DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of **Iron and Ferro-Alloys**

DMEA No.	Operator	Report Period	Contract No.
2820	**Garnet Tungsten Mining Company (Knowles Bothers, Assignee)**	1.1-6-30.57	Idm-E556

ORE ESTIMATES

	Tons	Analysis
DMEA	255,000 *	0.31 % WO_3 *
Operator to date	None	
Total	255,000 *	0.31 " " *
Production to date	None	
Ore in ground	255,000 *	0.31 " " *

INVESTMENT

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts				
Raises				
Drilling	Type D. D.	AX	4,000	$24,000
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill		
~~XXXXX~~ Trenching	24,000 cu. Yds.	$ 6,000

REMARKS

* Old "Official" reserve tonnage and grade.

"The Union Carbide Nuclear Corp., Bishop, California, holds the property through option agreement. No further work has been completed on the property during the reporting period. Purchase payments are being made on a yearly basis."

Prepared by Stephen P. Holt Date 3.4.58
(Revised 4.7.58)

Contact W. Chandler

31398

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

June 20, 1963

Re: DMEA-2820 (Tungsten)
Knowles Bros., Assignee
Garnet Tungsten Mine
Elko County, Nevada
Contract Idm-E556

Mr. A. A. Knowles
Box 87
Mountain City, Nevada

Dear Mr. Knowles:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

F M Murphy

F. M. Murphy, Acting Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUL 2 1963

DATE	INITIALS	CODE
7/3		800
7-3		100
7/3		110
		500

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

From July 31, 1962, to June 25, 1963

1. ~~XXXXX~~ , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

From July 31, 1962, to June 25, 1963

2. ~~XXXXX~~ , has there been any production from the land subject to the contract? Yes ☐ No ☒

A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name A. A. Knowles Title Owner-Partner

Address Box 87 Date Mtn. City, Nevada.

4511

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

July 27, 1962

Re: DMEA-2820 (Tungsten)
Knowles Bros., Assignee
Garnet Tungsten Mine
Elko County, Nevada
Contract Idm-E556

Mr. A. A. Knowles
Box 87
Mountain City, Nevada

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 6 1962

DATE	INITIALS	CODE
8/6		800
		100
		110
8/9		500
		500
		220

Dear Mr. Knowles:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since September 26, 1960 , has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since September 26, 1960 , has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name A. A. Knowles Title Partner

Address Box 87 Mtn. City Nevada Date July-31-1962

4511

FOR INFORMATION
ON CERTIFIED PROJECT
UNDER ROYALTY AGREEMENT

~~Holt~~ 220

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Field Officer, OME
Custom Building, 555 Battery Street
San Francisco 11, California

Concerning:
Docket No. DMEA-2820, Idm-E-556
Property Garnet Tungsten Mining Co.
Garnet Tungsten Mine
Location Elko County, Nevada

Date. September 19, 1960

FEB 17 1961
O.M.E

A. A. Knowles
~~General Delivery~~ Box 87
Mountain City, Nevada

With the certification of the exploration project identified above, you were asked to inform our office about changes in the status of the property and production from it.

To assist you to furnish this information and to assure the accuracy of our records, we ask that you answer the questions below and return one copy to this office with copies of any pertinent documents.

GLENN G. GENTRY, Field Officer, Region II

1. Since 1959, has there been a change in ownership, lease, or sublease about which the OME has not been notified? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents.

Yes ☐ No ☒

2. Since 1959, has there been any production from the property? *Yes ☐ No ☒

A. If so and it was shipped, give name and address of purchaser?

	Quantity	Value

B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

Submitted by:

Name A. A. Knowles
Title Partner
Address Box 87, Mtn. City, Nevada
Date 9/26/-60

OME Form 63 8-60 * Property means land subject to the contract.

79340-60

SEMI-ANNUAL REPORTS OF CERTIFIED PROJECTS

Reporting Period 7/1/57-12/31/57 Date of Examination 12/31/57

Operator Garnet Tungsten Mining Co. (Knowles Bros., Assignee)
Option held by Union Carbide Nucleur Corp., Bishop, Calif.

Mine Name Garnet Tungsten Nos. 1 and 2 Claims

County and State Elko County, Nevada

Docket Number and Commodity DMEA-2820 (Tungsten)

Contract Number Idm-E 556

Date of Contract

Date of Certification

Expiration Date of Royalty Payments

Total Amount of Contract

Total Expenditures under Contract

Amount of Government Participation at %

Royalty Payments this Period

Previous Royalty Payments

Total Royalty Payments to Date

Percent Government Participation Repaid

Royalty Due on Production to Date

Royalty Remarks:

FILE COPY
DMEA
RECEIVED FEB 3 1958

DATE	INITIALS	CODE
2/4	C	220

NO CHANGE

NO CHANGE

	Tons	Analysis
Original Estimate of DMEA Reserves (Field Team Final Report) Mines ☐ Survey ☐ Joint ☐		
Revised Estimate of DMEA Reserves (Field Team) Mines ☐ Survey ☐ Joint ☐	NO CHANGE	
Increase of Reserves by work performed subsequent to DMEA project work		
Production DMEA ore (This Period)		
(Previous)		
(To date)		
Operator's ore found subsequent to DMEA work (This period)		
(Previous)	NO CHANGE	
(To date)		

Percent Revised Reserves mined _____

Investment Data

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

NO CHANGE

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

Purchase payments are being continued by the Union Carbide Nucleur Corp., Bishop, California. Assessment work for current year has not yet been started.

Signed [illegible] (Engineer)
For: Henry W. Jones

SEMI-ANNUAL REPORTS OF CERTIFIED PROJECTS

Reporting Period 1/1/57 - 6/30/57 Date of Examination 6/30/57

Operator Garnet Tungsten Mining Co. (Knowles Bros., Assignee)
Option held by Union Carbide Nucleur Corp., Bishop, Calif.

Mine Name Garnet Tungsten

County and State Elko County, Nevada

Docket Number and Commodity DMEA-2820 (Tungsten)

Contract Number Idm-E 556

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 5 1957

DATE	INITIALS	CODE
8/8	Cou	100

Date of Contract 6/25/53

Date of Certification 10/27/54

Expiration Date of Royalty Payments 6/25/63

Total Amount of Contract $21,760.00

Total Expenditures under Contract $21,760.00

Amount of Government Participation at 75% $16,320.00

Royalty Payments this Period None

Previous Royalty Payments None

Total Royalty Payments to Date None

Percent Government Participation Repaid None

Royalty Due on Production to Date None

Royalty Remarks: No production.

Garnet Tungsten Mining Co. DMEA-2820 Idm-E 556

						Tons	Analysis
Original Estimate of DMEA Reserves (Field Team Final Report)	Mines [ ]	Survey [ ]	Joint [X]			780,000	0.3 -0.5% WO_3
Revised Estimate of DMEA Reserves (Field Team)	Mines [ ]	Survey [ ]	Joint [ ]			No change	
Increase of Reserves by work performed subsequent to DMEA project work						None	
Production DMEA ore				(This period)		None	
				(Previous)		None	
				(To date)		None	
Operator's ore found subsequent to DMEA work				(This period)		None	
				(Previous)		None	
				(To date)		None	

Percent Revised Reserves mined None

Investment Data

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Drilling Type & Size	Drilling Feet	Drilling Cost	Rehabilitation Description	Rehabilitation Cost
			Diamond Ax	4,000	$24,000.		

Mine Plant Description	Mine Plant Cost	Facilities Mill Description	Facilities Mill Cost	Trenching ~~Roads~~ Description	Trenching ~~Roads~~ Cost
				24,000 cu.yds.	$6,000.

Remarks

The Union Carbide Nucleur Corp., Bishop, California holds the property through option agreement. No further work has been completed on the property during the reporting period. Purchase payments are being made on a yearly basis.

Signed Henry W. Jones (Engineer)
Henry W. Jones

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 9 JAN 1957

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~[illegible] Division~~
6. Docket Control Mails and Files

Note comments in report regarding:

1. Some investment data.
2. Possible that ore reserves will be
3. revised later.
4. Please to mail include some land purchases to [illegible] project.

and take appropriate action.

- - - - - - - -

Action taken by Division:

This should go into Docket for information of anyone concerned with transfer of ownership now in progress

2/19/57

Robert C. Adams

SEMI-ANNUAL REPORTS OF CERTIFIED PROJECTS

Reporting Period 7/1/56 - 12/31/56 Date of Examination 12/31/56

Operator Garnet Tungsten Mining Company (Knowles Bros., Assignee)
Leased to Union Carbide Nucleur Corp., Bishop, Calif.

Mine Name Garnet Tungsten

County and State Elko County, Nevada

Docket Number and Commodity DMEA-2820 (Tungsten)

Contract Number Idm-E 556

RECEIVED JAN 28 1957 D.M.E.A.

Date of Contract 6/25/53

Date of Certification 10/27/54

Expiration Date of Royalty Payments 6/25/63

Total Amount of Contract $21,760.00

Total Expenditures under Contract $21,760.00

Amount of Government Participation at 75 % $16,320.00

Royalty Payments this Period 0

Previous Royalty Payments 0

Total Royalty Payments to Date 0

Percent Government Participation Repaid 0

Royalty Due on Production to Date 0

Royalty Remarks: No production.

Garnet Tungsten Mining Co. Idm-E 556 DMEA-2820

	Tons	Analysis
Original Estimate of DMEA Reserves (Field Team Final Report) Mines /____/ Survey /____/ Joint /x/	780,000 ?	0.3 to 0.5% WO_3
Revised Estimate of DMEA Reserves (Field Team) Mines /____/ Survey /____/ Joint /____/	No change	
Increase of Reserves by work performed subsequent to DMEA project work	No data available yet	
Production DMEA ore (This period)		
(Previous)		
(To date)		
Operator's ore found subsequent to DMEA work (This period)		
(Previous)		
(To date)		

Percent Revised Reserves mined None

Investment Data

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Drilling Type & Size	Drilling Feet	Drilling Cost	Rehabilitation Description	Rehabilitation Cost
			Diamond AX	est. 4,000	$24,000.		

Mine Plant Description	Mine Plant Cost	Facilities Mill Description	Facilities Mill Cost	Trenching ~~Roads~~ Description	Trenching ~~Roads~~ Cost
				24,000 cu.yds.	$6,000.

Remarks

The property was leased to Union Carbide Nucleur Corporation, Bishop, California. A diamond drill and trenching program was completed by the lessees during the summer and fall. Results will determine if the property is to be purchased or will revert back to the owners. No data available as to increased tonnage but will endeavor to obtain from owners as soon as outcome of lease is ascertained.

Signed _____ (Engineer)

Henry W. Jones

C556

SEMI-ANNUAL REPORTS OF CERTIFIED PROJECTS

Reporting Period 1/1/56 - 6/30/56 Date of Examination 6/30/56

Operator Garnet Tungsten Mining Co., (Knowles Bros., assignee)

Mine Name Garnet Tungsten

County and State Elko County, Nevada

Docket Number and Commodity DMEA-2820 (tungsten)

Contract Number Idm-E556

Date of Contract 6/25/53

Date of Certification 10/27/54

Expiration Date of Royalty Payments 6/25/63

Total Amount of Contract $21,760.00

Total Expenditures under Contract $21,760.00

Amount of Government Participation at 75% $16,320.00

Royalty Payments this Period -0-

Previous Royalty Payments -0-

Total Royalty Payments to Date -0-

Percent Government Participation Repaid -0-

RECEIVED JUL 26 1956

Royalty Due on Production to Date -0-

Royalty Remarks: No production.

Original Estimate of Reserves
DMEA Final Report

	Tons	Grade
Measured:	90,000)	
	)	0.3
Indicated:	315,000)	to
	)	0.5% WO_3
Inferred:	375,000)	

Increase (or Decrease) of Reserves
Work performed subsequent to
original and last Field Team
estimate:

	Tons	Grade
Measured:		
Indicated:		
Inferred:		

Revised Estimate of Reserves	780,000	0.3 to 0.5% WO_3
Production this Period	-0-	
Amount of Previous Production	-0-	
Total DMEA Production to Date	-0-	

Production Remarks: No production.

Other Remarks: Inactive, pending possible sale.

Signed: [signature]
FOR: Robert G. Reeves

2820

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 1-18

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~Jun. & Jun. Atty.~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Note shift in reserves.
2. Typographical error?
3. Says inactive since completion contract?
4.

and take appropriate action. see letter prepared 1/30/56 (5)

Action taken by Division:

ROBERT E. ADAMS

Initials

REGION II
SEMI-ANNUAL REPORT
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Docket No.: DMEA-2820 (Tungsten) Date: 12/31/55

Contract No.: Idm-E556

Operator: Garnet Tungsten Mining Co.
Knowles Bros. (Assignee)
Mountain City, Nevada

Garnet Tungsten
Elko County,
Nevada

Date of Contract: 6/25/53 Completion Date: 10/1/55

	Total	Expenditures	Gov't Participation
Amount of Contract:	$21,760.00	$21,760.00	$16,320.00

Date Certified: 10/27/54

Estimated Reserves

DMEA Project	Tons	Grade	Gross Value
Measured:	90,000		
Indicated:	270,000	0.3 - 0.5%	$11,340,000.00
Inferred:	240,000		

DMEA Reserve Est. 225,000 T, 0.315% WO_3
(Had become of irregular nature of ore)

January 1, 1956

Measured:	90,000		
Indicated:	270,000	0.3 - 0.5%	$14,742,000.00
Inferred:	420,000		

	This Period	Todate	Gross Value
Production:	0	0	0

	This Period	Todate	Percent Payment
Royalty:	0	0	0

Status: Inactive since completion of DMEA contract. No ore shipments have been made from the property. Operators have requested additional DMEA exploration assistance. Property inaccessible during winter months.

