DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

AUDIT CERTIFICATE

I have examined the record and transactions of the:

Western Mines Company, a partnership
Helmville, Montana

pertaining to Exploration Contract Number Idm 2414, dated October 6, 1952, Docket Number DMEA 2468, including amendment number 1, Annex I, Annex II, and Annex III, covering a project of exploration for tungsten located in Powell County, Montana, commonly known as the Hopkins mine, for the period of October 6, 1952 to December 2, 1953.

My examination was made in accordance with generally accepted standards applicable in the circumstances.

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

Total Cost as billed by Contractor		$15,997.42
Less: Salvage Proceeds on Property		None
Net Claimed Cost		$15,997.42
Exceptions (See audit Report for details):		
Prior to this audit	-0-	
During this audit	$35.29	35.29
Total Accepted Cost		$15,962.13

The Contract calls for a 75 per cent participation of exploration expense by the United States Government. Therefore, payment to the Contractor by the Government in the amount of Eleven thousand nine hundred seventy one and 60/100 Dollars,

- $11,971.60-

is valid and proper.

This certificate is issued on the provision that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

C. A. Turner
Auditor

December 18, 1953

AUDIT REPORT

I. INTRODUCTION

During the month of December 1953, a final audit (covering operations for the period of October 6, 1952 to December 2, 1953) was made of the records and accounts pertaining to Exploration Project Contract Number IAA 2414, dated October 6, 1952, Docket Number DMRA 2468, including amendment number 1, Annex I, Annex II and Annex III, with the:

Western Mines Company
(A Partnership)
Helmville, Montana

covering a project of exploration for tungsten located in Powell County, Montana, commonly known as the Hopkins Mine.

This partnership was made up of:

Pat T. Phalen	-	Spokane, Washington
John B. Hopkins	-	Grand Junction, Colorado
Frank C. Culver	-	Seattle, Washington
Milton T. Ruley	-	Spokane, Washington
Zilla Ruley	-	Reardan, Washington
John W. Phalen	-	Spokane, Washington

The accounting records were in the custody of Pat T. Phalen, Spokane, Washington. Mr. Phalen acted as manager of the project

II. GENERAL INFORMATION ON RECORDS

The accounting records of the partnership consisted of vendor's invoices, cancelled checks, Unemployment Compensation Commission of Montana reports, Industrial Accident Board of Montana Premium Receipts covering Liability Insurance, work sheets upon which the contractor accumulated his costs and the correspondence file.

III. SCOPE OF AUDIT AND FINDINGS

The audit was limited to ascertaining the accuracy, propriety and validity of the costs shown in the "Totals to Date" column of Form MF-104, Operator's final monthly report and Voucher, for the month of October-November 1953. Since a preliminary review of the records indicated a considerable amount of improper distribution of charges to the "Items of Cost" shown on the Form MF-104, as well as some charges of questionable propriety, a detailed audit and analysis of costs was made. The findings, after correction of cost distribution follow:

(1) Independent Contracts

	STAGE I	STAGE II Alternate	Accepted Costs
Bulldozer - Access Roads 33 Hours @ $15.00 per Hour	$ 495.00	-	$ 495.00
Bulldozer - Trenching 83½ Hours @ $15.00 per Hour	1,252.50	-	1,252.50
Bulldozer - Road Building & Improvement 80 Hours @ $15.00 per Hour	-	$ 1,200.00	1,200.00
Drifting and Crosscutting 377 1/5 Feet @ $20.00 per Foot	-	7,544.00	7,544.00
Totals	$1,747.50	$ 8,744.00	$10,491.50

The above items of cost are all within the "allowable maximums" specified in the contract as follows:

Stage I	
Bulldozer - Access Roads	
33* Hours @ $15.00* per Hour	$ 495.00*
Bulldozer - Trenching	
150* Hours @ $15.00* per Hour	$ 2,250.00*
Stage II Alternate	
Bulldozer - Road Building and Improvement	
80* Hours @ $15.00* per Hour	$ 1,200.00*
Drifting and Crosscutting	
400* Feet @ $20.00* per foot	$ 8,000.00*

(2) Labor and Supervision

The basic record for this item of cost was the monthly payroll which gave the classification of labor, days worked, rate of pay, total earnings, payroll deductions, net amount due employee and the number of the check which paid the employee. The cancelled checks, Unemployment Compensation Commission of Montana reports and the Industrial Accident Board of Montana reports were also available for audit.

The audit findings are as follows:

	Stage I	Stage II Alternate	Accepted Costs
Labor			
26 days @ $14.00 per day	$ 364.00	$ -	$ 364.00
60 days @ $14.00 per day	-	840.00	840.00
Supervision			
S. H. Fairweather June 1 to July 15,1953			
1½ Months @ $450.00 per Mo.	675.00	-	675.00
S. H. Fairweather Aug.1 to Nov. 10,1953			
3 1/3 Months @ $600.00 per Mo.	-	2000.00	2000.00
Totals	$ 1039.00	$2840.00	$ 3879.00

The above items of cost are all within the "allowable maximums" specified in the contract as follows:

Stage I		
Labor	30 Days @ $14.00 per day	
Supervision	1½* Months @ $600.00* per Mo.	$ 900.00*
Stage II Alternate		
Labor	60 Days @ $14.00 per day	
Supervision	5 Months @ $600.00* per Mo.	$ 3000.00*

(3) Operating Materials and Supplies

The costs chargeable to this category were determined by a detailed audit and analysis of the vendor's invoices and the cancelled checks. The following listing summarizes the audit findings:

	Stage I	Stage II Alternate	Accepted Costs
Timber	$ -	$ 60.00	$ 60.00
Explosives	18.55	-	18.55
Pipe	-	154.78	154.78
Track	-	383.61	383.61
Gas and Oil	-	91.14	91.14
Small Tools and Supplies	11.18	25.29	36.47
Totals	$ 29.73	$ 714.82	$ 744.55

(4) Operating Equipment

Equipment Rental and Purchase does not apply to this contract.

Depreciation on Equipment was found by this audit to be:

	Stage I	Stage II Alternate	Accepted Costs
1 18/30 Truck June 1 to July 18, 1953 1 15/40 Month @ $25.00 Mo.	$ 40.00	$ -	$ 40.00
Truck and Chain Saw August 1 to November 1, 1953 3 1/3 Months @ $32.00 per Mo.	-	106.70	106.70
Totals	$ 40.00	$106.70	$146.70

The above items of cost are all within the "allowable maximums" specified in the contract as follows:

Stage I
Truck 1½ Months @ $25.00* per Month $ 40.00*

Stage II Alternate
Truck and Chain Saw 5 Months @ $32.00* per Month $160.00*

(5) Initial Rehabilitation and Repairs

This item of cost not applicable to this contract.

(6) New Buildings, Improvements, Etc.

This item of cost not applicable to this contract. The contract, however, provided a Tool and Core Shed, and fuel rack to cost $250.00 which was not built by the contractor. The cost of $250.00 was an "allowable Maximum" divided $125.00 to Stage I and $125.00 to Stage II Alternate.

(7) Miscellaneous

The findings of the audit as to the costs chargeable to, and allowable under, this item are summarized as follows:

	Stage I	Stage II Alternate	Accepted Costs
Repairs to Equipment	$ -	$ 88.70	$ 88.70
Sampling and Analysis	42.88	26.25	69.13
Payroll Taxes	43.64	84.00	127.64
Liability Insurance	83.12	227.20	310.32
Bookkeeping	-	83.25	83.25
Office	-	21.34	21.34
Totals	$169.64	$ 530.74	$ 700.38

Repairs to Equipment were found by the audit to be ordinary truck operating repairs required during the course of the operation. The acceptable costs were $88.70 all charged to Stage II Alternate of the contract.

Sampling and Analysis was found by the audit to be assaying costs. The accepted costs chargeable to this item are as follows:

	Stage I	Stage II Alternate	Accepted Costs
Assays Made			
11 Tests	$ 31.50	$ -	$ 31.50
13 Tests	-	26.25	26.25
Sample Bags	9.75	-	9.75
Transportation on Samples	1.63	-	1.63
Totals	$ 42.88	$ 26.25	$ 69.13

Sample Bags and transportation on samples apply to Stage I only.

