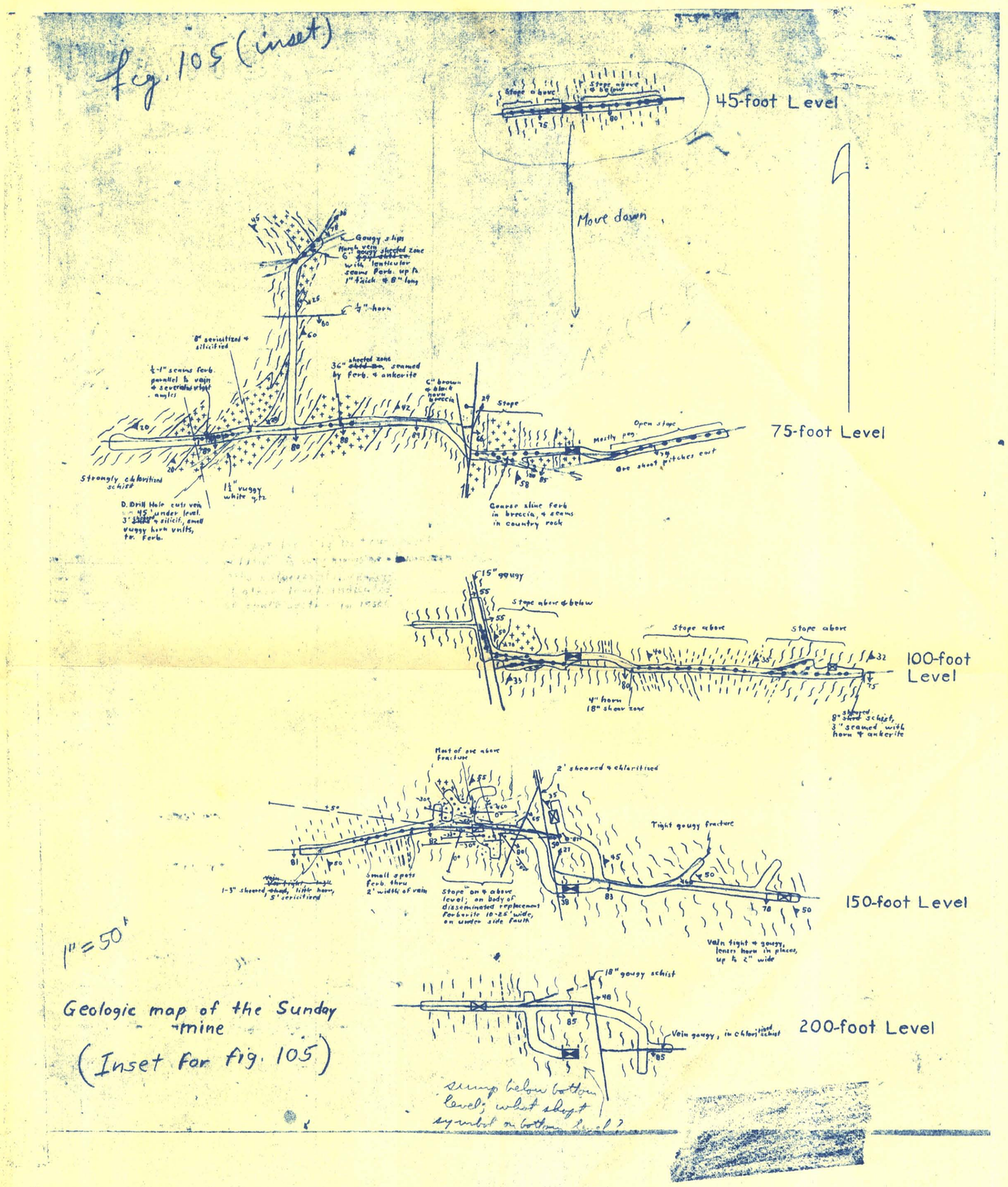


fig. 105 (inset)



Geologic map of the Sunday mine
(Inset for fig. 105)

Tungsten			
1st	or so-called	80-foot level,	alt. 8453
2d	" " "	120-foot " ,	alt. 8405
3d	" " "	180-foot " ,	alt. 8349
4th	" " "	220-foot " ,	alt. 8311
5th	" " "	300-foot " ,	alt. 8245
6th	" " "	370-foot " ,	alt. 8186
sump			alt. 8162