Form [illegible]-714 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of SEPTEMBER, 1955 Docket No. DMEA 2820 Contract No. Idm-E556
Operator's Name Knowles Bros. Minerals Tungsten
Address Box 87, Mountain City, Nevada
Contract Amount, $21,760.00 Government Participation: 75 % Amount, $16,320.00

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						
Bulldozing		17,760.00				
Crosscutting	4,000.00	~~16,960.00~~	21,760.00			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
		17,760.00				
TOTALS	4,000.00	~~16,960.00~~	21,760.00			

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

Date October 25 *Payee Knowles Bros.

Per G. R. Knowles Title Partner

*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:

$3000.00

Signature
(Authorized Certifying Officer)

Date SF- Vou. No. DMEA-18

(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. Idm-E556 in accordance with the terms of the contract.

Signature Henry W. Jones Title Mining Engineer Date 11/1/55

Henry W. Jones

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 11/1/55

S. Ricker

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.

Form MF6104A
(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 SEPTEMBER 1955 Docket No. DMEA 2820 Contract No. Idm-E556
Operator's Name Knowles Bros. Minerals Tungsten
Address Box 87, Mountain City, Nevada

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	ft.	4,000.00	100	16,000.00	400		400	40.00
Raising								
Shafts								
Winzes								
Drilling: Core				4,960.00				
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing				800.00				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs					Stage 1 completed			
New Buildings, Improvements, etc.					and audited. Stage			
					2 completed.			5,760.00
TOTAL COSTS		4,000.00	100	21,760.00				21,760.00

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

Date October 25 Operator Knowles Bros.

Per A. R. Knowles Title Partner

→ 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)

REMARKS: During the month of Sept. we continued straight forward on S-52-E until we came to the contact between tactite and lime then we backed up far enough to allow the tunnel to be driven along the right hand side of the ore body which was approximately 12 to 15 ft. from the contact with the lime, the contact & tunnel are parallel at S-32°E here. Ore still good to end of tunnel.

(For Government use only)

Henry W. Jones

INSTRUCTIONS

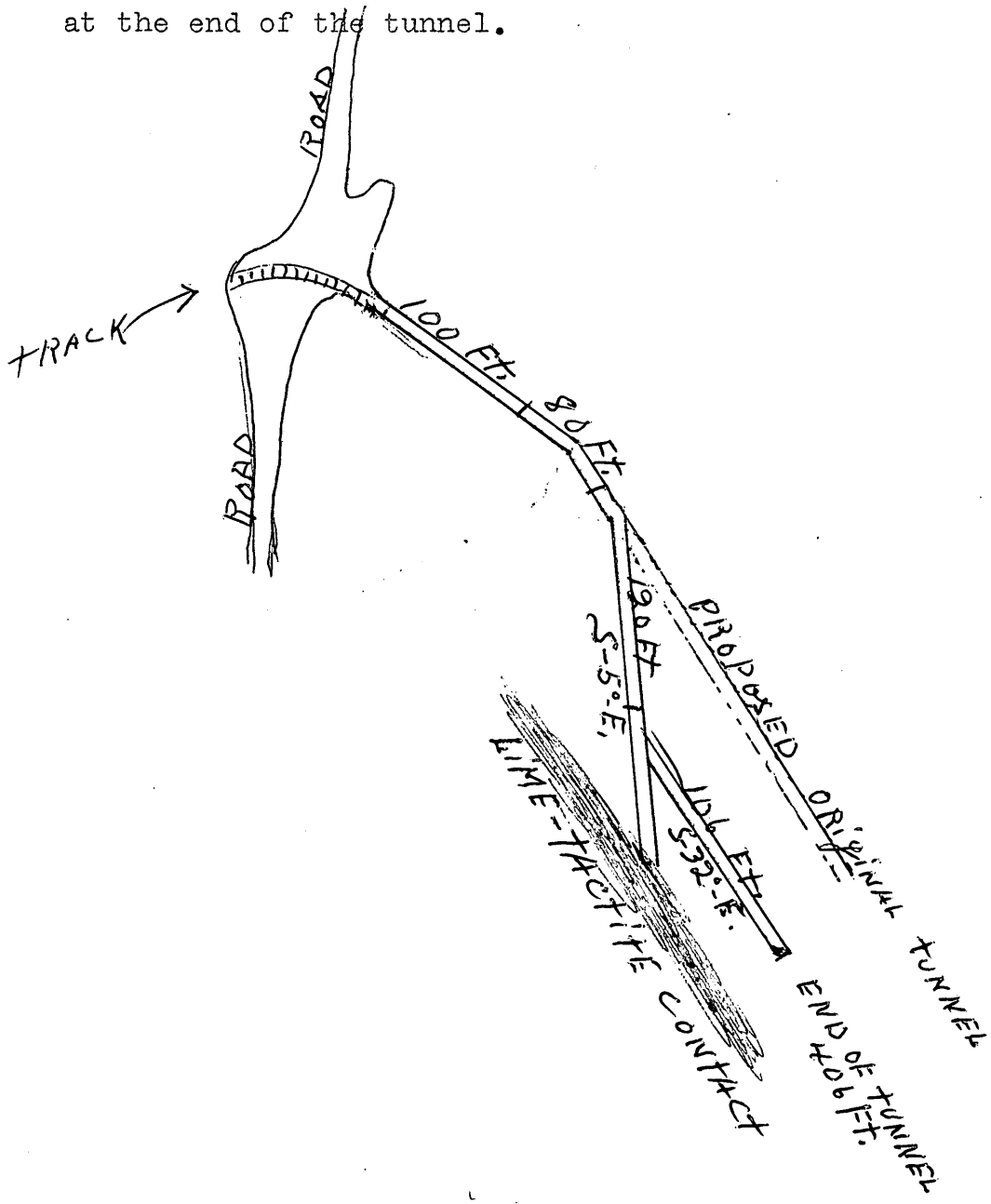
Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better 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

Diring the month of September while driving the last 106 feet of this tunnel we were heading S-5°-E until contacted the lime, we then backed up about 30 feet and started at S-32°-E, which put the tunnel along the right edge of the ore body with good milling ore to the end of the tunnel. The best ore is on the left side of the tunnel as we were driving along the right side of the ore body. This tunnel needs several cross-cuts on the left side to determine the size of the ore body. Also needs cross-cut for more information on the uranium vein encountered at 287 feet in August. There is no sign of scheelite giving out at the end of the tunnel.



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

RECEIVED
SEP 16 1955

9/12/55

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA-2920

Contract No. Idm-E556

Commodity Tungsten

Operator Knowles Bros.

Property Garnet Tungsten Mine, Elko Co., Nev.

By H. W. Jones

Dated 9/12/55

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

BUREAU OF MINES
WASHINGTON, D. C.
SEP 16 8 29 AM '55

INTERIM REPORT

RECEIVED
SEP 16 1955

Docket No. DMEA-2820 (Tungsten) Sept. 12, 1955

Name and address of operator: Abram A. Knowles, partner
Knowles Bros. (Assignee)
Mountain City, Nevada

Name and location of property: Garnet Tungsten Mine
Garnet No. 1 and Garnet No. 2 claims
Elko County, Nevada

Contract No.: Idm-E556

The Garnet Tungsten mine was inspected on August 30 in company with Abe Knowles, partner, to check the work progress since the previous visit of August 3, 1955.

The adit was turned from its S 32° E bearing to S 7° E in an effort to intersect the limestone hanging wall. Advance in this heading was 109 feet. Total footage advance since the start of the project was 295 feet. Low grade (0.2% est.) scheelite mineralization was noted in streaks throughout the tactite but was not of sufficient grade to be considered as mill ore.

A 12-inch gouge filled fault in the tactite was noted at the 289 foot point of the adit. The gouge contained a dark, almost black, form of mineralization that was found to be quite radioactive. Two samples of the material were taken to be tested for uranium content. Sample descriptions are as follows:

No. 1331 - Radioactive pieces of black rock selected from the waste dump by use of scintillator.

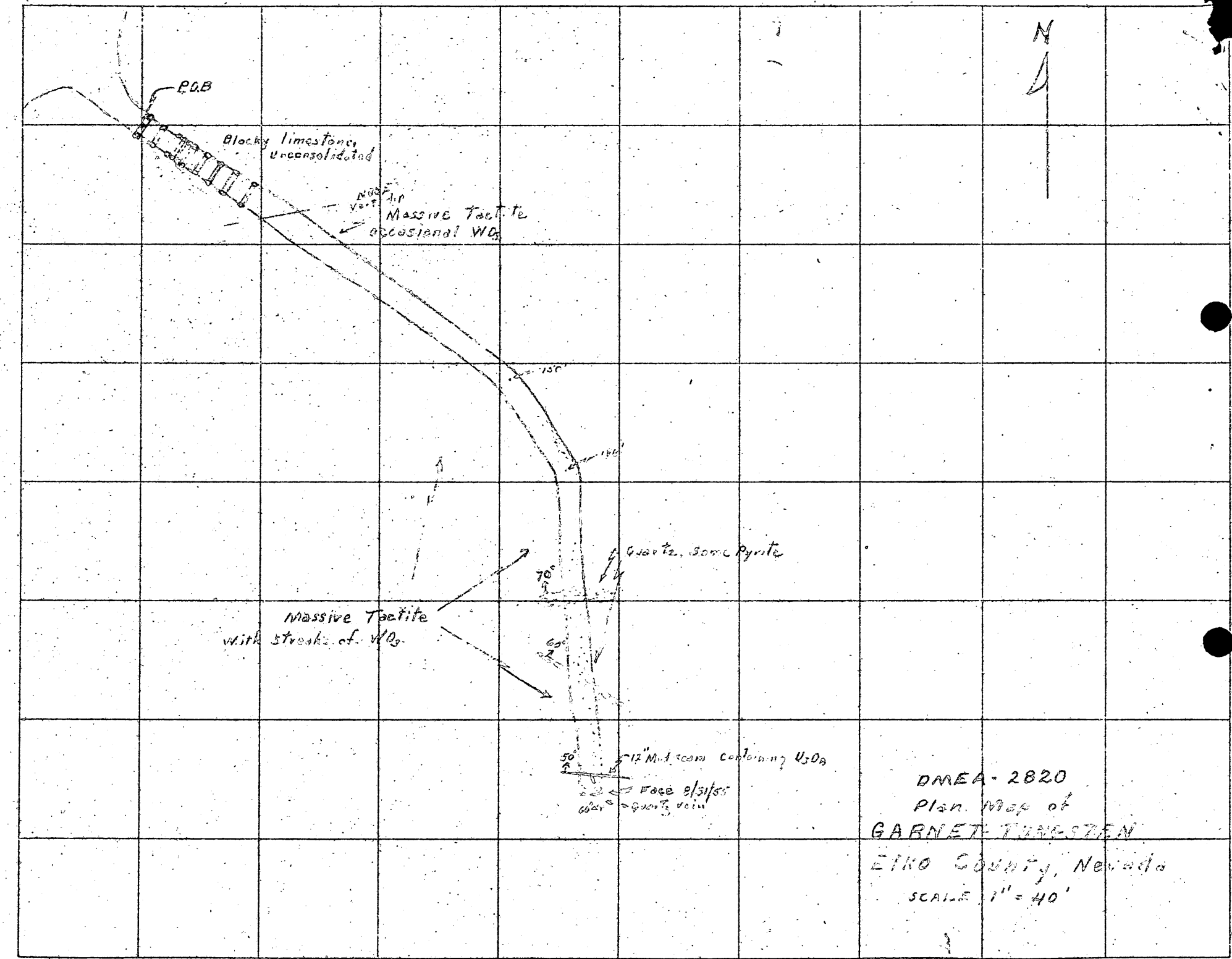
No. 1331A - Fissure sample 1.0 feet in width showing stringers of black minerals intermixed with green and brown fault gouge.

Results from the samples submitted for WO_3 analyses during the previous inspection are as follows: Sample #243 - 0.01; sample #244 - 0.18; and sample #245 - 0.11.

The operators are obtaining excellent footage in the hard tactite by means of a new method of loading the blast holes. The cap and fuse are placed in a 16 by 2-1/2 inch - 60% strength stick of powder, which is tamped at the bottom of the hole. The remainder is filled with 45% strength powder. Using a 5 hole burn cut, the round generally over-breaks about 1/2 foot beyond the end of the holes. By means of this method, the number of holes have been decreased from 25 to 20 per round.