Payroll Taxes applicable to the project were determined to be:

Federal Insurance Contributions Act	1.5%
Montana Unemployment Compensation	2.7
Total	4.2%

Taxes under the Federal Unemployment Tax Act were not applicable since the contractor had less than 8 employees. Payroll Taxes were determined by this audit to be:

Stage I			
Labor	$364.00		
Supervision	675.00		
	$1039.00	@ 4.2%	$43.64
Stage II Alternate			
Labor	$ 840.00		
Supervision	2000.00		
	$2840.00		
Less Wages of Partner John W. Phalen	840.00		
	$2000.00	@ 4.2%	84.00
Accepted Costs:			$127.64

Payroll taxes claimed on the partner, John W. Phalen in the amount of $35.29 were disallowed by the audit.

Liability Insurance chargeable to this project consisted of premiums paid to the Industrial Accident Board, State of Montana, at the rate of 8% on the total payroll.

A detailed audit and analysis of the payrolls, Industrial Accident Board of Montana premium receipts and cancelled checks disclosed the following charges to the project to be acceptable:

Stage I	
Labor and Supervision $1,039.00 @ 8%	$83.12
Stage II Alternate	
Labor and Supervision $2,840.00 @ 8%	227.20
Accepted Costs	$310.32

Bookkeeping Services was determined by the audit to be accounting expense in the amount of $83.25 for 3 1/3 months @ $25.00 per month performed by Mrs. Pat Phalen on the project records Stage II Alternate. This cost was allowed as being fair and reasonable.

Office Expense was determined by the audit to be long distance telephone calls in the amount of $21.34 all pertaining to the project. This cost was allowed as being fair and reasonable.

IV CONCLUSIONS

This audit disclosed that all costs charged to this project, with the exception of the disallowances itemized under (7) Miscellaneous of the preceding sections of this report, are reasonable and proper under the terms of the contract.

The adjustments between "Items of Cost" as shown on the October-November 1953 Form MF-104, the disallowance, and the accepted costs are summarized as follows:

	Totals Oct.-Nov 1953 MP-104	Distribution Corrected	Disallowed By Audit	Accepted Costs
1 Independent Contracts				
Bulldozing - Access Roads	$ 1,695.00	$ 495.00	$ -	$ 495.00
Bulldozing - Trenching	1,252.50	1,252.50	-	1,252.50
Bulldozing - Road Building	-	1,200.00	-	1,200.00
Drifting and Crosscutting	7,544.00	7,544.00	-	7,544.00
2 Labor and Supervision				
Labor	1,204.00	1,204.00	-	1,204.00
Supervision	2,675.00	2,675.00	-	2,675.00
3 Operating Materials & Supplies				
Timber	60.00	60.00	-	60.00
Explosives	18.55	18.55	-	18.55
Pipe	138.72	154.78	-	154.78
Track	399.67	383.61	-	383.61
Other (Black Light)	46.22	-	-	-
Gas & Oil	91.14	91.14	-	91.14
Small Tools and Supplies		36.47	-	36.47
4 Operating Equipment				
Depreciation	146.70	146.70	-	146.70
5 Initial Repairs and Rehabilitation	-	-	-	-
6 New Buildings and Improvements	-	-	-	-
7 Miscellaneous				
Repairs to Equipment	88.70	88.70	-	88.70
Sampling and Analysis	57.75	69.13	- -	69.13
Payroll Taxes	58.19)	162.93	35.29	127.64
Unemployment	104.74)			
Liability Insurance	310.32	310.32	-	310.32
Bookkeeping	83.25	83.25	-	83.25
Office - Telephone	22.97	21.34	-	21.34
	$15,997.42	$15,997.42	$ 35.29	$15,962.13

The "allowable Maximums" under this contract are as follows: (1) Independent Contracts, (2) Labor and Supervision, (4) Operating Equipment, and, (6) New Buildings, Improvements, Etc., all of which are discussed in the preceding sections of this report.

The "Accepted Costs", "Allowable Maximums" and "Balance of Allowable Maximums" are summarized as to Stage I and Stage II Alternate as follows:

	Accepted Costs	Allowable Maximum	Balance
Stage I			
1. Independent Contracts			
Bulldozing - Access Roads	$ 495.00	$ 495.00	$ -
Bulldozing - Trenching	1,252.50	2,250.00	997.50
2. Labor and Supervision			
Labor	364.00	364.00	-
Supervision	675.00	900.00	225.00
3. Operating Materials & Supplies			
Explosives	18.55		
Small Tools and Supplies	11.18		
4. Operating Equipment			
Depreciation	40.00	40.00	-
6. New Buildings, Improvements, Etc.	-	125.00	125.00
7. Miscellaneous			
Sampling and Analysis	42.88		
Payroll Taxes	43.64		
Liability Insurance	83.12		
Total - Stage I	$ 3,025.87	$4,174.00	$1,347.50
Stage II Alternate			
1. Independent Contracts			
Bulldozing Roads	$ 1,200.00	$ 1,200.00	$ -
Drifting and Crosscutting	7,544.00	8,000.00	456.00
2. Labor and Supervision			
Labor	840.00	840.00	-
Supervision	2,000.00	3,000.00	1,000.00
3. Operating Materials & Supplies			
Timber	60.00		
Pipe	154.78		
Track	383.61		
Gas & Oil	91.14		
Small Tools & Supplies	25.29		
4. Operating Equipment			
Depreciation	106.70	160.00	53.30
6. New Buildings, Improvements, Etc.	-	125.00	125.00
7. Miscellaneous			
Repairs	88.70		
Sampling and Analysis	26.25		
Payroll Taxes	84.00		
Liability Insurance	227.20		
Bookkeeping	83.25		
Office	21.34		
Total - Stage II Alternate	$12,936.26	$13,325.00	$1,634.30
Totals Stages I and Stage II Alternate	$15,962.13	$17,499.00	$2,981.80

The findings of this audit were discussed in detail with Mr. Pat T. Phalen, partner, and manager of the exploration project.

December 18, 1953

C. A. Turner, Auditor

DEC 22 1953

Mr. Charles A. Turner
DMEA Auditor
1201 N. Division Street
Spokane 2, Washington

Re: Idm-5414, DMEA-2468
Western Mines Company

Dear Mr. Turner:

Reference is made to your letter of December 18, 1953, transmitting your Audit Report and Certificate for the above cited project. The report appears to be in order and, therefore, distribution may be made in the usual manner.

There was a slight error, however, in the second line on page 4 where you calculated the time at 1 and 15/40's of a month which should be 1 and 18/30's. The calculated sum, however, was correct and, therefore, no exception is being taken to the audit.

I have changed the figures on the office copies to read 1 and 18/30's. You may wish to make the same changes on your copies.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

JLChambers/ama
December 22, 1953

Copy to: Docket
Admr. Reading File
Mr. Chambers

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

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

W

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

Month of Oct. & Nov., 1953 Docket No. DMEA 2468 Contract No. 1DM-E 414
Operator's Name Western Mines Company Minerals Tungsten
Address Helmville, Montana
Contract Amount, $20,130.00 Government Participation: 75 % Amount, $15,097.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing		1,695.00	1,695.00			
Crosscutting						
Drifting 157.71	3,154.00	4,390.00	7,544.00			
Dozer Trenching		1,252.50	1,252.50			
(2) Labor and Supervision:						
Labor	294.00	910.00	1,204.00			
Supervision	800.00	1,875.00	2,675.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		60.00	60.00			
Explosives		18.55	18.55			
Pipe		138.72	138.72	16.06	138.72	154.78
Track	69.96	329.71	399.67	53.90	329.71	383.61
Other		46.22	46.22		46.22	36.47
Gas & Oil	36.63	54.51	91.14			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	42.70	104.00	146.70			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	19.65	69.05	88.70			
Sampling and Analysis	20.25	37.50	57.75	31.63	37.50	69.13
Payroll Taxes S. S.	16.41	41.78	58.19	3.81	41.78	45.59
Liability Insurance	227.20	83.12	310.32			
Bookkeeping	33.25	50.00	83.25			
Unemp. Comp.	29.54	75.20	104.74	6.85	75.20	82.05
(8) Contingencies: Office Expense (Phone)	4.94	18.03	22.97	3.31	18.03	21.34
TOTALS	4,748.53	11,248.89	15,997.42	4713.24	11,248.89	15,962.13

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

Date Nov. 12, 1953 *Payee Western Mines Company

Per [signature] Title Manager.

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

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

(Instructions on reverse)

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

3534.91
2300.00 12/3/53
$
1234.91 paid 12/30/53

Signature [signature]
(Authorized Certifying Officer)

Date 12/30/53 Vou. No. 1003
(See other side)

Partial payment of $2300.00 made 12/3/53. Final payment of $1234.91 made 12/30/53. Totals as per audit dated 12/18/53.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-476 in accordance with the terms of the contract.