Sunday			
1st	or so-called	40-Foot level,	alt. 8452
2d	" " "	75-Foot " ,	alt. 8425
3d	" " "	100-foot " ,	alt. 8399
4th	" " "	150-foot " ,	alt. 8347
5th	" " "	200-Foot " ,	alt. 8297

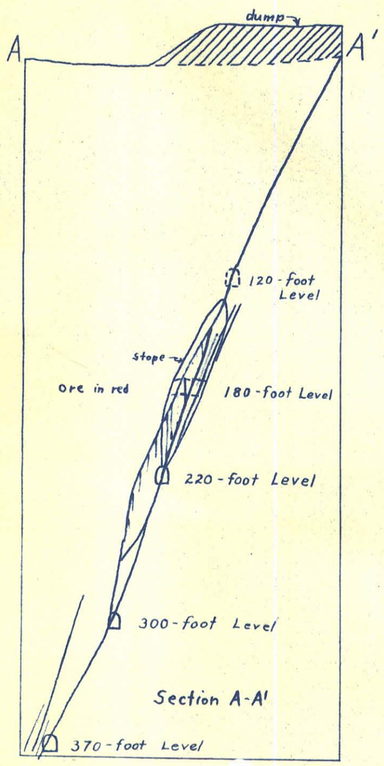
Shaft at surface
Inclined shaft going above and below level
Winze
Raise
Caved workings
Contact, showing dip; dashed where gradational or approximate
Pegmatite
Injection gneiss (schist, aplite, & pegmatite)
Schist
Vein, showing dip
Ferberite in vein
Disseminated ferberite, (150-foot level of Sunday)
Fault
Directions and amount of relative displacement of vein walls
Bearing and plunge of grooves and slickensides
Downthrown side, and amount of downthrow
Strike and dip of foliation
Diamond drill hole, showing inclination
Vertical fracture or contact