H. W. Jones

H. W. Jones
Mining Engineer


N
P.O.B
Blocky limestone, unconsolidated
Massive Tactite occasional WO_3
Quartz, some Pyrite
Massive Tactite with streaks of WO_3
70°
60°
50°
12" Mud seam containing U_3O_8
Face 8/31/55
Quartz vein
DMEA - 2820
Plan Map of
GARNET TUNGSTEN
Elko County, Nevada
SCALE 1" = 40'

RECEIVED
SEP 16 1955

R M E a

RECEIVED
SEP 14 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

9/12/55

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA- 2820

Contract No. Idm-E 556

Commodity Tungsten

Operator Knowles Brothers

Property Garnet Tungsten Mine, Elko County, Nev.

By Robert G. Reeves, USGS

Dated 9/8/55

S. Ricker
S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

BUREAU OF MINES
WASHINGTON, D. C.

SEP 14 9 15 AM '55

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Mineral Deposits Branch
4 Homewood Place
Menlo Park, California

RECEIVED
SEP 14 1955

September 8, 1955

Memorandum

To: DMEA Field Team, Region II

From: Robert G. Reeves, U. S. Geological Survey

Subject: Docket DMEA 2829 (Tungsten)
Knowles Brothers
Garnet Tungsten Mine
Elko County, Nevada
Contract No. Idm-E556

The Garnet tungsten mine was inspected on August 17, 1955, accompanied by Mr. Ed Knowles, Partner. Work was in progress at the time of the inspection.

The adit has been driven 248 feet; the first 150 feet on a bearing of S. 55° E., the next 38 feet on a bearing of S. 32° E. and the last 60 feet on a bearing of S. 5° E. The contract calls for 400 feet of adit; 152 feet remains to be driven.

The first 53 feet are in shale that strikes N. 30° W. and dips S. 55° W. At 53 feet a fault that strikes N. 80° E. and dips 80° N. was cut; this fault separates shale and tactite. From 53 feet on to the face, the adit is in tactite.

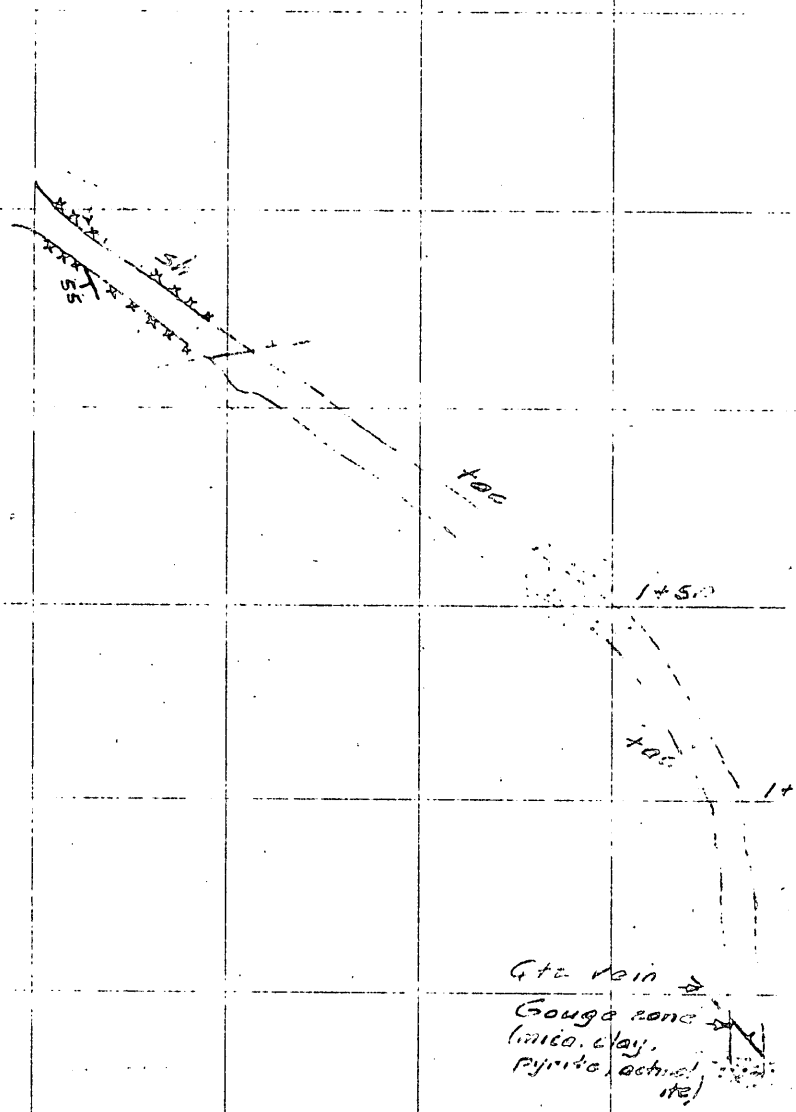
A scheelite bearing zone 25 feet long 125 feet from the portal was estimated to contain less than 0.2 percent WO_3. A 6 inch quartz vein with a gouge zone on the footwall side at 240 feet strikes N. 40° W. and dips 70° NE.

A scheelite-bearing zone of probable ore grade material was cut at 244 feet. This material was stockpiled in a separate ore pile and a grab sample of the ore pile was to be submitted to the Bureau of Mines in Reno by the applicants.

Distribution:
DMEA (orig. & 3)
USBM (2)
Reeves
File

UNITED STATES
DEPARTMENT OF INTERIOR

DMEA 2A-60



Sh	Shale
tac	Tactite
	Qtz vein
	Scheelite
xxx	Lagged

GARNET TUNGSTEN ADIT
Aug 11, 1945 111-40'
Robert G. Reeves

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

RECEIVED
SEP 14 1955

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Mineral Deposits Branch
4 Homewood Place
Menlo Park, California

RECEIVED
SEP 14 1955

September 8, 1955

Memorandum

To: DMEA Field Team, Region II

From: Robert G. Reeves, U. S. Geological Survey

Subject: Docket DMEA 2820 (Tungsten)
Knowles Brothers
Garnet Tungsten Mine
Elko County, Nevada
Contract No. Idm-E556

The Garnet tungsten mine was inspected on August 17, 1955, accompanied by Mr. Ed Knowles, Partner. Work was in progress at the time of the inspection.

The adit has been driven 248 feet; the first 150 feet on a bearing of S. 55° E, the next 38 feet on a bearing of S. 32° E. and the last 60 feet on a bearing of S. 5° E. The contract calls for 400 feet of adit; 152 feet remains to be driven.

The first 53 feet are in shale that strikes N. 30° W. and dips S.55° W. At 53 feet a fault that strikes N. 80° E. and dips 80° N. was cut; this fault separates shale and tactite. From 53 feet on to the face, the adit is in tactite.

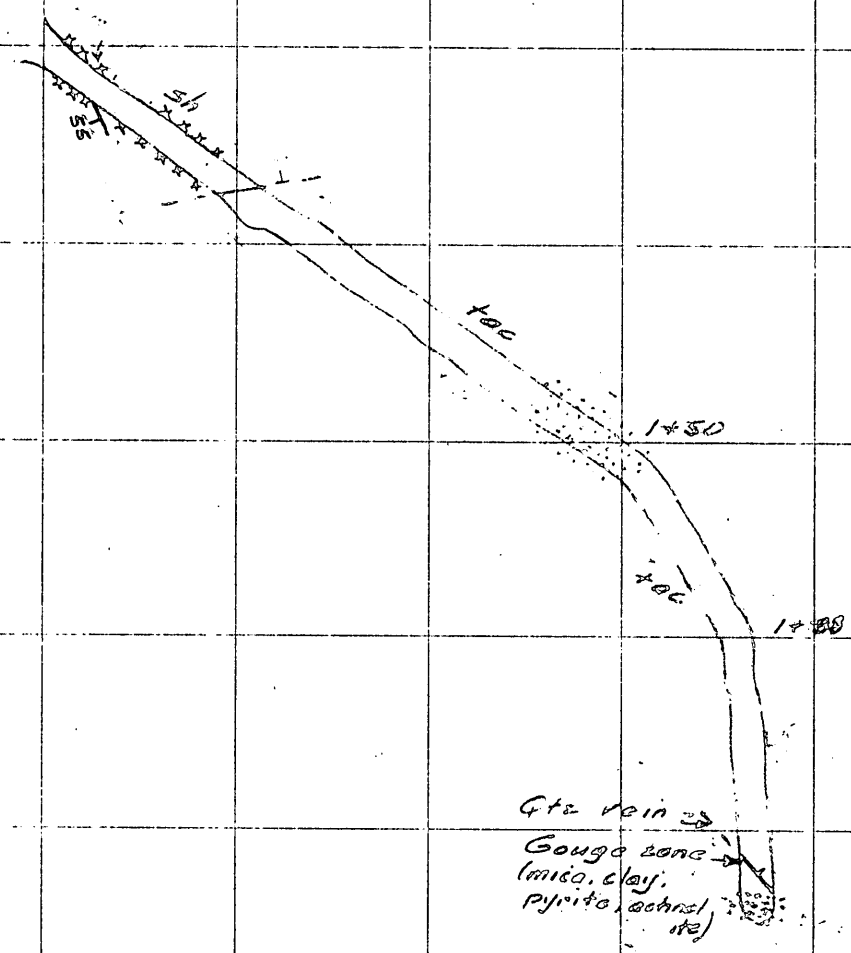
A scheelite bearing zone 25 feet long 125 feet from the portal was estimated to contain less than 0.2 percent WO_3. A 6 inch quartz vein with a gouge zone on the footwall side at 240 feet strikes N. 40° W. and dips 70° NE.

A scheelite-bearing zone of probable ore grade material was cut at 244 feet. This material was stockpiled in a separate ore pile and a grab sample of the ore pile was to be submitted to the Bureau of Mines in Reno by the applicants.

Distribution:
DMEA (orig. & 3)
USBM (2)
Reeves
File

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

DMEA 2860
(tungsten)



Sh Shale
tac Tactite
Qtz vein
Scheelite
Lagged

GARNET TUNGSTEN ADIT
Aug 17, 1955 1" = 40'
Robert G. Reeves

"ALBANENE" No. 165M K&E CO., N.Y.
REG. U.S. PAT. OFF

400

RECEIVED
OCT 10 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Memorandum

1605 Evans Avenue
Reno, Nevada

Date: 10/7/55

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Operator's Monthly Progress Reports - Forms MF-104 and MF-104A

Attached are two copies of each of the subject report(s) received from the operator as listed below. These reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report Dated	Period Covered
Idm-E556 DMEA-2820	Knowles Bros.	9/4/55	August, 1955
Idm-E793 DMEA-3478	Petersen, Lowe, Bush & Campbell	10/4/55	September, 1955
Idm-E826 DMEA-3724	L. A. Smith & B. C. Austin	10/3/55	September, 1955

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments

Copy to: H. C. Miller
R. M. Smith
File

MF-104
Avg

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of AUGUST, 1955 Docket No. DMEA 2820 RECEIVED Contract No. Idm-E556
Operator's Name Knowles Bros. Minerals Tungsten
Address Box 87, Mountain City, Nevada OCT 10 1955
Contract Amount, $ 21,760.00 Government Participation: 75 % Amount, $ 16,320.00

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					$4960.00	$4960.00
Bulldozing					800.00	800.00
Crosscutting	4800.00	12,960.00	17,760.00	4800.00	7200.00	12,000.00
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	4800.00	12,960.00	17,760.00	$4800.00	12,960.00	17,760.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Sept. 4, 1955 *Payee Knowles Bros.

Per R. A. Knowles Title Partner

*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:

$ 3600 00

Signature
(Authorized Certifying Officer)

Date Vou. No. SF-DMEA-15

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. [illegible]-E856 in accordance with the terms of the contract.

Signature Henry W. Jones Henry W. Jones Title Mining Engr. Date 10/4/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Executive Officer
DMEA Field Team

Signature G. Ricker G. Ricker Title Region II Date 10/4/55

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.

MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
OCT 10 1955

Month of AUGUST 1955 Docket No. DMEA 2820 Contract No. Idm-E556
Operator's Name KNOWLES BROS. Minerals Tungsten
Address Box 87, Mountain City, Nevada

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	ft.	4800.00	120	12,000.00	300		400	40.00
Raising								
Shafts								
Winzes								
Drilling: Core				4,960.00				
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing				800.00				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.					Stage 1 completed and audited.			
								5,760.00
TOTAL COSTS		4800.00	120	17,760.00				21,760.00

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

Date Sept. 4, 1955 Operator KNOWLES BROS.

Per C. C. Knowles Title Partner

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: After finishing 180 feet during months of May, June and July - were still in hard tactite which gradually became softer and better to drill as the tungsten became better in grade during the last 100 feet. The ore is of fair milling grade.