Signature /S/ John D. Bardill Title Metallurgist Date Dec 1-1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ M. E. Volin Title Member Field Team Date Dec 1-1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

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

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

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

Bu. Vou. No. 1003

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

Voucher prepared at Dec. 3, 1953
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-2414

To Western Mines Company
(Payee)

c/o Pat Phalen, 5708 E. Sprague Ave., Spokane, Wash.
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	October and November 1953	Partial payment. Balance withheld until final audit is completed.				$2,300.00	
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	$2,300.00	

(Payee must NOT use this space)

Differences .....

Account verified; correct for .....

(Signature or initials) .....

$2,300.00

Contract No. Date Req. No. Date Invoice Rec'd.

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or activity symbol	Appropriation title	Limit'n or Proj't.	Appropriation
14X4401	Revolving fund, Defense Minerals Production Act, Interior	$2,300.00	$2,300.00

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

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

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

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

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

ABSENCE OF ADVERTISING

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

.....

.....

.....

.....

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

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

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

16—22900a-2

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

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

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

Bu. Vou. No. 998 1003

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

Voucher prepared at Dec. 3, 1953
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-2414

To Western Mines Company
(Payee)

c/o Pat Phalen, 5708 E. Sprague Ave., Spokane, Wash.
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	October and November 1953	Partial payment. Balance withheld until final audit is completed.				$2,300.00	

PAYMENT:
Complete ☐
Partial ☐
Final ☐

Use continuation sheet(s) if necessary

Shipped from to Weight Government B/L No. Total $2,300.00

(Payee must NOT use this space)

Differences .....

Account verified; correct for $2,300.00

(Signature or initials) .....

Contract No. Date Req. No. Date Invoice Rec'd.

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't.	Appropriation
14X4401	Revolving fund, Defense Minerals Production Act, Interior	$2,300.00	$2,300.00

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

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

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

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

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

ABSENCE OF ADVERTISING

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

.....

.....

.....

.....

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

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

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

16—22000a-2

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Oct. & Nov. 1953 Docket No. DMEA 2468 Contract No. 1DM-E 414
Operator's Name Western Mines Company Minerals Tungsten
Address Helmville, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Foot	4748.53	157.7	11,503.12	377.2	30.49+		
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching	Hour			2,149.68	83½	25.74+		
Test Pits								
Roads and Trails	Hour			2,344.62	113	20.75-		
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		4748.53		15,997.42				
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4748.53		15,997.42				

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

Date Nov. 12, 1953 Operator Western Mines Company

Per [signature] Title Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 15 1953
Wash

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1953 Docket No. DMEA 2468 Contract No. 1DM-E414
Operator's Name Western Mines Company Minerals Tungsten
Address Helmville, Montana
Contract Amount, $20,130.00 Government Participation: 75 % Amount, $15,097.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing		1695.00	1695.00			
Crosscutting						
Drifting 168.0'	3360.00	1030.00	4390.00			
Dozer Trenching		1252.50	1252.50			
(2) Labor and Supervision:						
Labor	280.00	630.00	910.00			
Supervision	600.00	1275.00	1875.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	6.00	54.00	60.00			
Explosives		18.55	18.55			
Pipe		138.72	138.72			
Track	92.07	237.64	329.71			
Other (Black Light)	5.00	41.22	46.22			
Gas & Oil	17.32	37.19	54.51			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	32.50	72.50	105.00	31.50	72.50	104.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	20.30	48.75	69.05			
Sampling and Analysis	6.00	31.50	37.50			
Payroll Taxes S. S.	13.20	28.58	41.78			
Liability Insurance	81.07	18.54	99.61	64.58	18.54	83.12
Bookkeeping	25.00	25.00	50.00			
Unemployment	23.76	51.44	75.20			
(8) Contingencies (Specify) Office Expense (Phone)	9.31	8.72	18.03			
TOTALS	4571.53	6694.85	11266.38	455.50	6694.85	11,248.89

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

Date Oct. 5, 1953 *Payee Western Mines Company

Per [signature] Title Manager.

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

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

(Instructions on reverse)

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

$ 3415-53

Signature [signature]
(Authorized Certifying Officer)

Date 10/12/53 Vou. No. 934
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 414 in accordance with the terms of the contract.

Signature S/ John Bardill Title Metallurgist Date 10/12/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S/ P. E. Howard Title M. Eng. Date 10/12/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 16 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1953 Docket No. DMEA 2468 Contract No. 1DM-E 414
Operator's Name Western Mines Company Minerals Tungsten
Address Helmville, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Foot	4571.53	168	6772.08	219.5	30.85+		
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching	Hour			2149.68	83½	25.74+		
Test Pits								
Roads and Trails	Hour			2344.62	113	20.75-		
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		4571.53		11266.38				
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4571.53		11266.38				

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

Date Oct. 5, 1953 Operator Western Mines Company

Per [signature] Title Manager.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

EXPLORATION PROJECT

WESTERN MINES COMPANY

DOCKET NO. DMEA-2468

SUBJECT: Progress Report for Month of September, 1953.
Amendment No. 1, Stage 2 (Alternate)

The drift was advanced a distance of 168 feet for the month. This makes the present face a total of 219.5 feet from the portal. The entire distance was driven on the vein structure which showed a width varying from two inches to several feet. The black light indicated scheelite in most of the distance driven, the amount being small, no attempt was made to determine the values by assay. A few samples were taken to determine silver and gold values where such metals appeared to be present. With one exception the samples showed very minor values. The one exception was a sample taken across 5 inches of a high grade lead stringer. This sample assayed Au.2.02, Ag.22.00, Pb.37.35%. At the point this sample was taken the vein structure widened to about 4 feet of mixed quartz and limestone. This width continued for about 15 feet between 33 and 48 feet south east of station 'D', shown on accompanying progress sketch.

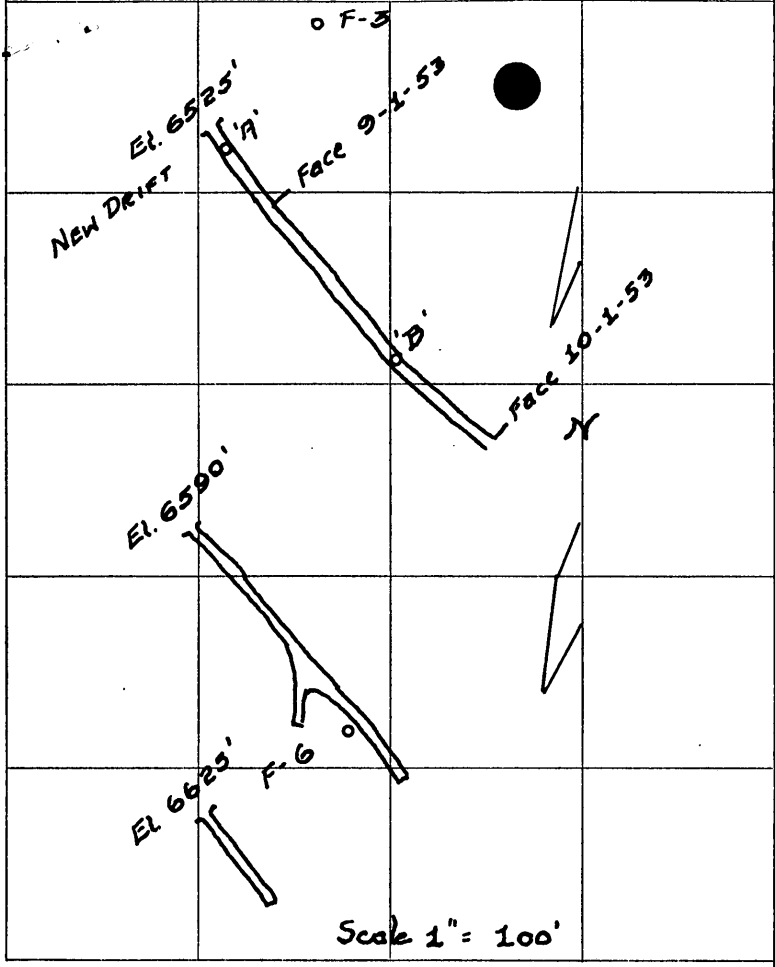
For greater detail, as suggested before, this progress sketch may be placed upon the Brunton survey map attached to Stage 1, Completion report.

Respectfully submitted,

WESTERN MINES COMPANY

BY Pat T. Phalen

Pat T. Phalen, Manager.