By: T.S. Lovering 1933, 1938
Ogden Tweto 1942-1943

Fig. 105 Geologic map of the Tungsten (or Chance) and Sunday mines

fig. 105

Tungsten Mining Co DMA 838x
Proposed Exploration



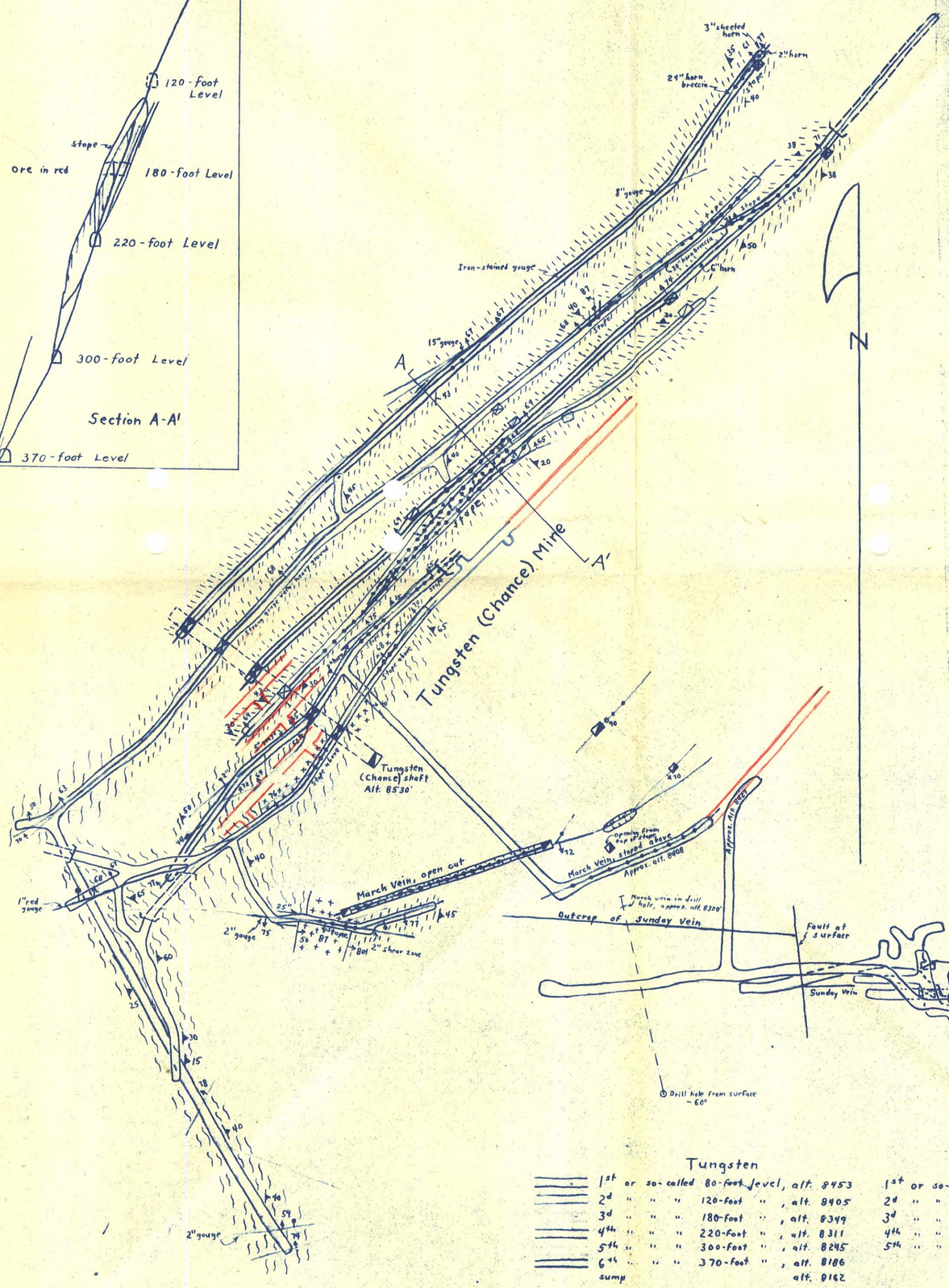
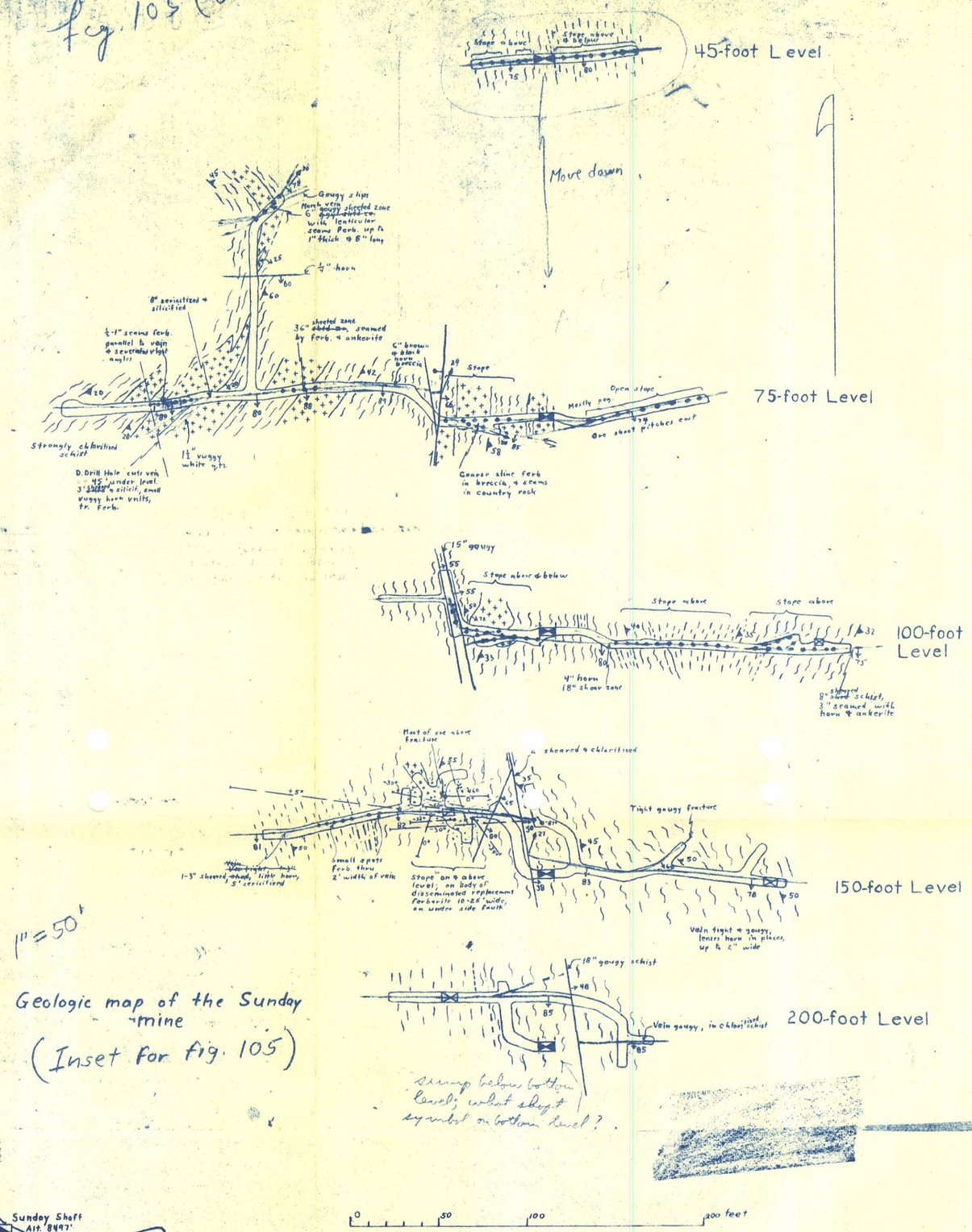