(Instructions on reverse)

(For Government use only)

Henry W. Jones

INSTRUCTIONS

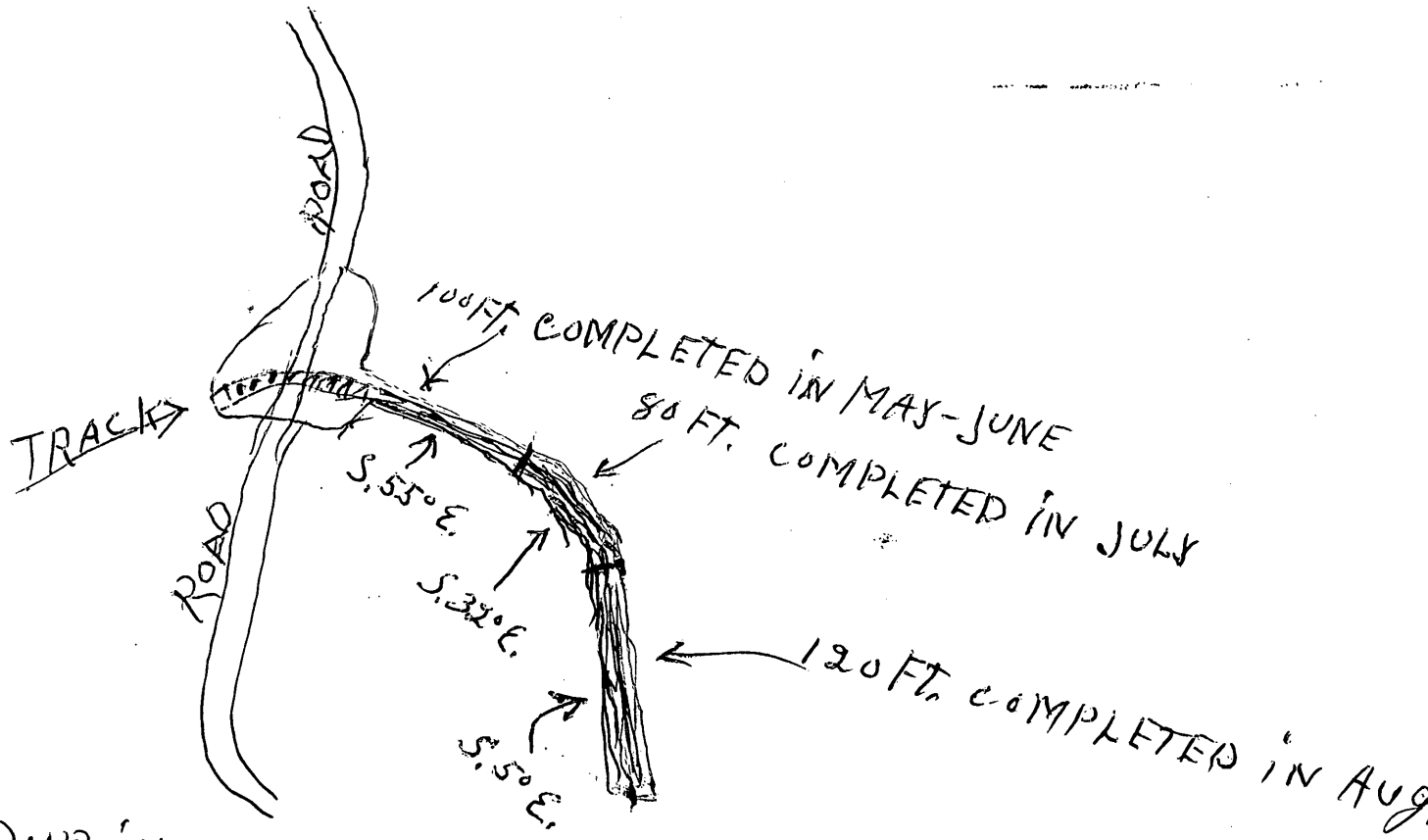
Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better 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 872894

RECEIVED
OCT 10 1955



DURING MONTH OF AUG. THE TACTITE WAS HARD CAUSING HEAVY BREAKAGE OF STEEL AND BITS AS IT DID DURING PREVIOUS MONTHS.

AT 230 FT. FROM COLLAR OF TUNNEL WE DROVE THRU 4 FT. QUARTZ VEIN - AT 248 FT. ANOTHER 7 FT. QUARTZ VEIN. AT 287 FT. WE CROSSED A SMALL VEIN OF 3" TO 12" OF FAIRLY GOOD URANIUM.

TUNGSTEN SHOWED GOOD THRU LAST 100 FT. EXCEPT IN QUARTZ VEINS WHERE THERE WAS NONE.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION II
RECEIVED

1955 OCT 5 AM 10:00

SAN FRANCISCO, CALIFORNIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

8/19/55

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA- 2820

Contract No. Idm-E 556

Commodity Tungsten

Operator Knowles Bros.

Property Garnet Tungsten Mine
Elko County, Nevada

By Henry W. Jones

Dated 8/19/55

RECEIVED
AUG 22 1955

S. Ricker
S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

INTERIM REPORT

Docket No.: DMEA-2820 (Tungsten) August 19, 1955

Name and address of operator: Abram A. Knowles
Knowles Bros. (Assignee)
Mountain City, Nevada

Name and location of property: Garnet Tungsten Mine
Garnet No. 1 and Garnet No. 2 claims
Elko County, Nevada

Contract No.: Idm-E556

WORK COMPLETED

The Garnet Tungsten mine was inspected August 3 to determine the extent of work completed since the previous visit of June 21, 1955. Work consisted of extending the adit an additional 80 feet along the S. 55° E. bearing then swinging 23 degrees to the right on a S. 32° E. bearing for an additional 36 feet. Total advance during the course of the contract has been 186 feet. Advance since the last inspection has been 116 feet. The adit is being driven in a massive tactite body that requires no timbering other than that previously reported. Dimensions are being held approximately 6 by 7 feet to allow sufficient room for mucking machine operations.

RECEIVED
AUG 2 2 1955

SAMPLING

Scattered scheelite was noted throughout the tactite body but was too disseminated to warrant sampling to the 174 foot point. Three samples were taken of a 2 foot width commercial grade scheelite streak that was encountered on the left side of the drift and followed to the face. Assay results have not yet been received but

descriptions are as follows:

Sample No.	Width, feet	Description
243	Grab	Muck sample of face round (186 feet) Good WO_3 diluted with barren tactite.
244	2.0	Chip sample taken at 174 feet, coarse garnet.
245	2.0	Chip sample across back, left wall near face (186 feet). WO_3 streak, nearly vertical dip, parallel to drift.

COMMENTS

The operators have neglected to submit payment vouchers to date, stating they were not pressed for finances and did not wish to bother the Government. The need to submit vouchers each month was stressed to them to eliminate confusion on future payments. The required MF-104 forms will be submitted in the immediate future.

Difficulty has been experienced in pulling a full round in the extremely hard and glassy tactite. Different types and strengths of powder are being tried, and various cuts experimented with. The daily progress averages 4.0 feet, using 26 holes driven to a 5-foot depth.

Henry W. Jones

Henry W. Jones
Mining Engineer

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP 12 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1955 Docket No. DMEA [illegible] Contract No.
Operator's Name [illegible] Minerals [illegible] 556
Address Box 97 Mountain City, Nev. [illegible]
Contract Amount, $ 1,200.00 Government Participation: 75 % Amount, $ [illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling					4960.00	4960.00
Bulldozing					800.00	800.00
Crosscutting	[illegible]	[illegible]	7200.00	3200.00	4000.00	7200.00
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	[illegible]	[illegible]	7200.00	3200.00	9760.00	12,960.00

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

Date Oct. 1, 1955 *Payee [illegible]

Per A. A. Knowles Title [illegible]

*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:

$ 2400 00

Lloyd H. Sjolander
Authorized Certifying Officer

Signature (Authorized Certifying Officer)

Date SEP 7 1955 Vou. No. SF-07-EA-9

(See other side)

ACCOUNTS AUG 30 1955

(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. Idm-E556 in accordance with the terms of the contract.

Signature Henry W. Jones Title Mining Engineer Date 8/29/55

Henry W. Jones

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Executive Officer DMEA Field Team

Signature S. Ricker Title Region II Date 8/29/55

S. Ricker

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
SEP 12 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 5 Docket No. DMEA 2820 Contract No. Idm. E-556

Operator's Name Knowles Bros.

Address Box 87 Mountain City, Nevada.

Minerals Tungsten

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drilling				4960.00				
Crosscutting	ft.	3200.00	86	7200.00	180	7200.00	400	40.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing				800.00				
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.					Stage I completed			
Total Costs		3200.00		12,960.00	and audited			5760.00 21,760.00

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

Date Aug. 1, 1955 Operator Knowles Bros.

Per A. A. Knowles Title Partner

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)

Remarks: Rock continues to be very hard. Ran into low grade tungsten of approximately .20 % which continued approximately 10-15 ft. ending in hard baren tactite at end of month

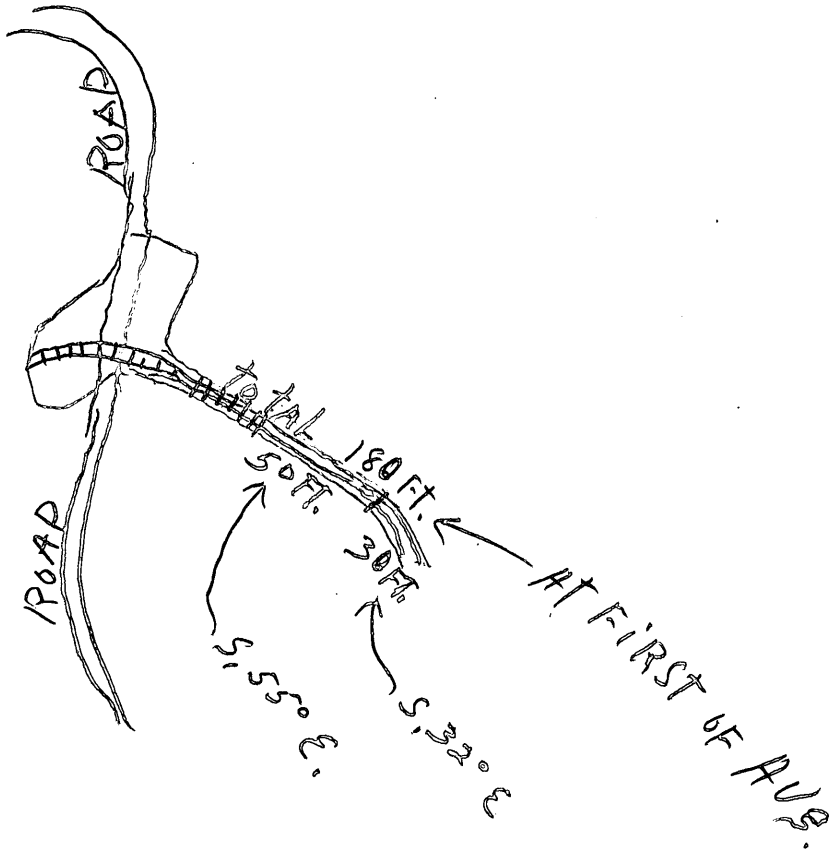
Tungsten of .20% appeared between approximately 140 and 155 ft. in tunnel

(For Government use only)

Henry W. Jones

N

RECEIVED
SEP 12 1955



CONTINUEING THE TUNNEL FROM THE FIRST 100FT. COMPLETED IN JUNE, THE TACTITE WAS EXCEPTIONALY HARD, MAKING THE BREAKAGE OF STEEL AND BITS VERY HEAVY. AT APPROXIMATELY 140FT. IN THE TUNNEL TO 150FT. LOW GRADE SCHEELITE OF ABOUT .15 to .20 SHOWED. ONLY AN OCCASSIONAL SPECK SHOWED FOR NEXT 30FT. WHICH ENDED MONTH OF JULY ROCK STILL EXCEPTIONALY HARD.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL - 7 1955

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

July 5, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA- 2820

Contract No. Idm-E 556

Commodity Tungsten

Operator Knowles Bros.

Property Garnet Tungsten, Elko Co., Nev.

By H. W. Jones

Dated 7/5/55

S. Ricker
S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

BUREAU OF MINES
WASHINGTON, D. C.

JUL 7 9 23 AM '55

INTERIM REPORT

RECEIVED
JUL - 7 1955

Docket No.: DMEA-2820 - Tungsten July 5, 1955

Name and address of operator: Abram A. Knowles, Partner
Knowles Bros. (Assignee)
Mountain City, Nevada

Name and location of property: Garnet Tungsten Mine
Garnet No. 1 & Garnet No. 2 claims
Elko County, Nevada

Contract No.: Idm-E556

WORK COMPLETED

The Garnet tungsten mine was inspected on June 21, 1955 in company with Ed Knowles, partner. The S. 55° E. adit alignment previously set was followed for 70 feet from the portal to the existing face. A total of 8 (6" x 8") timber sets were placed from the portal for the first 40 feet through an unconsolidated lime shale and decomposed granite matrix. Tactite, striking N. 80° E. and with a vertical dip, containing occasional specks of scheelite, was intersected at the 55 foot point and penetrated for the remaining 15 feet. Mineralization was too sparse to warrant sampling.

COMMENTS

Because of the broken nature of the tactite and the lack of commercial scheelite, the adit will continue on the same heading for a short distance or until better values are obtained before being swung to the right following the contact.