F-3
El. 6525'
'A'
Face 9-1-53
NEW DRIFT
'B'
Face 10-1-53
N
El. 6590'
F-6
El. 6625'
Scale 1" = 100'

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

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

SUPPLEMENTAL

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

Wash

Month of August, 1953 Docket No. DMEA 2468 Contract No. Idm-E 414
Operator's Name Western Mines Company Minerals Tungsten
Address Helmville, Montana
Contract Amount, $ 20,130.00 Government Participation: 75 % Amount, $ 15,097.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing 80 hrs.	1200.00		1200.00	1200.00	495.00	1695.00
Crosscutting						
Drifting					1030.00	1030.00
Dozer Trenching					1252.50	1252.50
(2) Labor and Supervision:						
Labor					630.00	630.00
Supervision						1375.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						54.00
Explosives						18.55
Pipe						138.72
Track						237.64
Other						41.22
Gas + Oil						37.19
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						72.50
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						48.75
Sampling and Analysis						31.50
Payroll Taxes S.S.						28.58
Liability Insurance S. Ind. Acc.						18.54
Bookkeeping	25.00		25.00	25.00		25.00
Office Expense						8.72
(8) Contingencies (specify): Unemployment Comp.						51.44
TOTALS	1225.00		1225.00	1225.00	5469.85	6694.85

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

Date Sept. 24, 1953 Payee Western Mines Company

Per [signature] Title Manager.

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

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

(Instructions on reverse)

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

$ 918.75

Signature [signature]
(Authorized Certifying Officer)

Date 9/30/53 Vou. No. 928
(See other side)

No MF-104A included. This report for deletion made on Aug. MF-104 paid 9/17/53 # 911.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 414 in accordance with the terms of the contract.

Signature S/ E. H. Erickson Title M. Eng. Date 9/30/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S/ M. E. Volin Title Member Field Team Date 9/30/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

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

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

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

Stage II

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
SEP 25 1953

Month of August, 1953 Docket No. DMEA 2468 Contract No. 1DM-E 414
Operator's Name Western Mines Company Minerals Tungsten
Address Helmville, Montana
Contract Amount, $20,130.00 Government Participation: 75 % Amount, $15,097.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing 80 hrs. *	1200.00		1200.00	-0-	495.00	495.00
Crosscutting						
Drifting 51.5'	1030.00		1030.00	1030.00		1030.00
Dozer Loading					1252.50	1252.50
(2) Labor and Supervision:						
Labor	266.00		266.00	266.00	364.00	630.00
Supervision	600.00		600.00	600.00	675.00	1275.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	54.00		54.00	54.00		54.00
Explosives					18.55	18.55
Pipe Small tools, etc.	144.11		144.11	138.72		138.72
Track	237.64		237.64	237.64		237.64
Other	100.84		100.84	20.29	20.93	41.22
Gas + Oil				37.19		37.19
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	32.50		32.50	32.50	40.00	72.50
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment				48.75		48.75
Sampling and Analysis					31.50	31.50
Payroll Taxes S.S.	36.37		36.37	12.99	15.59	28.58
Liability Insurance See note End. Acc.					18.54	18.54
Bookkeeping *	25.00		25.00	-0-	-0-	-0-
Office Expense (Phone)	7.09		7.09	7.09	1.63	8.72
(8) Contingencies (specify): Unemployment Comp.				23.38	28.06	51.44
TOTALS	3733.55		3733.55	2508.55	2961.30	5469.85

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

Date Sept. 5, 1953 *Payee Western Mines Company

Per Pat T. Phalen Title Manager.

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

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

(Instructions on reverse)

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

$ 1881 44

Signature
(Authorized Certifying Officer)

Date 9/17/53 Vou. No. 911
(See other side)

* Invoices were inadequate.

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 414 in accordance with the terms of the contract.

Signature S/ John Bardill Title Metallurgist Date 9/9/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S/ T. E. Howard Title M. Eng. Date 9/9/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 25 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1953 Docket No. DMEA 2468 Contract No. 1DM-E 414

Operator's Name Western Mines Company Minerals Tungsten

Address Helmville, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Foot	2200.55	51.5'	2200.55	51.5'			
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails	Hour	1533.00	80	1533.00	80	19.164		
TOTAL DISTRIBUTED COSTS		3733.55	131.5	3733.55				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS								

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

Date Sept. 5, 1953 Operator Western Mines Company

Per [signature] Title Manager.

REMARKS: Drifting unit costs are of necessity out of line for this period as some supplies have been purchased for future use as work progresses.

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

(Instructions on reverse)

(For Government use only)

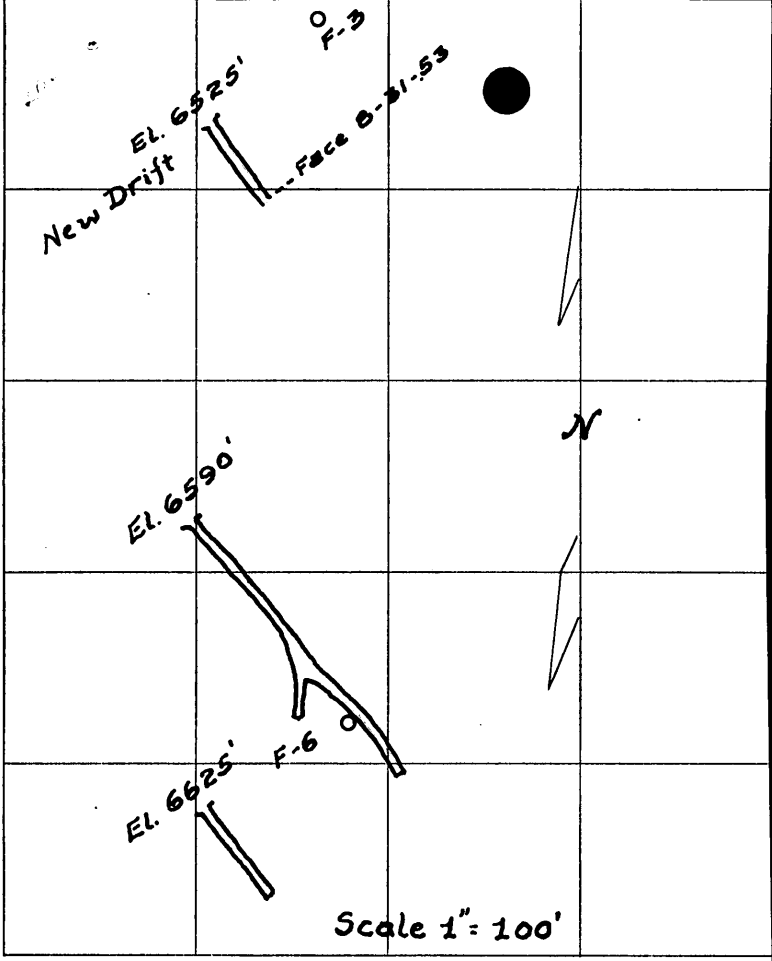
INSTRUCTIONS

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

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

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

GPO 83-38475


F-3
El. 6525'
New Drift
Face 8-31-53
N
El. 6590'
F-6
El. 6625'
Scale 1" = 100'

EXPLORATION PROJECT

WESTERN MINES COMPANY

DOCKET NO. DMEA-2468

SUBJECT: Progress Report for Month of August, 1953.
Amendment No. 1, Stage II (Alternate)

A considerable portion of the access road built under Stage 1 was passable only by tractor. It was necessary to build some new road with lighter grade to get equipment and keep supplies delivered for the development authorized under Stage 2. Leveling of suitable ground for tunnel site was also required. We are still improving grades and installing culverts so development work may continue when weather conditions impair road surfaces, even though all of our alloted dozer hours have been used.

The drift has been started at the point indicated on the attached sketch. This sketch, for purposes requiring greater detail, may be superimposed upon Brunton survey map attached to Stage 1, Completion Report. The drift has been driven a distance of 51.5' on the vein structure. Little, if any, improvement has as yet been shown, which is quite understandable, as due to the rather gentle slope of the hill we are only a very few feet below the surface. The wall rock for the most part is a rather blocky hard blue limestone.

The contractors should make much faster progress from now on as obtaining a portal brow and timbering for some 25' was a slow process. While the ground is rather hard, it breaks good.

Respectfully submitted,

WESTERN MINES COMPANY

By Robert L. Thalau
Manager.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.8
Approval expires 6-30-53.