fig. 105 (inset)



1" = 50'

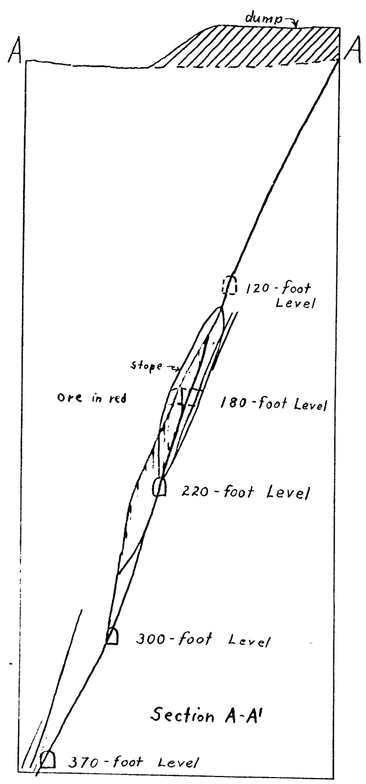
Geologic map of the Sunday mine
(Inset for fig. 105)

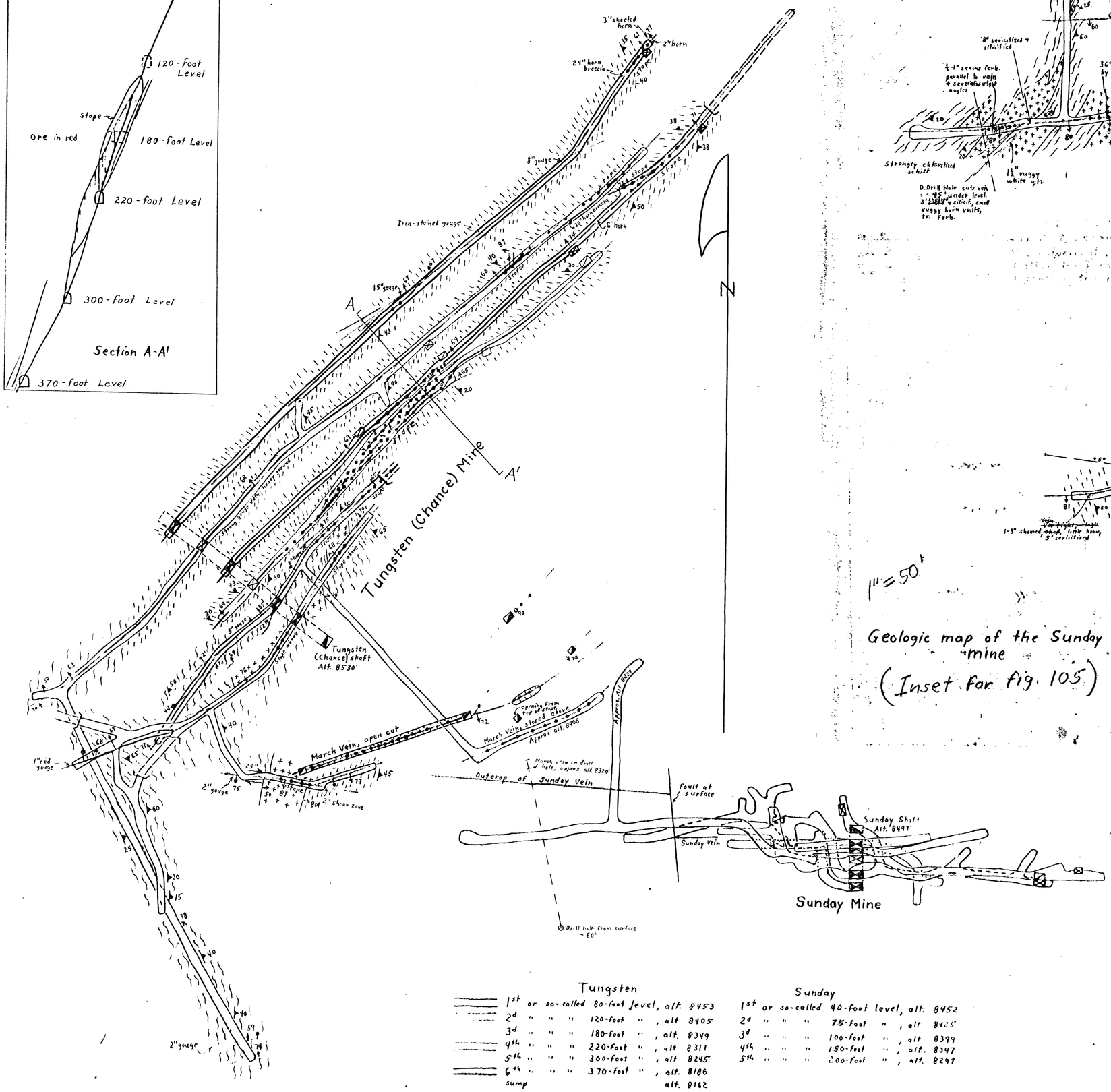
Tungsten		Sunday	
1st or so-called 80-foot level,	alt. 8453	1st or so-called 40-foot level,	alt. 8452
2d " " " 120-foot " ,	alt. 8405	2d " " " 75-foot " ,	alt. 8425
3d " " " 180-foot " ,	alt. 8349	3d " " " 100-foot " ,	alt. 8399
4th " " " 220-foot " ,	alt. 8311	4th " " " 150-foot " ,	alt. 8347
5th " " " 300-foot " ,	alt. 8245	5th " " " 200-foot " ,	alt. 8297
6th " " " 370-foot " ,	alt. 8186		
sump	alt. 8162		