Henry W. Jones
Mining Engineer

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

Budget Bureau No. 42-R1036.5

RECEIVED
SEP 12 1955

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

Month of May- June, 195 5 Docket No. DMEA 2020 Contract No. 10m 3-556
Operator's Name Knowles Bros. Minerals Tungsten
Address Box 87 Mountain City, Nev.
Contract Amount, $ 21 760.00 Government Participation: 75% Amount, $ 16,300.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						4960.00
Bulldozing						800.00
Crosscutting	4000.00	0	4000.00	4000.00	-0-	4000.00
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	4000.00		4000.00	4000.00	-0-	9760.00

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

Date July, 1, 1955 yee Knowles Bros.

Per A. A. Knowles Title Partner

*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:

$ 3000 00

Lloyd H. Stolander
Authorized Certifying Officer

Signature (Authorized Certifying Officer)

Date SEP 30 1955 Vou. No. DMEA-9

(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. Idm-E556 in accordance with the terms of the contract.

Signature Henry W. Jones Title Mining Engineer Date Aug. 29, 1955

Henry W. Jones

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Executive Officer DMEA Field Team

Signature S. Ricker Title Region II Date 8/29/55

S. Ricker

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
SEP 12 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of ~~May~~ June 195 Docket No. DMEA 2820 Contract No. Iôm E- 556
Operator's Name Knowles Bros. Minerals tungsten
Address Box 87 Mountain City, Nev.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting	ft.	4000.00	100	4000.00	100	-	400	40.00
Raising								
Shafts								
Winzes								
Drilling: Core				4960.00				
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Bulldozing				800.00				
TOTAL DISTRIBUTED COSTS		~~4000.00~~		~~4000.00~~	Stage I completed and audited.			TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4000.00		~~4000.00~~ 9760.00				5760.00 21,760.00

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

Date July 1, 1955 Operator Knowles Bros.

Per A. A. Knowles Title Partner

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)

REMARKS: This tactite is very hard, causing heavy breakage of bits and steel, also required more powder to break. We are averaging about 4 ft. to 4½ ft. per shift, one shift per day 14-16 hrs. per day.

(For Government use only)

Henry W. Jones

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.

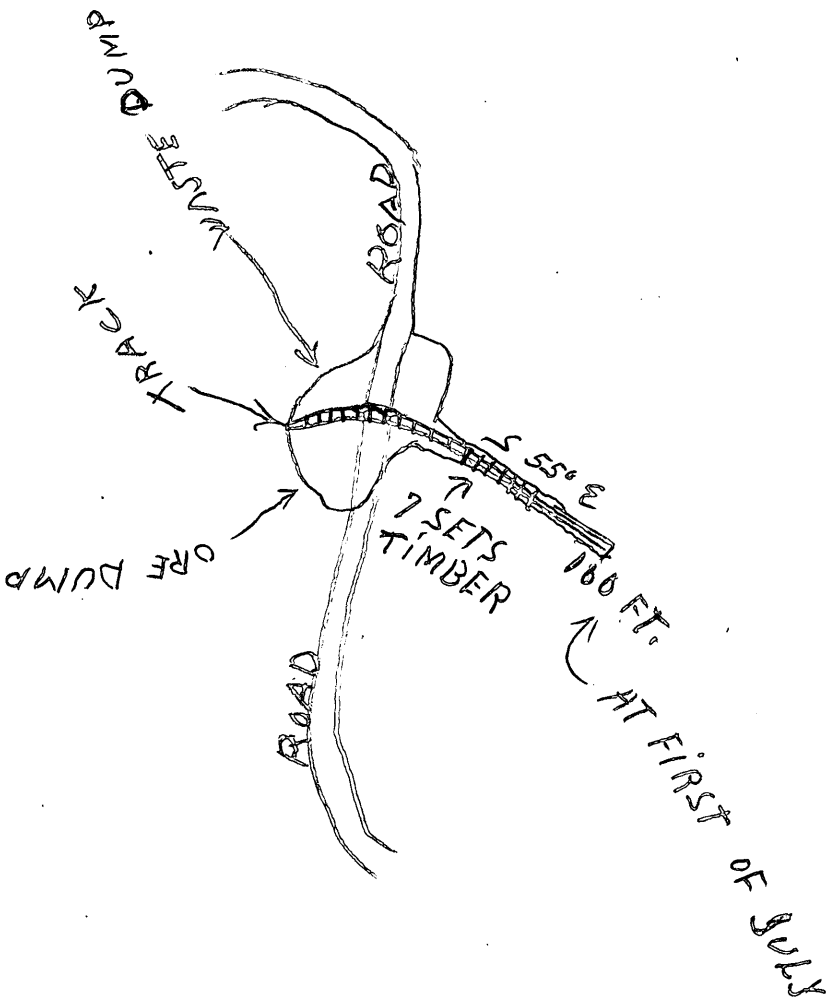
Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

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 872894

N.

RECEIVED
SEP 12 1955



THE FIRST 60 FT. OF THIS TUNNEL WAS IN LIME WITH OCCASSIONAL SIGNS OF GRANITE. AT 70 FT. THE LIME AND GRANITE CHANGED TO TACTITE - VERY HARD FINE GRAINED TACTITE WITH A LITTLE WATER SEEPING IN AT CRACKS AND SEEMS.

REGION II
SEMI-ANNUAL REPORT
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Docket No.: DMEA-2820 - (Tungsten) **Date:** June 30, 1955

Contract No.: Idm-E556 (Amended)

Operator: Knowles Bros. (Assignee)
Garnet Tungsten Mine
Mountain City, Elko County, Nevada

Date of Contract: June 25, 1953 **Completion Date:** October 1, 1955

	Total	Gov't Participation	Operator
Amount of Contract:	$21,760	$16,320	$5,440
Expenditures:	$ 5,760	$ 4,320	$1,440

Date Certified: October 27, 1954

Status: The Knowles brothers are actively engaged in continuing exploration work according to the contract.

	Tons	Grade	Gross Value	Deductions	Net Value
Production DMEA:	None	-	-	-	-

	This Period	Todate	Percent Payment
Royalty:	None	None	None

Remarks: No tungsten ore has been shipped from the property. The original contract was between the Government and Messrs. L. D. Wilson, R. E. Summers and H. A. Culp, who assigned the contract to the Sunshine Mining Co. After completing some diamond drilling, the Sunshine Mining Co. discontinued further exploration and the property reverted to the Knowles Brothers and at a later date the exploration contract was assigned to them. Due to weather and road conditions, operations were suspended during the winter months and resumed during the latter part of June, 1955.

C. R m E a

RECEIVED
JUN - 8 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date: June 6, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -
Docket DMEA 2820

Contract Idm-E 556

Commodity Tungsten

Operator - Abram A. Knowles, Parter
Knowles Bros.
Property - Garnet Tungsten, Elko County, Nevada

By H. W. Jones

Dated June 3, 1955

S. Ricker
Executive Officer,
DMEA Field Team, Region II

Attachments

Copy to: R. M. Smith--USGS (w/copy of report)
Finance Officer, Region II (w/copy of report)
File

BUREAU OF MINES
WASHINGTON, D. C.

JUN 8 7 51 AM '55

RECEIVED
JUN - 8 1955

INTERIM REPORT

Docket No.: DMEA-2820 - Tungsten June 3, 1955

Name and address of Operator: Abram A. Knowles, Partner
Knowles Bros. (Assignee)
Mountain City, Nevada

Name and location of the property: Garnet Tungsten Mine
Garnet No. 1 and Garnet No. 2 claims
Elko County, Nevada

Contract No.: Idm-E556

SUMMARY

Information was received from Mr. A. Knowles (partner) that the access roads to the mine were dry enough to permit travel. Accordingly, an inspection of the mine area was made with Glenn Gentry on May 25, 1955. A starting point was established in a bulldozed face and a surface alignment of S. 55° E. laid out. The adit is to be driven along this alignment until the tactite contact is encountered. The heading then is to be turned to an approximate S. 32° E. bearing, and drifting continued along the contact. Total adit length under DMEA participation is set at 400 feet.

Preliminary work started May 18, 1955. A cabin below the mine site was stocked with provisions, and made habitable. A portal site was bulldozed out and a truck mounted 315 c.f.m. compressor moved into position. Mine track was laid and an Eimco mucking machine installed. Work is to be handled by a 3-man crew. Starting date was set at May 26, 1955.

Henry W. Jones
H. W. Jones
Mining Engineer

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
APR 24 1955

SEMI-ANNUAL DMEA REPORT

Docket No. : DMEA-2820 (Tungsten) December 31, 1954

Contract No. : Idm-E556

Period: July 1, 1954 to December 31, 1954

Date of Contract: June 25, 1953
(L. D. Wilson, R. E. Summers, H. A. Culp)

Date of Assignment: August 25, 1953
(Sunshine Mining Company)

Date of Assignment: October 22, 1954
(Abram Knowles, George Knowles, Edward Knowles)

Name and address of operator: Mr. Abram A. Knowles, Partner
Knowles Bros.
Mountain City, Nevada

Estimated Cost of Project:	$21,760.00
Expended by Sunshine Mining Co.:	5,760.00
Balance of Contract:	$16,000.00

Date of Certification: October 27, 1954

Indicated ore reserves as of May 13, 1954: 225,000 tons of ore 0.31% WO_3

There has been no production from the property.

Work recessed until spring of 1955.

S. Ricker
Executive Officer
DMEA Field Team, Region II

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
DEC 17 1954

Office of
Executive Officer
DMEA Field Team
Region III

420 Custom House
555 Battery Street
San Francisco 11, California

Date: December 13, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -
Docket DMEA -2820

Contract Idm-E 556

Commodity Tungsten

Operator - Knowles Bros. (Assignee)

Property - Garnet Tungsten Mine
Elko County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated December 9, 1954

Executive Officer,
DMEA Field Team, Region III

Attachments

Copy to: R. M. Smith--USGS (with copy of report)
Finance Officer, Region III (with copy of report)

DEPARTMENT OF ...
Defense Minerals Adm...
RECEIVED
DEC 17 1954

INTERIM REPORT

Docket No.: DMEA-2820 (Tungsten) December 9, 1954

Name and address of operator: Abram A. Knowles, partner
Knowles Bros. (assignee)
Mountain City, Nevada

Name and location of property: Garnet Tungsten Mine
(Garnet No. 1 and Garnet No. 2 claims)
Elko County, Nev.

Contract No.: Idm-E556

SUMMARY

Under date of October 22, 1954, the exploration contract held by the Sunshine Mining Company was assigned by them to Abram A., George G., and Edward A. Knowles, all of Elko County, Nev. On Nov. 8, 1954, the Government's consent to this assignment is as follows:

"The Government, this 8th day of November, 1954, hereby consents to the above assignment without releasing the operator or the assignor from any of the terms, provisions, and conditions of the contract."

The remaining exploration to be completed under the contract amounts to:

Stage 2 - Drive 400 feet of adit @ $40.00/ft. $16,000.00

Pursuant to receipt of the above information, the writer visited Mr. Abram A. Knowles at his office in Mountain City, Nev., on Nov. 29 and 30, 1954, for the purpose of discussing all phases of the proposed

exploration, the time required for the project and to inspect any work that had been performed.

Mr. Knowles informed the examining engineer that no exploration work had been started, due to the weather and road conditions, the lateness of the season, and that no work was contemplated until April or May of 1955.

During this recess, the operators plan on overhauling and/or repairing their mining equipment and trucks in order to eliminate or reduce delays after the work is started. Severe winter storms and snow blocked roads could very easily delay the start of the project until the middle of May or perhaps later.

The first job for the operator will be the construction of a camp building to house the mining crew and will be done at the operators expense. Mr. Knowles has promised to advise the Reno, Nevada office of the DMEA prior to beginning the active exploration work in order that ground conditions at the portal of the adit may be inspected after the winter snowfall has either melted or has been removed.

STATEMENT OF WORK COMPLETED

Previously reported: None
Progress at this inspection: None

FINANCIAL REPORT

Funds approved by the contract:	$16,000.00
Expenditures:	None
Unexpended:	$16,000.00

Glenn G. Gentry
Mining Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

JUN - 1 1954

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: May 26, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA -2820

Contract Idm-E 556

Commodity Tungsten

Operator - Garnet Tungsten Mining Company

Property - Garnet Tungsten Mine, Elko County, Nevada

By Glenn Gentry and Benjamin Sheahan

Dated May 20, 1954

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

Attachment

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

~~XXXXXXXXXXXX~~, USGS (With one copy of report)
Roscoe Smith

INTERIM REPORT

Docket No.: DMEA-2820 (Tungsten) May 20, 1954

Name and address of operator: Garnet Tungsten Mining Co.
Mountain City, Nevada

Name and location of property: Garnet Tungsten Mine
Garnet No. 1 and Garnet No. 2 claims
Elko County, Nevada

Contract No.: Idm-E556

SUMMARY

The Garnet Tungsten mine was visited on May 12, 1954 and a conference held with Mr. Abram A. Knowles, one of the owners of the property, at his residence in Mountain City, Nev.

The purpose of the visit was to inspect drill cores from the lower portion of diamond drill hole No. B and to learn the intention of the owners and the original lessees relative to the DMEA exploration contract and stage 2 of that contract.

All work at the mine had been discontinued and no representatives of the lessees or the owners accompanied the inspecting engineers.