Wash

RECEIVED
AUG 4 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July 195 3 Docket No. DMEA 2463 Contract No. 1DM-E414
Operator's Name Western Mines Company Minerals Tungsten
Address Helmville, Montana
Contract Amount, $ 21,600.00 Government Participation: 75 % Amount, $ 16,200.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Access Road Drilling						
Bulldozing 33 Hours		495.00	495.00		495.00	495.00
Crosscutting						
Drifting						
Dozer Trenching 38 Hours	570.00	682.50	1252.50	570.00	682.50	1252.50
(2) Labor and Supervision:						
Labor	196.00	168.00	364.00	196.00	168.00	364.00
Supervision	450.00	450.00	900.00	225.00	450.00	675.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		18.55	18.55		18.55	18.55
Pipe						
Track						
Misc. Supplies		6.68	6.68	14.25	6.68	20.93
(4) Operating Equipment:						
Rental	15.00	25.00	40.00	-0-	-0-	-0-
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment Postage	33.13		33.13	31.50		31.50
Sampling and Analysis U.A.B.	9.69	9.27	18.96	6.32	9.27	15.59
Payroll Taxes (Incl. Acc)	70.72	18.54	89.26	-0-	18.54	18.54
Liability Insurance Unemployment Comp.	16.93	16.69	33.62	11.37	16.69	28.06
Sample Sacks	9.75		9.75	-0-	-0-	-0-
Office Expense				1.63		1.63
(8) Contingencies (specify): Black Light Batteries	4.50		4.50	-0-		-0-
TOTALS	1375.72	1890.23	3265.95	1076.07	1890.23	2961.30

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 31, 1953 *Payee Western Mines Company
Per Dale T. Shalen Title Manager.

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 803.30
Signature (Authorized Certifying Officer)
Date 8/18/53 Vou. No. 879
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 414 in accordance with the terms of the contract.

Signature S/ John Bandell Title Metallurgist Date 8/3/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S/ T. E. Howard Title M. Eng. Date 8/17/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-101A
(April 1952)

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

RECEIVED
BUREAU OF MINES
JUL 31 1953
[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1953 Docket No. DMEA . 2468 Contract No. [illegible]
Operator's Name Western Mines Company Minerals [illegible]
Address [illegible], Montana.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching	Hour	1375.72	38 hrs.	2454.33	83½ hrs	29.39+		
Test Pits	Hour			811.62	33 hrs	24.59+		
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1375.72	38 hrs.	3265.95				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date July 31, 1953 Operator Western Mines Company

Per [signature] Title Manager.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

EXPLORATION PROJECT

WESTERN MINES COMPANY

DOCKET NO.DMEA-2468

SUBJECT: Stage One Completion Report.

Construction of more than one mile of access road was rather a major project as it required 103 hours of actual dozer operation, only 33 hours of which were allowed for government participation under Stage 1.

Five trenches as outlined in Stage 1 plans, were cut in a total of 83½ hours of dozing. A Brunton survey map of the property accompanies this report, showing with reasonable accuracy the location of cuts, caved and inaccessible tunnels, together with vein exposures and location and assay results of samples.

CUT NO.1: At an assumed elevation of 6625' is located the highest known tunnel on the property. This tunnel was caved and the cut was made through the center of its approximate length of 60'. A strong quartz vein of from 6" to 8" in width was cut showing an exceptionally high scheelite content. This showing is typical of about 1 ton of very good grade tungsten ore piled on the dump and which when placed under the black light by your Mr. Quinlan showed or indicated high tungsten values. The vein strikes approximately S.35 E. and dips about 25 easterly. Sample No.10 is a grab sample taken in the cut as it was opened by the dozer and shows Au. trace, Ag. 0.3 oz. WO3. 3.20%.

CUT NO.2: Vertically 35' below Cut No.1, in trying to pick up the vein we cut into the back of a caved tunnel and made a Brunton survey of its accessible distance. The vein, while at a very shallow depth, is clearly defined and exposed for approximately 100' in this tunnel, and under the light shows considerable scheelite in it and also in the accompanying dike. The vein as shown averages 12" in width and conforms to the strike and dip of that in Cut No.1. Three samples taken across 12" gave the following results.

Sample No.1.	Au. none	Ag. 0.27 oz.	WO3. 0.70 %	Location on sketch.	
" No.8.	Au. tr.	Ag. 0.4 oz.	WO3. 2.81 %	"	"
" No.9.	Au. tr.	Ag. 0.5 oz.	WO3. 2.36 %	"	"

CUT NO.3: The vein was uncovered in this cut about 40' vertically below Cut No.2 and while only about 3" in width, still conforms to the strike and dip as shown in the above cut and tunnel. The vein shown is badly broken and is surface showing only. Sample No.7 was taken to determine silver values if any in what appeared to be a silver bearing seam in the shear zone. Values were negligible. Sample No.6 was cut across the 3" vein and showed Au. tr. Ag. 0.3 oz. WO3. 0.60%. Sample No.5 was taken across 36" of mixed quartz also in the shear zone and 30' westerly from Sample No.6. Testing for gold and silver values but showed almost total blank.

CUT NO.4: The vein with same strike and dip as above and about 6" wide was shown in this cut about 25' vertically below Cut No.3. Sample No.4, taken across this 6" of surface cut showed the following results: Au. 0.050 oz. Ag. 0.4 oz. WO3. 2.28 %. Sample No.3 taken across 18" of mixed quartz and 20' westerly of Sample No.4 also in shear zone, again showed virtually a total blank. This Cut No.4 is made a short distance south of the granite-lime contact and is the last point at which the vein is disclosed northerly.

[illegible] for an unsuccessful attempt to recover the vein at a [illegible] by extension. Evidently the vein does not extend [illegible] for several hundred feet to the east to de- [illegible] might have been thrown to the east, and at a point 1[illegible] [illegible] 30' southeasterly, several stringers of quartz of unde- [illegible] appeared near the lower caved tunnels. Evidently in the [illegible] occur on some small surface showings on specimens of [illegible] believe this to be a distinctly different zone of mineralization [illegible] gold ore and no tungsten showing. Sample No.2 is a [illegible] quartz as dug by the dozer in making the cut. The results [illegible] Au. 1.2 oz. Ag. 1.2 oz. WO3. none.

[illegible]: The disclosures so far made by trenching indicate a [illegible] zone. Definite strike and dip as so far disclosed, are [illegible] generally seem to follow that of the enclosed vein. The [illegible] very closely associated with a dike of varying thickness [illegible]. This dike as exposed in the tunnel, then subjected to the black [illegible] scheelite and may very well be greatly responsible for the [illegible] in the vein structure.

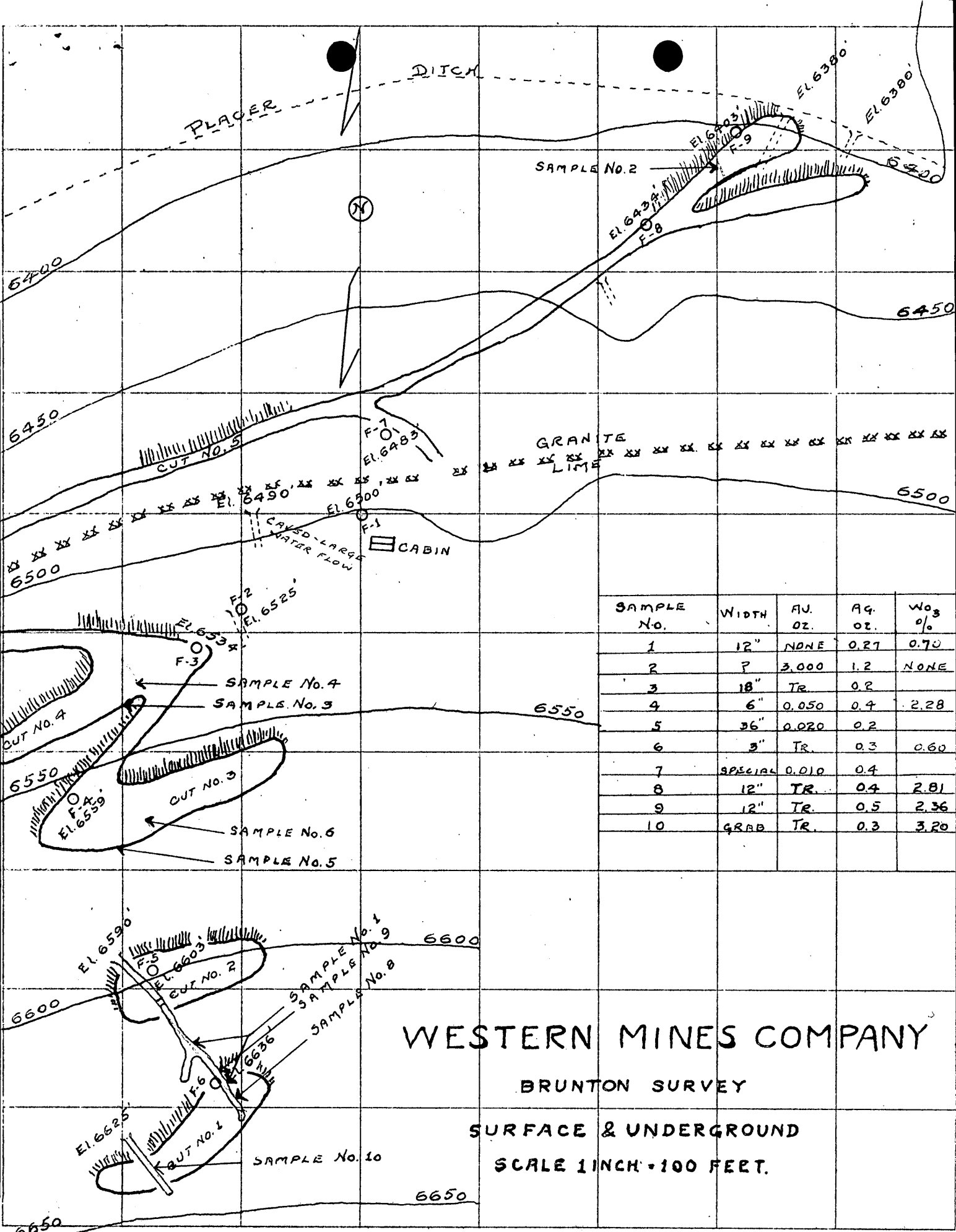
[illegible] of this vein is typical of the productive veins of adjoining [illegible] the discovery with the exception of the tungsten content, which seems [illegible] with but one exception. This exception is the [illegible] as the only other property where vein occurs in the upper Lowland [illegible] The Phelps vein shows considerable scheelite in both the quartz vein and [illegible] with bordering it. Our vein shows continuity, having been followed for [illegible] depth outside through the workings of the upper Lowland [illegible] Values as indicated by samples are [illegible] and not in excess of 20' of depth in the tunnel.