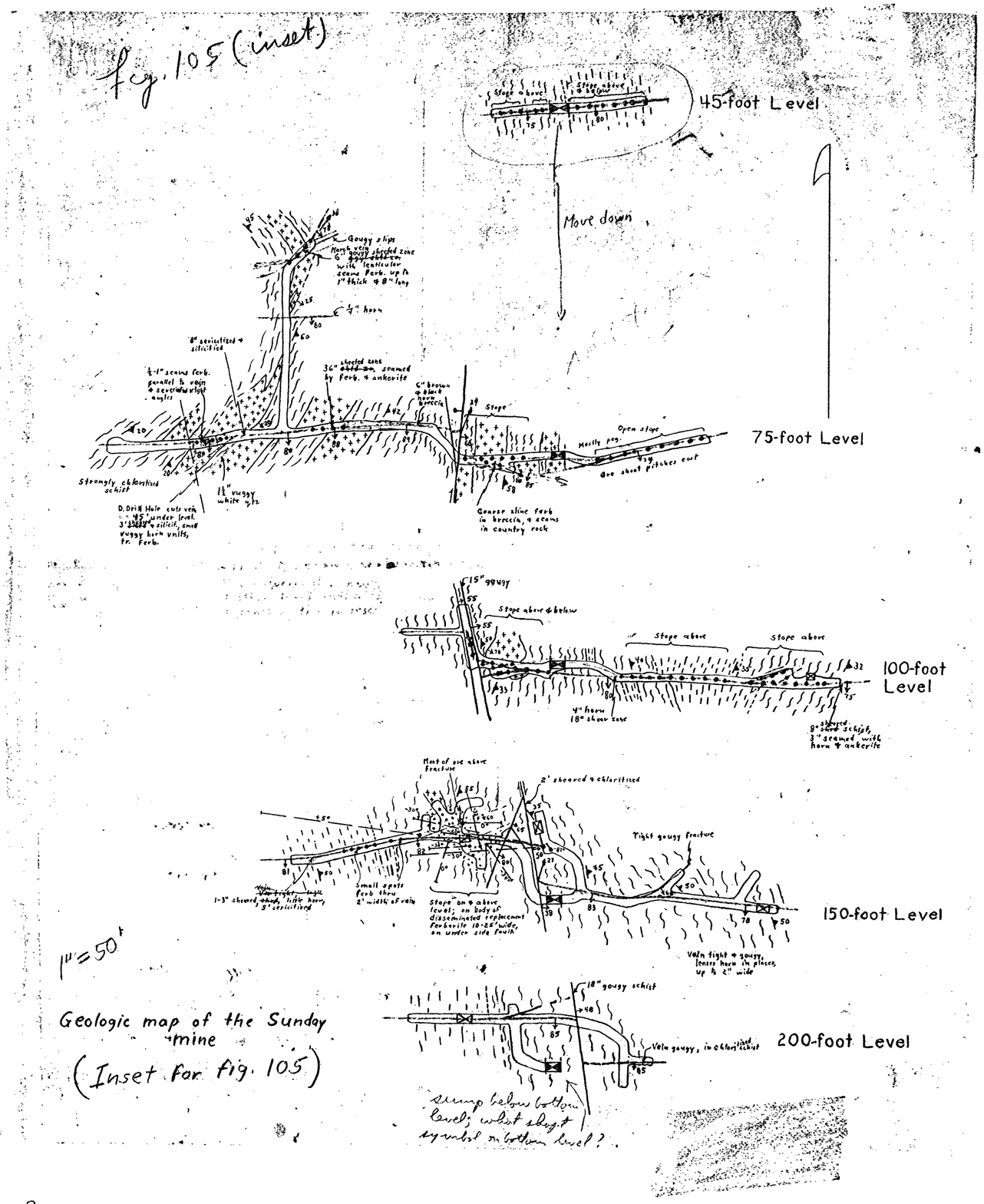
Shaft at surface
Inclined shaft going above and below level
Winze
Raise
Caved workings
Contact, showing dip; dashed where gradational or approximate
Pegmatite
Injection gneiss (schist, aplite, & pegmatite)
Schist
Vein, showing dip
Ferberite in vein
Disseminated ferberite, (150-foot level of Sunday)
Fault
Direction and amount of relative displacement of vein walls
Bearing and plunge of grooves and slickensides
Downthrown side, and amount of downthrow
Strike and dip of foliation
Diamond drill hole, showing inclination
Vertical fracture or contact

By: T.S. Lovering 1933, 1938
Ogden Tweto 1942-1943

Fig. 105 Geologic map of the Tungsten (or Chance) and Sunday mines







1" = 50'

Geologic map of the Sunday mine

(Inset for fig. 105)

0 50 100 feet

Shaft at surface
Inclined shaft going above and below level
Winze
Raise
Caved workings
Contact, showing dip, dashed where gradational or approximate
Pegmatite
Injection gneiss (schist, aplite, & pegmatite)
Schist
Vein, showing dip
Ferberite in vein
Disseminated ferberite, (150-foot level of Sunday)
Fault
Direction and amount of relative displacement of vein walls
Bearing and plunge of grooves and slickensides
Downthrown side, and amount of downthrow
Strike and dip of foliation
Diamond drill hole showing inclination
Vertical fracture or contact

By: T.S. Lovering 1933, 1938
Ogden Tweto 1942-1943

Tungsten				
1st	or so-called	80-foot level,	alt.	8453
2d	" " "	120-foot "	, alt	8405
3d	" " "	180-foot "	, alt.	8349
4th	" " "	220-foot "	, alt	8311
5th	" " "	300-foot "	, alt	8245
6th	" " "	370-foot "	, alt.	8186
sump			alt.	8162

Sunday				
1st	or so-called	40-foot level,	alt.	8452
2d	" " "	75-foot "	, alt	8425
3d	" " "	100-foot "	, alt	8399
4th	" " "	150-foot "	, alt.	8347
5th	" " "	200-foot "	, alt.	8297

Fig. 105 Geologic map of the Tungsten (or Chance) and Sunday mines