Drill cores for the last 79 feet of diamond drill hole No. B could not be found at the mine. Therefore, inspection of the material drilled could not be made.

The original lessees of the mining claims, namely, Messrs. L. D. Wilson, R. E. Summers and Harold A. Culp, by letter to Mr. Abram A. Knowles on May 7, 1954, have relinquished their lease, and the mining

property has reverted to the owners.

Mr. Abram Knowles, acting on behalf of the owner partnership, stated that he intended to request the DMEA exploration contract be transferred and/or assigned to the owners as they would endeavor to secure sufficient financing to complete the contract.

Various other mining companies and individuals have contacted the owners with a request for leasing the mine, however, no definite arrangements had been concluded. The owners asking terms and conditions as reported by Mr. Knowles, are:

No cash payment
Purchase price: $500,000.00
Royalty to apply on purchase price: 10%
18 year period to pay for the property

Sufficient mining equipment is located at the mine for immediate resumption of operations, and all roads leading to the mine are in good condition for travel and/or hauling.

A moderate amount of caving has occurred along the walls of the open cut leading to the proposed portal of the adit location of stage 2. However, one day of work with a bulldozer should be sufficient to clear this site.

Glenn G. Gentry
Mining Engineer

Benjamin H. Sheahan
Mining Engineer

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

Budget Bureau No. 42-R1036.3.
Approval expires 8-30-53.

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

Month of December 1953 Docket No. DMEA 2920 Contract No. Idm-2556
Operator's Name Sunshine Mining Company Minerals Tungsten
Address Box 1080, Kellogg, Idaho
Contract Amount, $ 5,760 Stage I Government Participation: 75 % Amount, $ 4,320.00

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	1232.15	3533.75	4765.90	432.00	4528.00	4960.00
Bulldozing	384.00	792.00	1176.00	-0-	800.00	800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	-0-	550.00	550.00	-0-		
Supervision	297.00	2880.28	3177.28	-0-		
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1913.15	7756.03	9669.18	432.00	5328.00	5760.00

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

Date 1/10/54 *Payee Sunshine Mining Co.

Per [signature] Title Mgr. Exp. Div.

*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:

$ 324.00

Signature [signature]
(Authorized Certifying Officer)

Date 1-6-1954 Vou. No. SF-DMEA-2

(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. Idm-E556 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div Date April 2, 1954

A. C. Johnson Region III

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Date April 5, 1954

H. C. Miller Region III

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-3847 6

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

APR 6 1954

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 3 Docket No. DMEA 2020 Contract No. [illegible]
Operator's Name Sunshine Mining Co. Minerals Tungsten
Address Box 1000, Kellogg, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	1420.15	109	4960.00	679	11.03	630	8.00
Churn								
Auger								
Stripping	Hour	400.00	49	800.00	147	15.15	64	12.50
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1910.19		$5760.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Less disallowance		1481.15						
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		428.00		$5760.00				

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

Date 1/10/54 Operator Sunshine Mining Co.

Per [signature] Title Mgr. Appl. Min.

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)

$5760.00

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

SUNSHINE MINING COMPANY

Re: Docket No. DMEA-2820(Tungsten)
Garnet Tungsten
Garnet No. 1 and No. 2 Claims
Elko County, Nevada
Contract Idm-E556
Amendment No. 1
Tungsten

Narrative Report of Operations
December, 1953

Diamond drill hole B was drilled 109 feet during the month and bottomed at 149 feet. Some tactite of no commercial value was disclosed. Lamping showed insufficient values to warrant assaying.

Bulldozing for a portal site, a compressor site, housing site, a dam site, and a ditch for water pipe line entailed 48 hours.

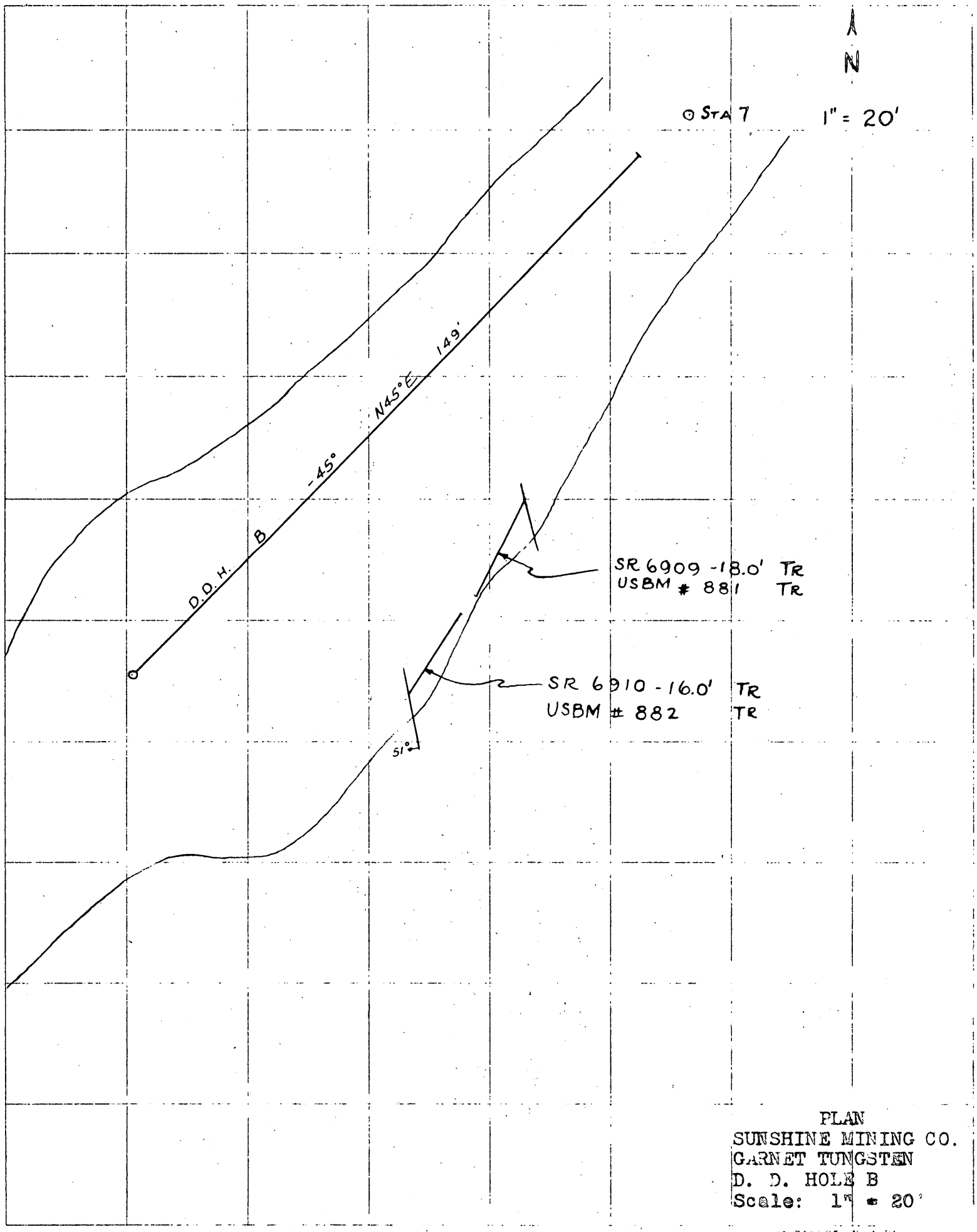
Attached are:

1 - 20 Scale plan showing DD Hole B
2 - Log of DDH B
3 - 100 Scale Plan of bulldozer work

SUNSHINE MINING COMPANY

W. Church Holmes

W. Church Holmes
Mgr. Exploration Division



PLAN
SUNSHINE MINING CO.
GARNET TUNGSTEN
D. D. HOLE B
Scale: 1" = 20'

SUNSHINE MINING COMPANY

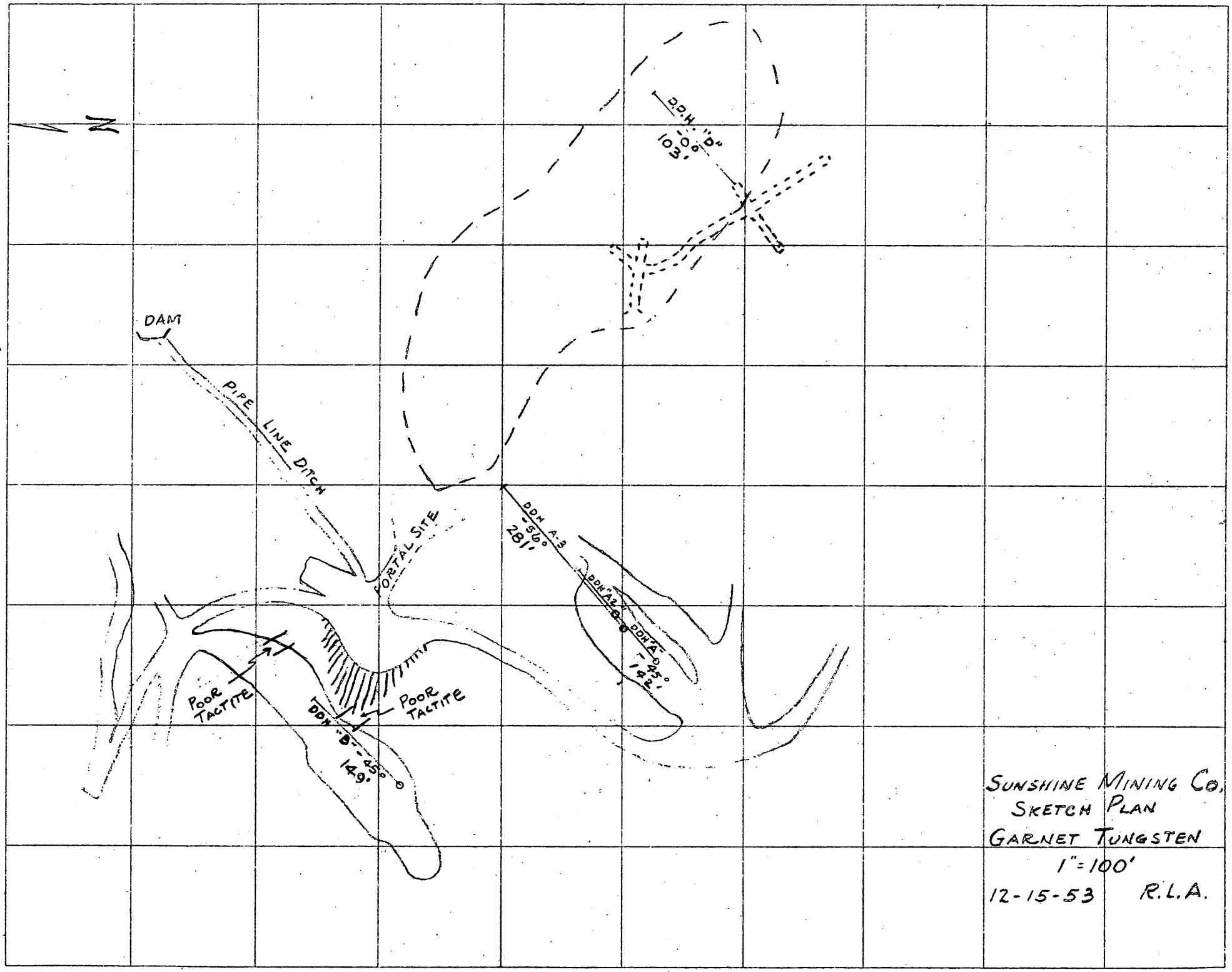
Report of Operations
December, 1953

Re: Docket No. DMEA-2820(Tungsten)
Garnet Tungsten Mining Co.
Garnet No. 1 and 2 Claims
Elko County, Nevada
Contract Idm-E556
Amendment No. 1
Tungsten

Log Diamond Drill Hole B, N45°E, dip 45°

0.0' - 38.0'	Overburden
38.0' - 48.0'	Poor tactite, 8' recovery
48.0' - 70.0'	Sludge showed apparent decomposed shale and some mud seams. Rods often dropped 2" - 8" showing cavities. No core.
70.0' - 132.0'	Ditto above plus 9' recovery of lime shale.
132.0' - 140.0'	Poor tactite, 5' recovery
140.0' - 148.8'	Purple shale
148.8' - 149.0'	Fine grained granitic rock, probably aplite

The tactite contained so few crystals of scheelite that the core was not assayed.



"ALBANENE" NO. 1066M K&E CO., N.Y.
REG. U.S. PAT. OFF.

JAN 11 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: January 7, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA-2820

Contract Idm-E 556

Commodity Tungsten

Operator - Garnet Tungsten Mining Co.

Property - Garnet Tungsten Mine, Elko, Nevada

By Glenn G. Gentry

Dated December 22, 1953

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

Attachment

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

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

0

INTERIM REPORT

Docket No.: DMEA-2820 (Tungsten) Dec. 22, 1953

Name and address of operator: Garnet Tungsten Mining Co., Mountain City, Nev.