[illegible] do not indicate a bonanza, but the apparent high [illegible] of sufficient gravity to warrant the [illegible] depth.

[illegible] the employment of [illegible] or slightly below the point of [illegible] be equivalent to a point symmetrically under the level of [illegible] will be attained. Any deviation from this plan, such [illegible] in the drift, might be later decided upon in consultation [illegible] and engineer.

Respectfully Submitted,
[illegible]

By [illegible]
Manager.



SAMPLE No.	WIDTH	AU. OZ.	AG. OZ.	WO_3 %
1	12"	NONE	0.27	0.70
2	P	3.000	1.2	NONE
3	18"	TR.	0.2	
4	6"	0.050	0.4	2.28
5	36"	0.020	0.2	
6	3"	TR.	0.3	0.60
7	SPECIAL	0.010	0.4	
8	12"	TR.	0.4	2.81
9	12"	TR.	0.5	2.36
10	GRAB	TR.	0.3	3.20

WESTERN MINES COMPANY

BRUNTON SURVEY

SURFACE & UNDERGROUND

SCALE 1 INCH = 100 FEET.

"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF

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

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

Wash

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

Month of June, 1953 Docket No. DMEA 2468 Contract No. 1DM - E 114
Operator's Name Western Mines Company Minerals Tungsten
Address Helmville, Montana
Contract Amount, $ 21,600.00 Government Participation: 75 % Amount, $ 16,200.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Access Road Bulldozing 33 hours	495.00		495.00			
Crosscutting						
Drifting						
Dozer Trenching 45½ hrs.	682.50		682.50			
(2) Labor and Supervision:						
Labor	168.00		168.00			
Supervision	450.00		450.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	18.55		18.55			
Pipe						
Track						
Misc. Supplies	6.68		6.68			
(4) Operating Equipment:						
Rental	25.00		25.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes O.A.B.	9.27		9.27			
Liability Insurance Ind. Acc.	18.54		18.54			
Unemployment Comp.	16.69		16.69			
(8) Contingencies (specify):						
TOTALS	1890.23		1890.23	1890.23		1890.23

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

Date July 10th, 1953 *Payee Western Mines Company

Per Pat T. Shaler Title Manager

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

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

(Instructions on reverse)

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

$ 1417.62

Signature [illegible]
(Authorized Certifying Officer)

Date 7/29/53 Vou. No. 848
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. DMEA 24/1 in accordance with the terms of the contract.

Signature John Baudell Title Metallurgist Date July 23, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature (S) Thomas E. Howard Title Mining Engr Date 7/23/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1953 Docket No. DMEA 2468 Contract No. 1DM-E114

Operator's Name Western Mines Company Minerals Tungsten

Address Helmville, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching	Hour	1078.61	45½hrs.	1078.61	45½hrs.	23.704		
Test Pits								
Roads and Trails	Hour	811.62	33 hrs.	811.62	33 hrs.	24.594		
TOTAL DISTRIBUTED COSTS		1890.23	78½hrs.	1890.23				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1890.23		1890.23				

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

Date July 10th, 1953 Operator Western Mines Company

Per Dal T. Shaber Title Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

EXPLORATION PROJECT

WESTERN MINES COMPANY

DOCKET NO: DMEA-2468

SUBJECT: PROGRESS REPORT FOR MONTH OF JUNE 1953

Construction of approximately one mile of access road necessary to reach point of exploration, required time greatly in excess of that allotted under contract. This construction was made doubly difficult due to the fact that heavy rains for half of the month's working period, created swamplike areas in the extremely heavy overburden which were hard to make passable for rolling equipment.

Four of the five cross-trenches outlines in Stage I, were completed in June and three of them indicated vein structure. The other one was over an old tunnel which we broke into with the dozer and were subsequently able to enter for inspection. This tunnel was driven for a distance of about 150 feet, portions of which disclose a vein striking S. 35° E. and dipping approximately 35° easterly. The vein varies in width up to 12 inches and under the lamp indicates considerable scheelite.

Drifting on the vein structure from its lowest exposed point would not seem to be indicated.

WESTERN MINES COMPANY

By /s/ Pat T. Phalen

Manager

SEP 22 1954

Mr. Pat T. Phalen, Manager
Western Mines Company
3014 East Third Avenue
Spokane, Washington

Re: Docket No. DMEA 240[illegible] - Tungsten
Western Mines Company
Hopkins Mine
Powell County, Montana
Contract No. Idm-[illegible]414

Dear Mr. Phalen:

We are pleased to advise you that your performance of exploration work under the subject contract has been satisfactory to the Government and the account relating thereto has been closed. The final audited and settled account shows:

Total allowable costs incurred . . . [illegible]

Total Government contribution
at 75 percent . . . . . [illegible]

Your attention is called to Article [illegible](4) of the contract which requires the Operator to "keep and preserve said records and accounts for at least three years after the completion of the project or the termination of this contract."

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the exploration contract. In the absence of such certification, the Government retains no claims or lien against the property or any production therefrom.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: DOCKET
CODE 400
ADM. READ. FILE
FIELD TEAM, REG. II
OPER. COMMITTEE
CODE 800-MR. CHAMBERS
R. W. GEEHAN, USBM
THOR KIILSGAARD, USGS

JHopkins/ls
9-10-54

Government's Copy

EXPLORATION PROJECT CONTRACT
WESTERN MINES COMPANY
DOCKET NO. DMEA-2468

AMENDMENT NO. 1

It is agreed this 20th day of August, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Western Mines Company, each acting in consideration of the agreement of the other to the terms hereinafter set forth, that Exploration Project Contract Idm-E414 (Docket No. DMEA-2468), dated October 6, 1952, between the parties hereto, is amended, effective October 6, 1952, as follows:

In Exhibit "A", under the heading "Estimated Costs of the Project," delete everything following the subheading "Stage II (Alternate)," and substitute the following:

Stage II (Alternate)

1. Independent Contracts

Bulldozer (includes operator, operating supplies, upkeep, and all other costs) for road building and improvement, 80 hours* @ $15.00/hr.*	$1,200.00*	
400 feet* of drifting and crosscutting @ $20.00/ft.* (includes all costs of direct labor at the face; all equipment, except trucks and chain saw; and all supplies necessary for drifting and crosscutting, except timber, ties, rail, and pipe)	8,000.00*	$9,200.00*

2. Labor, Supervision, and Consultants

1 Supervisor-Geologist @ $600.00/mo.*, 5 months	3,000.00*	
1 Roustabout 60 days @ $14.00/da.* (including overtime)	840.00	3,840.00

3. Operating Materials and Supplies

Timber and ties	$200.00	
2-ton, 12# rail (includes spikes, fish plates, and bolts)	350.00	
Pipe, small tools, and miscellaneous supplies	250.00	
Fuel and oil for chain saw and truck	316.00	$1,116.00

4. Operating Equipment

To be purchased - None

To be rented - None

To be furnished by Operator

1 Chain saw, value	$420.00		
1 Truck, value	1,500.00		
Depreciation at $32.00/mo. x 5 months		160.00*	160.00*

5. Rehabilitation and Repairs

None

6. New Buildings, Improvements, Installations

Tool shed and fuel rack		125.00*

7. Miscellaneous

Assaying, 50 samples @ $4.00/ea.	200.00	
Office and engineering supplies	50.00	
Accounting	125.00	
Workmen's compensation, employer's liability insurance, and payroll taxes	384.00	759.00

Total Estimated Cost of Stage I	$4,930.00*	
Total Estimated Cost of Stage II (Alternate)	15,200.00*	
Total Estimated Cost of Project		$20,130.00*
Government Participation at 75%		$15,097.50*

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense
Minerals Exploration
Administration

WESTERN MINES COMPANY

By _____

Docket No. DMA 2468

Commodity Tungsten

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

TERMINATED

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E ~~124~~

Date of Contract or Amendment: August 20, 1953

Name and Address of Operator:

Western Mines Co.
Powell, Montana

Amount of Government participation $ 15,097.50

Percent of Government participation 75 %

Region: II State: Montana

NOTE: Please release $2,125.00; Nivico Contract Administration and Audit Division

Jay L. Chambers
(Name)

J. L. Chambers,
Chief, Contract Administration and Audit Division
(Title)

Date Delivered to Bureau of Mines, Washington. 12/23/53

13908

Document No. DMEA 2468

Commodity Tungsten

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

AMENDMENT

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 114

Date of ~~Contract or~~ Amendment: August 20, 1953

Name and Address of Operator:

Western Mines Co.
Powell, Montana

Amount of Government participation $ 15,097.50

Percent of Government participation 75 %

Region: II State: Montana

Note: This document establishes the amount shown above and cancels the previous obligation of $16,200.00

Jay L. Chambers
(Name)

J. L. Chambers,
Chief, Contract Administration and Audit Division
(Title)

Date Delivered to Bureau of Mines, Washington. Aug. 20, 1953 13908

Docket No. DMA 2468

Commodity Tungsten

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration, under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 414

Date of Contract ~~or Amendment~~: October 6, 1952

Name and Address of Operator:
Western Mines Company
a partnership
Helmville, Montana

Amount of Government participation $ 16,200.00

Percent of Government participation 75 %

Region: II State: Montana

(Name)
J. L. Chambers,
Chief Contract Administration and Audit Division

(Title)

Date Delivered to Bureau of Mines, Washington. Oct. 7, 52

13908

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 24 1952

DOCKET NO. DMEA 2468

COMMODITY Tungsten

Government's Copy
IDM-E 414

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

EXPLORATION PROJECT CONTRACT [1]

IT IS AGREED this 6th day of October, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Western Mines Company, a partnership, as listed in Annex I, Helmville, Montana

hereinafter called the "Operator," as follows:

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Montana, County of Powell, described as follows: [3] 4 lode mining claims described in Annex II, attached hereto and made a part hereof

the Operator represents and undertakes: [4]

(*a*) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: None

(*b*) ~~That the Operator is the owner, in possession and entitled to possession, and the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:~~
The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within 206 days from the date of this contract shall commence work on a project of exploration for [5] tungsten

in or upon the described land; and shall bring the project to completion within a period of 13 months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided.

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

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

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

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

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

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

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

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

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

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

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

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

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

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

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

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

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

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

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

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

ARTICLE 8. *Payments by the Government.*—(*a*) The Government will pay 75 percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $16,200.00, which is 75 percent of $21,600.00, the agreed, estimated total cost of the project in which the Government will participate; *Provided,* that until the Operator's final report and final accounting have been rendered to the Government, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract.

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 13. *Changes and added provisions.* See Annex III.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By O. Whittendorf
Administrator, Defense Minerals Exploration Administration

Western Mines Company
(Operator)

By Pat. T. Phalen (partner)

By [illegible] (partner)

By Frank [illegible] (partner)

By Milton J. Emley (partner)

By Zella Emley (partner)

By John W. Phalen (partner)

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

EXPLORATION PROJECT CONTRACT
WESTERN MINES COMPANY
DOCKET NO. DMEA-2468

ANNEX I

Co-partners and percentage of ownership in mining claims of Western Mines Company are as follows:

Pat T. Phalen, Manager, Spokane, Washington	70%
John B. Hopkins, Grand Junction, Colorado	17%
Frank C. Culver, Seattle, Washington	5%
Milton T. Emley, Spokane, Washington	2%
Zilla Emley, Reardon, Washington	1%
John W. Phalen, Spokane, Washington	5%

EXPLORATION PROJECT CONTRACT
WESTERN MINES COMPANY
DOCKET NO. DMEA-2468

ANNEX II

The claims of Western Mines Company are in Sections 22 and 23, t. 13 N., R. 10 W., Powell County, Montana.

Name of Claim	Date of Location	Recorded in Book of Records	
		Book No.	Page No.
New Progress No. 1	Sept. 12, 1948	8	409
New Progress No. 2	Sept. 12, 1948	8	411
Old Timer No. 1	Sept. 12, 1948	8	405
Old Timer No. 2	Sept. 12, 1948	8	407

EXPLORATION PROJECT CONTRACT
WESTERN MINES COMPANY
DOCKET NO. DMEA-2468

ANNEX III

If the work in Stage II (alternate) is done, that part of Article 8(a) which precedes the proviso will read as follows:

The Government will pay 75 percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $15,097.50, which is 75 percent of $20,130.00, the agreed, estimated total cost of the project in which the Government will participate;

EXPLORATION PROJECT CONTRACT
WESTERN MINES COMPANY
DOCKET NO. DMEA-2468

EXHIBIT "A"

Description of the Work

Stage I

Time Schedule: 0 - 1½ months

Construct an access road, and cut cross-trenches with a bulldozer to locate a vein or veins in the subject area. There shall be a minimum of 5 trenches and a maximum of 11 trenches, each of which shall be not less than 100 feet and not more than 200 feet in length, and of a depth sufficient to expose the underlying rocks so that they can be studied, mapped and sampled where necessary. Figure I attached hereto shows the proposed locations of the trenches.

When the first 5 trenches are completed, the supervising geologist[1/], with the approval of the Government, shall determine whether the balance of the 11 trenches or any part thereof shall be completed.

One of the two alternative items of work specified under Stage II shall be undertaken after the completion of Stage I, if the Government indicates the result of the work under Stage I warrants undertaking work under Stage II.

Stage II

Time Schedule: 1½ - 5 months

Construct more access road and drill approximately 1,500 feet of diamond drill holes. The number, location, attitude and length of the diamond drill holes shall be determined by the supervising-geologist with the approval of the Government.

Stage II (Alternate)

Time Schedule: 1½ to 6½ months

As an alternative to the work described in the previous

1/ The supervising-geologist of the project shall meet with the approval of the Government.

paragraph, with the approval of the Government, construct more access road and drive one or two crosscut adits and drift on the vein if it is found in the crosscuts. The crosscutting and drifting shall not exceed an aggregate of 400 feet.

Estimated Costs of the Project
(* Indicates allowable maximum)

(1) Independent Contracts

Stage I		
Bulldozer[2] (for access roads) 33* hours @ $15.00*/hr. [2]	$ 495.00*	
Bulldozer[2] (for trenching) 150* hours @ $15.00*/hr. [2]	2,250.00*	$ 2,745.00*
Stage II		
Bulldozer[2] (for access roads and leveling drill sites) 80* hours @ $15.00*/hr.	1,200.00*	
1,500 feet of diamond drill holes at $7.50* per foot (includes water, pipe, casing and accessories to be furnished by the contractor)	11,250.00*	12,450.00*

(2) Labor, Supervision and Consultants

Stage I		
1 - Supervising-geologist[3] @ $600.00* per month, 1½* months	900.00*	
1 - Laborer, 30 days @ $14.00/day (includes overtime)	420.00	1,320.00

2/ Estimate is for working hour, and includes operator, operating supplies, upkeep, and all other costs.

3/ The supervising-geologist shall be responsible for all sampling and for making geological maps of the area.