Name and location of property: Garnet Tungsten Mine Elko, Nevada

Contract No.: Idm-E556

SUMMARY

The Garnet Tungsten mine was visited on Dec. 3, 1953 for the purpose of inspecting drill cores from drill holes "A" and "D" and for the purpose of determining the alignment of the 400-foot adit allowed under stage II of the contract. During the inspection, the examining engineer was accompanied by Messrs R. M. Smith, geologist of the U. S. Geological Survey and R. L. Anderson, chief engineer, Sunshine Mining Co.

Prior to the inspection, Mr. R. L. Anderson had split the mineralized sections of the drill cores recovered in diamond drill holes "A" and "D". The field team examined all of the drill core by mineralight and in various sections showing scheelite mineralization, one half of the split core was taken for sample and analysis.

The "B" drill hole was approximately 50% complete with no scheelite mineralization observed.

The field team consider that sufficient scheelite mineralization has been found in diamond drill holes "A" and "D" to justify approval by Government of stage II of the exploration contract, and recommend that this approval be granted.

The applicant at his expense has excavated a bulldozer cut for the portal of the proposed 400-foot adit which is expected to follow the projected ore zone and will explore the tactite zone at approximately 120 feet below the present upper adit. The tentative alignment of the 400-foot adit as proposed by the operator, appears to be reasonable and would serve to explore the greatest length of the tactite ore zone.

This alignment has been proposed by Mr. R. L. Anderson, representing the operators and subject to the approval of Mr. W. Church Holmes, director of exploration, Sunshine Mining Co. However, pending information from the completion of drill hole "B", the decision for the final alignment of the proposed adit, will be withheld.

The field team recommend the site of the proposed adit portal and the alignment of the adit as at present proposed by the operator. Should scheelite mineralization be discovered in drill hole "B", the operators may be enabled to start the proposed adit at a somewhat lower elevation, though this appears doubtful due to the character of the material encountered by the first 70 feet of the drill hole.

Detailed maps showing the alignment of the proposed adit have been prepared by R. M. Smith of the USGS and will accompany his report.

CONCLUSIONS

The applicant should complete drill hole "B" sometime prior to Dec. 15 and should then be in readiness to erect the necessary buildings to house men and equipment.

Part of the mining equipment for use in driving the adit is on hand and additional machinery is available. Snow conditions, cold weather and bad roads will probably slow down operations until better housing can be provided and until the adit has been advanced a sufficient distance to be under cover.

STATEMENT OF WORK COMPLETED

Diamond drill hole "A":

Total depth	281 feet (completed)

Diamond drill hole "B":

Depth on Dec. 3, 1953	70 feet

Diamond drill hole "D":

Total depth	103 feet (completed)
	454 feet (87.32%)
Drilling allowed by contract	520 feet
Drilling not completed	66 feet (12.68%)

SAMPLING

Diamond drill hole "D":

Sample	Depth/feet	%, WO_3
BM-1006	10 to 12	0.29
BM-1007	13 to 16.3	0.13
BM-1008	19.7 to 23.2	0.28
BM-1009	38.5 to 42.2	0.17
BM-1010	52.1 to 55.0	0.62

Diamond drill hole "D" (Cont'd.)

Sample	Depth/feet	%, WO_3
BM-1011	60.9 to 62.7	0.22
BM-1012	68.3 to 69.7	0.41
BM-1022	79.5 to 81.0	*0.01

Diamond drill hole "A":

BM-1013	186 to 191	0.35
BM-1014	191 to 194	0.37
BM-1015	194 to 197	0.01
BM-1016	197 to 211.3	0.33
BM-1017	211.3 to 212.8	*0.01
BM-1018	212.8 to 213.5	0.44
BM-1019	213.5 to 216.0	0.01
BM-1020	216 to 218	*0.01
BM-1021	218 to 219.2	*0.01

* less than.

FINANCIAL REPORT

Estimated cost of project:

Agreed unit costs - Stage I:

Drift 40 feet @ $40.00/ft	$1,600.00
Diamond drill 520 feet @ $8.00/ft.	4,160.00
	$5,760.00

Project cost to date:

Diamond drilling 454 feet @ $8.00/ft.	$3,632.00
Unexpended	$2,128.00

The 27 feet advance claimed for drill hole "A", for the month of August 1953, is to be deducted from future paid footage of this drill hole.

Inasmuch as the Sunshine Mining Co. have not completed execution of the Assignment of Lease, no claims for reimbursement have been made for the months of September, October and November 1953.

Due to the changing of the location of drill hole "A" from the original site to the final site, it is suggested that the August MF-104

form in the amount of $216.00 be withdrawn by the operator as it does not apply to the drill hole as completed. After completion of the assignment of lease, the operator could then claim reimbursement for the total drilling on one MF-104 form.

Period of contract:

Contract dated: June 25, 1953
Completion: Within 8 months from date of contract
Date of completion: Feb. 25, 1954
Time expended, to date: 6 months
Time remaining: 2 months

It is evident that the operators will require an extension of time to complete the contract and it is suggested that an additional six months period be allowed, upon the operators request for same.

Glenn G. Gentry
Mining Engineer

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires [illegible]-53.

ACCOUNTS APR 6 195[illegible]

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November 195 3 Docket No. DMEA 2220 Contract No. Idm-556
Operator's Name Sunshine Mining Co. Minerals Tungsten
Address Box 1000, Kellogg, Idaho
Contract Amount, $ 9,700-Stage I Government Participation: 75% Amount, $ 4,[illegible].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	2262.00	1271.75	3533.75	3240.00	1288.00	4528.00
Bulldozing	256.00	936.00	792.00	-0-	800.00	800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:	-0-	990.00	990.00	-0-		
Labor	970.36	1900.92	2870.28	-0-		
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3488.36	4267.67	7756.03	3240.00	2088.00	5328.00

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

Date 2/19/53 *Payee Sunshine Mining Co.

Per [signature] Title Mgr. Engl. Div.

*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:

$ 2430.00

Signature [illegible] (Authorized Certifying Officer)

Date JUL 20 1954 Vou. No. 2F-DMEA-2

(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. Idm-E556 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Region III Date April 2, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature R. C. Miller Title Executive Officer DMEA Field Team Region III Date April 5, 1954

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.
Approval expires 6-30-

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 195 3 Docket No. DMEA 2020 Contract No. Ida-8856
Operator's Name Sunshine Mining Co. Minerals Tungsten
Address Box 1000, Kellogg, Ida.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	2900.90	405	[illegible]	566	10.62	620	0.00
Churn				4528.00				
Auger								
Stripping								
Trenching	Hour	579.46	32	[illegible]	99	17.62	64	12.50
Test Pits				800.00				
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3480.36		[illegible]				TOTAL COSTS AUTHORIZED BY CONTRACT
Less disallowance		248.36		5328.00				
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		[illegible] 3240.00		[illegible] 5328.00				

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

Date 12/15/53 Operator Sunshine Mining Co.

Per [signature] Title Mgr. Expl. Div.

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)

42R115L.1
53.

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

SUNSHINE MINING COMPANY

Re: Docket No. DMBA-2820(Tungsten)
Garnet Tungsten
Garnet No. 1 and No. 2 Claims
Elko County, Nevada
Contract Idm-E556
Amendment No. 1
Tungsten

Narrative Report of Operations
November, 1953

Diamond drill hole A-3 drilled 262 feet to a depth of 281. The main tactite body was penetrated from 186 feet to 226 feet, the remainder of the hole to the bottom being granodiorite. See accompanying log.

Underground diamond drill hole D was started and completed during the month, bottomed at 103 feet. The last 100 feet was in tactite but did not appear to contain enough values to warrant assaying of Sunshine's half of the split core. Bureau of Mines assays are shown on the accompanying log.

Diamond drill hole B was started at the location designated by the Bureau of Mines and was drilled 40 feet during the month. The first 38 feet was overburden; the bottom two feet, poor tactite.

A bulldozer was hired to do additional stripping of overburden from the tactite body in the vicinity of the collar of diamond drill hole B, diamond drill hole #5, and an indicated portal site.

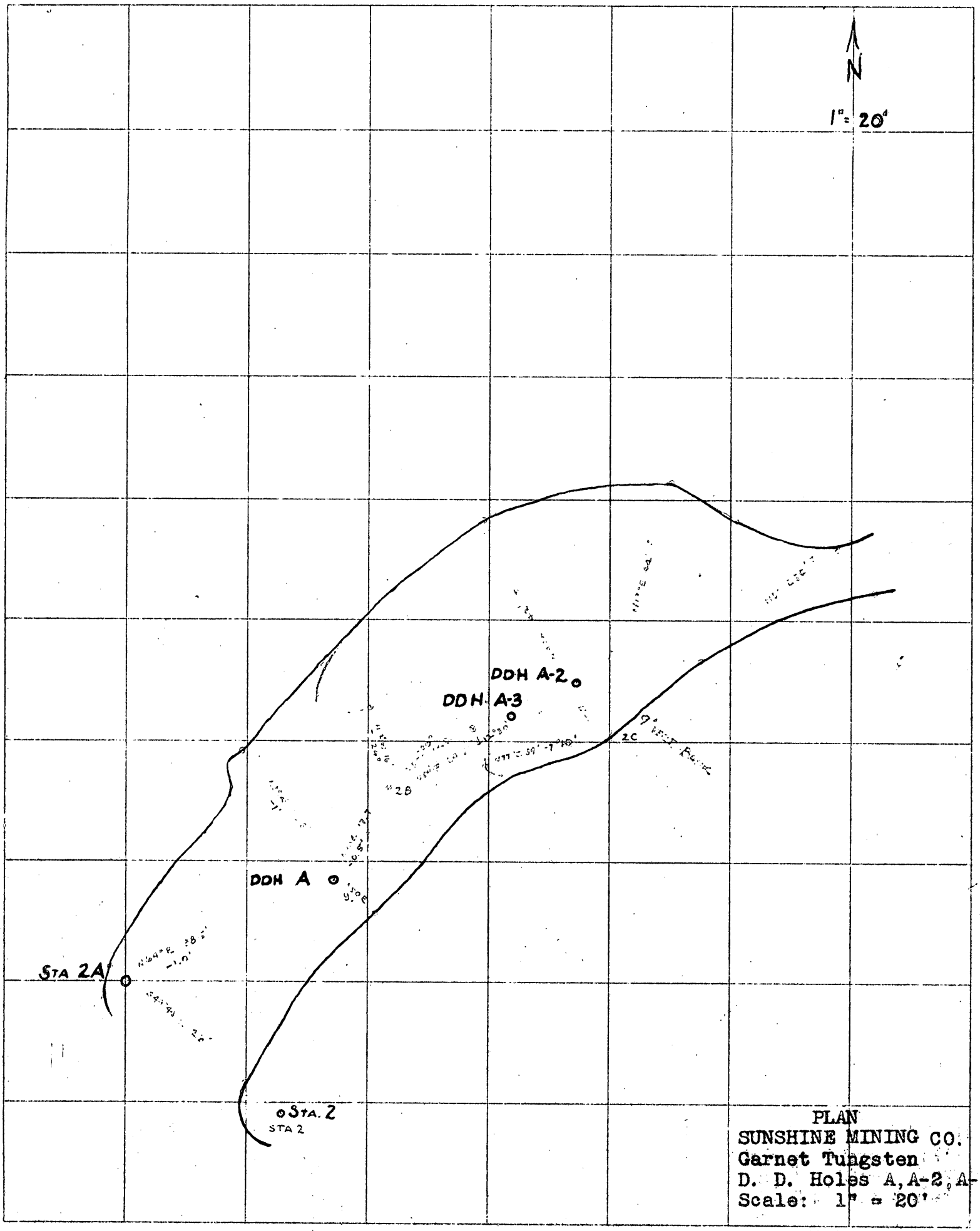
Attached are:

1 - 20 Scale Plan of Diamond Drill Holes A, A-2, A-3
2 - 20 Scale assay plan of DDH D
3 - 40 Scale Plan and Section of Diamond Drill Hole A-3 completed
4 - Log and assay results of Hole A-3
5 - Log and assay results of Hole D