Stage II

1 - Supervising-geologist[4] @ $600.00* per month, 3½* months	$2,100.00*	
1 - Laborer, 40 days @ $14.00/day (includes overtime)	560.00	$ 2,660.00

(3) Operating Materials and Supplies

Stage I

Tools, fuel, oil, sample sacks and miscellaneous supplies	100.00

Stage II

Tools, fuel, oil, sample sacks and miscellaneous supplies	200.00

(4) Operating Equipment

Stage I

To be purchased

None

To be rented

None

To be furnished by the Operator

1 - Truck estimated value $1,500.00; depreciation, $25*/mo., 1½ months	40.00*

Stage II

To be purchased

None

To be rented

None

4/ See footnote 3.

To be furnished by Operator

1 - Truck estimated value $1,500.00; depreciation, $25*/mo., 3½ months		$ 85.00*

(5) Rehabilitation and Repairs

Stages I and II

None

(6) New Buildings, Improvements, Installations

Stages I and II

Tool and core shed, and fuel rack		250.00*

(7) Miscellaneous

Stage I		
Assaying, 50 samples @ $4.00 each	$ 200.00	
Office and engineering supplies	25.00	
Accounting	45.00	
Workmen's Compensation and Employers' Liability Insurance and payroll taxes	130.00	400.00
Stage II		
Core boxes	125.00	
Assaying, 50 samples @ $4.00 each	200.00	
Office and engineering supplies	50.00	
Accounting	105.00	
Workmen's Compensation and Employers' Liability Insurance and payroll taxes	270.00	750.00

(8) Contingencies

Stage I	200.00
Stage II	400.00

Total Estimated Cost for Stage I	$ 4,930.00	
Total Estimated Cost for Stage II	16,670.00	
Total Estimated Cost of Project		$21,600.00*
Government Participation @ 75%		$16,200.00*

* * * * * * * * * *

Stage II (Alternate)

(1) Independent Contracts		
Bulldozer (includes operator, operating supplies, upkeep, and all other costs) for road building and improvement, 80*hours @ $15.00*/hr.		1,200.00*
(2) Labor, Supervision and Consultants		
1 - Supervisor-geologist @ $600.00* per month, 5* months	3,000.00*	
1 - Miner 125 days @ $17.00/day (including overtime)	2,125.00	
1 - Mucker 125 days @ $16.00/day (including overtime)	2,000.00	
1 - Roustabout 60 days @ $14.00/day (including overtime)	840.00	7,965.00
(3) Operating Materials and Supplies		
Fuel, oil, powder, caps, fuse, hose, tools, steel, bits and miscellaneous	2,000.00	
Timber, ties	200.00	
2-ton, 12# rail (includes spikes, fish plates and bolts) at $175.00/ton	350.00	
400 feet 1½" pipe @ $0.35/ft.	140.00	2,690.00

(4) Operating Equipment

To be purchased

None

To be rented

1 - Compressor, 110 cubic feet, @ $212.00/mo., 5 months	1,060.00	
1 - Jackhammer and jackleg @ $50.00/mo., 5 months	250.00	
1 - Mine car @ $10.00/mo., 5 months	50.00	1,360.00

To be furnished by the Operator

1 - Chain saw, value	420.00	
1 - Truck, value	1,500.00	
	1,920.00	
Depreciation @ $32.00*/mo., 5* months		160.00*

(6) New Buildings, Improvements, Installations

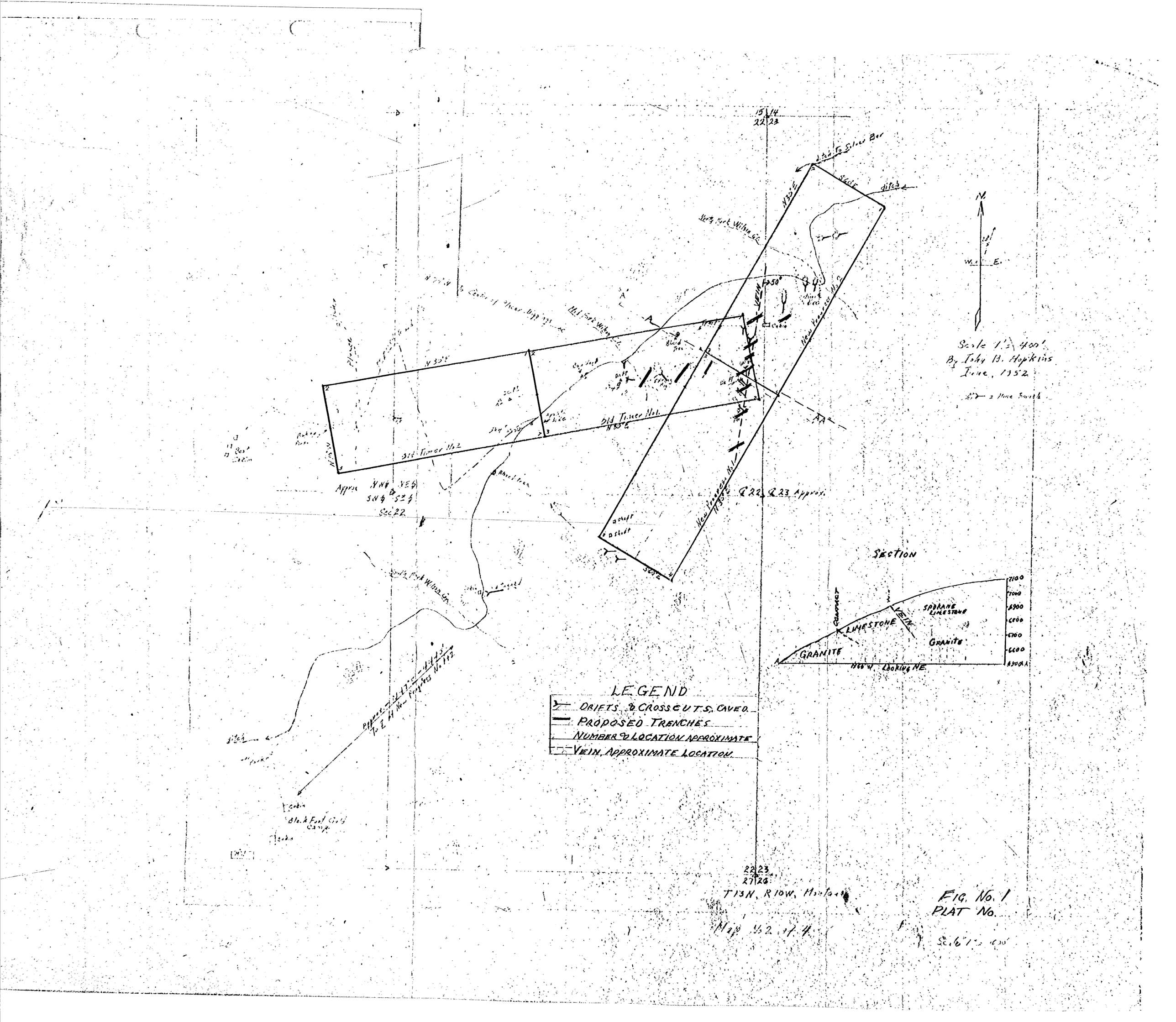
Tool shed and fuel rack		125.00*

(7) Miscellaneous

Assaying, 50 samples @ $4.00 each	200.00	
Office and engineering supplies	50.00	
Accounting	125.00	
Workmen's Compensation and Employer' Liability Insurance and payroll taxes	835.00	1,210.00

(8) Contingencies 490.00

Total Estimated Cost of Stage I	$ 4,930.00	
Total Estimated Cost of Stage II (Alternate)	15,200.00	
Total Estimated Cost of Project		$20,130.00*
Government Participation @ 75%		$15,097.50*


15 14
22 23
Ditch To Silver Bar
S 60° E
ditch
N 30° E
North Fork Wilson Cr.
N 30° E
VEIN
Cabin
New Progress No. 2
Scale 1" = 400'
By John B. Hopkins
June, 1952
= Hole Bottom
Old Timer No. 1
N 30° E
Old Timer No. 2
Approx NW¼ NE¼
SW¼ SE¼
Sec 22
New Progress No. 1
N 30° E
Sec 22 & 23 Approx.
SECTION
CONTACT
LIMESTONE
VEIN
SPOKANE LIMESTONE
GRANITE
GRANITE
N 60° W. LOOKING NE.
7100
7000
6900
6800
6700
6600
6500 A
LEGEND
DRIFTS & CROSSCUTS, CAVED.
PROPOSED TRENCHES
NUMBER & LOCATION APPROXIMATE
VEIN, APPROXIMATE LOCATION.
Black Foot Gold Camp
22 23
27 26
T 13 N, R 10 W, Montana
Map No. 1 of 4
FIG. No. 1
PLAT No.