SUNSHINE MINING COMPANY

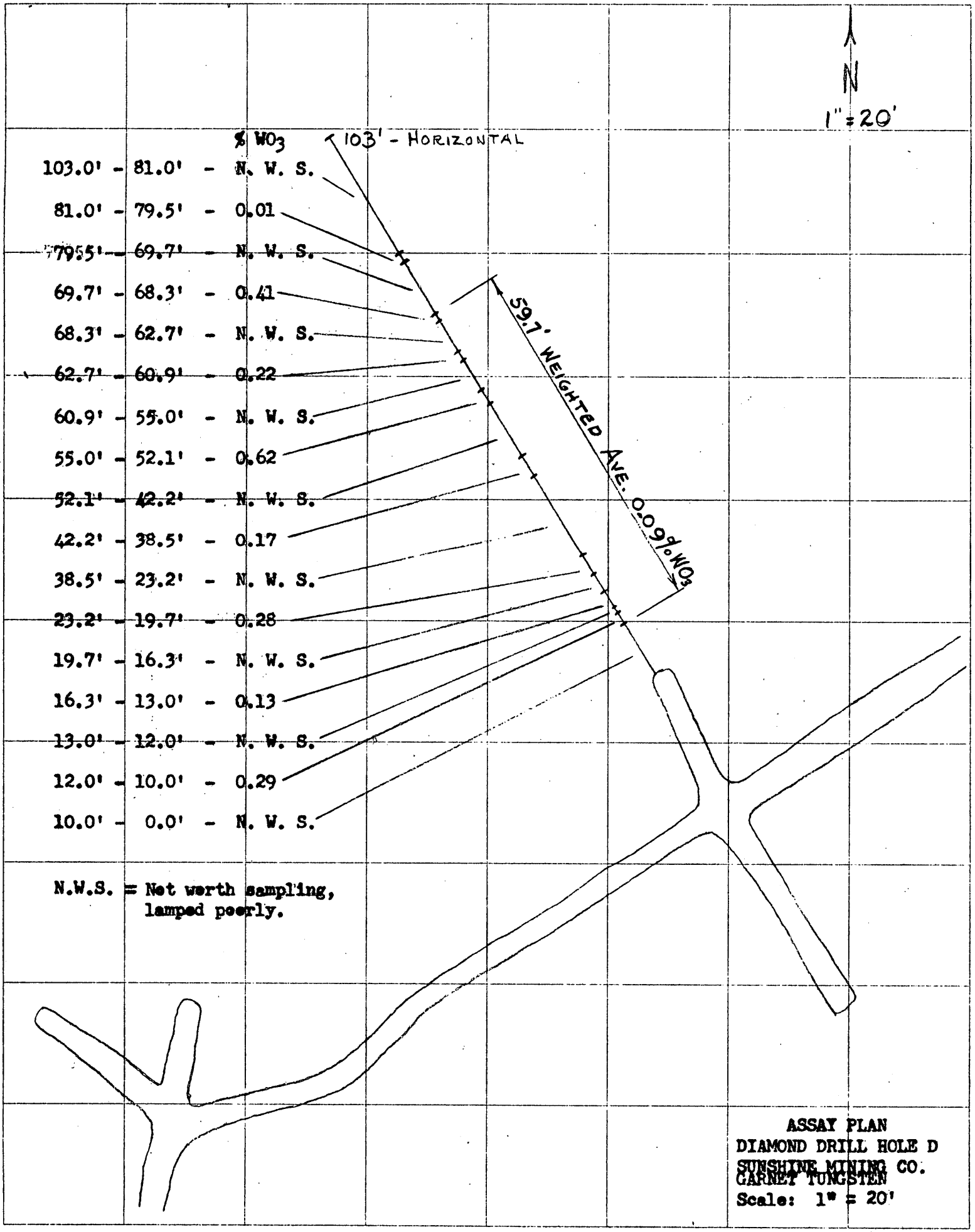
W Church Holmes

W. Church Holmes
Mgr. Exploration Division

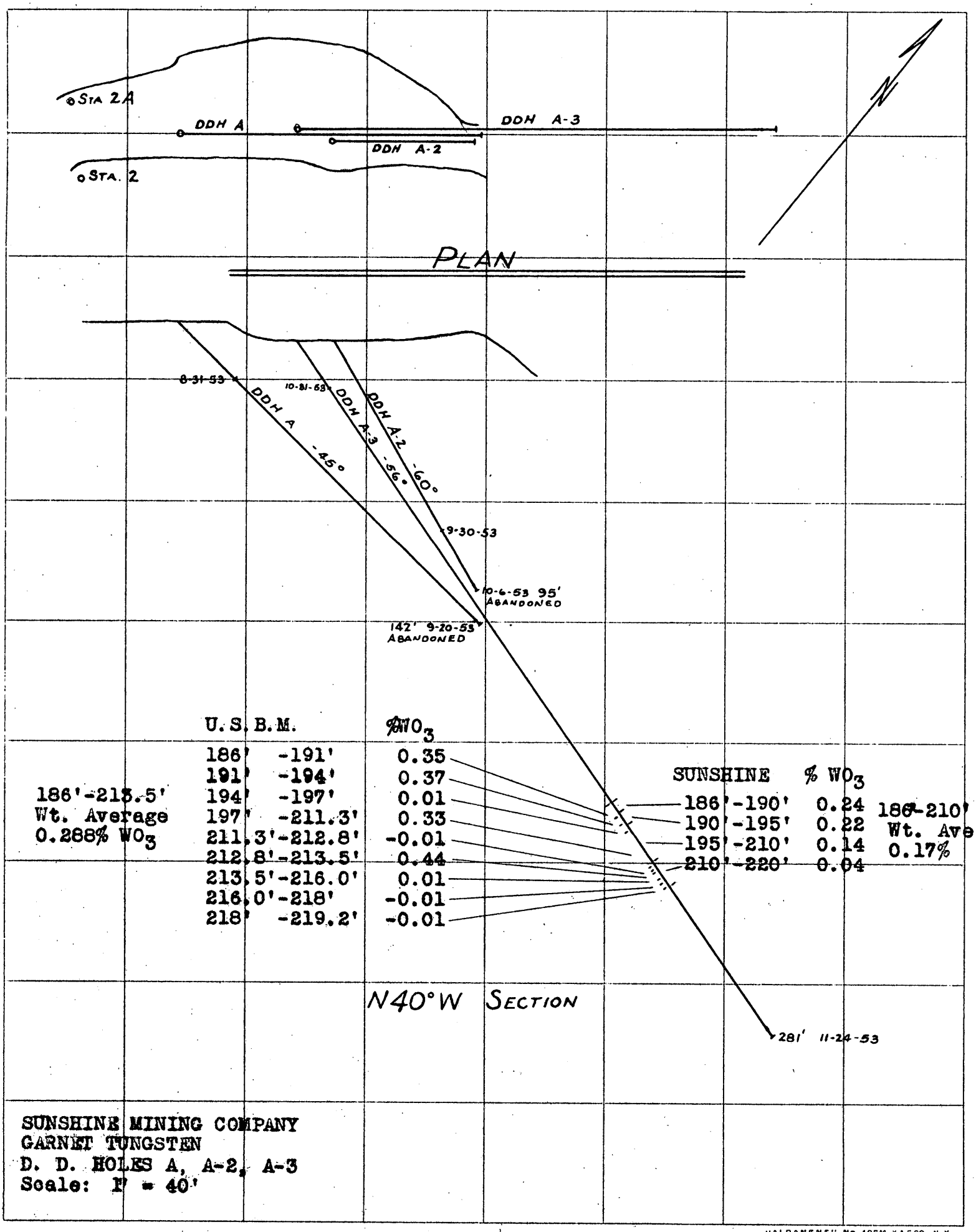


PLAN
SUNSHINE MINING CO.
Garnet Tungsten
D. D. Holes A, A-2, A-3
Scale: 1" = 20'

"ALBANENE" No. 105M K&E CO., N.Y.
DEG. U.S. PAT. OFF



"ALBANENE" No. 196M K&E CO., N.Y.
REG. U.S. PAT. OFF.



SUNSHINE MINING COMPANY
GARNET TUNGSTEN
D. D. HOLES A, A-2, A-3
Scale: 1" = 40'

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

SUNSHINE MINING COMPANY

Report of Operations
November, 1953

Re: Docket No. DMEA-2820(Tungsten)
Garnet Tungsten Mining Co.
Garnet No. 1 & 2 Claims
Elko County, Nevada
Contract Idm-E556
Amendment No. 1
Tungsten

Log Diamond Drill Hole A-3, N50°E, dip 56°

0' - 88'	Overburden
88' - 89'	Poor Tactite
89' 90.5'	Thin bedded shale
90.5' - 147.0'	Aplite to granodiorite
147' - 151'	Decomposed bedded shale
151' - 153'	Granodiorite
153' - 156'	Shale
156' - 160.2'	Granodiorite
160.2' - 169.4	Purple shale
169.4'-182.5'	Garnetized lime-shale (poor tactite)
182.5' - 186.0'	Lime shale (High kaolin?) Decomposed to sand
186.0' - 191.0'	Tactite
191.0' - 194.0'	High kaolin, Sand
194.0' - 195.0'	Ditto, less decomposed
195.0' - 197.0'	Tactite
197.0' - 199.0'	Decomposed, green
199.0' - #203'	Red sludge, no recovery
203.0' - 220.0'	Tactite
220.0' - 226.0'	Poor tactite, occasional scheelite xal
226.0' - 281.0'	Granodiorite with muscovite, biotite, pyrite in minor quantities, occasional xals of scheelite

U. S. Bureau of Mines Assays:

	$\%WO_3$
186'- 191'	0.35
191'- 194'	0.37
194'- 197'	0.01
197' - 211.3'	0.33
211.3'-212.8'	-0.01
212.8'-213.5'	0.44
213.5'-216'	0.01
216'-218'	-0.01
218'-219.2'	-0.01
186' - 213.5'	0.288 Wt. Av.

Sunshine Assays

	$\%WO_3$
186' - 190'	0.24
190' - 195'	0.22
195' - 210'	0.14
210' - 220'	0.04
186' - 210'	0.17 Wt. Av.

SUNSHINE MINING COMPANY

Report of Operations
November, 1953

Re: Docket No. DMEA-2820(Tungsten)
Garnet Tungsten Mining Co.
Garnet No. 1 and 2 Claims
Elko County, Nevada
Contract Idm-E556
Amendment No. 1
Tungsten

Log Diamond Drill Hole D--Underground--N57°E. Horizontal

0.0' - 3.0'	Granodiorite
3.0' - 3.7'	Tactite
3.7' - 7.0'	Granodiorite
7.0' - 56.0'	Tactite
56.0' - 58.0'	White Quartz
58.0' - 103.0'	Tactite--bottom of hole

U.S. Bureau of Mines Sample Lengths and Assays--Hole D

	$\%WO_3$
0.0' - 10.0'	Not worth sampling, Lamped poorly
10.0' - 12.0'	0.29
12.0' - 13.0'	N.W.S.
13.0' - 16.3'	0.13
16.3' - 19.7'	N.W.S.
19.7' - 23.2'	0.28
23.2' - 38.5'	N.W.S.
38.5' - 42.2'	0.17
42.2' - 52.1'	N.W.S.
52.1' - 55.0'	0.62
55.0' - 60.9'	N.W.S.
60.9' - 62.7'	0.22
62.7' - 68.3'	N.W.S.
68.3' - 69.7'	0.41
69.7' - 79.5'	N.W.S.
79.5' - 81.0'	-0.01
81.0' - 103.0'	N.W.S.
10.0' - 69.7'	0.09% WO_3 Weighted Assay over 59.7' Horiz. Equivalent to 48.0' perpendicular to 55° Dip

Form MF-10[illegible] (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 5-30-53.

Received
ACCOUNTS APR 6 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1953 Docket No. DMEA 2020 Contract No. [illegible]
Operator's Name Sunshine Mining Co. Minerals Tungsten
Address Box 1200, Kellogg, Idaho
Contract Amount, $ 9,760-Stage I Government Participation: 75% Amount, $ 4,320.00

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) [illegible] Short Form Contracts:						
Drilling	291.75	980.00	1271.75	152.00	1136.00	1288.00
Bulldozing	200.00	336.00	536.00	400.00	400.00	800.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	-0-	590.00	590.00			
Supervision	716.29	1192.57	1908.52	-0-		
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1208.16	2979.57	4287.67	552.00	1536.00	2088.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 11/10/53 *Payee Sunshine Mining Co.
Per [signature] Title Mgr. Expl. Div.

*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:

$ 414.00

Lloyd H. Sjolander
Authorized Certifying Officer
Signature (Authorized Certifying Officer)
Date JUL 20 1954 Vou. No. SF-DMEA-2

(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. Idm-E556 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Date April 2, 1954

A. C. Johnson Region III

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Date April 5, 1954

H. C. Miller Region III

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

APR 6 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1953 Docket No. DMEA 2020 Contract No. Idm-556
Operator's Name Sunshine Mining Co. Minerals Tungsten
Address Box 1000, Kellogg, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	760.31	19	1288.00	161	10.27	620	8.00
Churn								
Auger								
Stripping								
Trenching	Hour	910.79	35	800.00	67	17.38	64	12.50
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1288.10		2088.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Less disallowance		736.10						
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$552.00		2088.00				

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

Date 11/18/53 Operator Sunshine Mining Co.

Per W. Bruce Helms Title Dir. Expl. Div.

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

SUNSHINE MINING COMPANY

Re: Docket No. DMEA-2820(Tungsten)
Garnet Tungsten
Garnet No. 1 and No. 2 Claims
Elko County, Nevada
Contract Idm-E556
Amendment No. 1
Tungsten

Narrative Report of Operations
October, 1953

Diamond drill hole A-2 was drilled to a depth of 95 feet where the water disappeared and the string of drill tools was lost. The hole was abandoned. Only thin-bedded shale was encountered. Footage and costs of hole A-2 are not included in forms MF-104 and MF-104A.

A new collar location was selected and Hole A-3 was drilled 19 feet during the month, see 40-scale plan and section.

Three additional cuts were made with the bulldozer: Cut #6 exposed 7 feet of tactite, Cut #7 struck too much water to allow reaching bedrock, Cut #10 exposed two disconnected tactite bodies which may be continuous at depth.

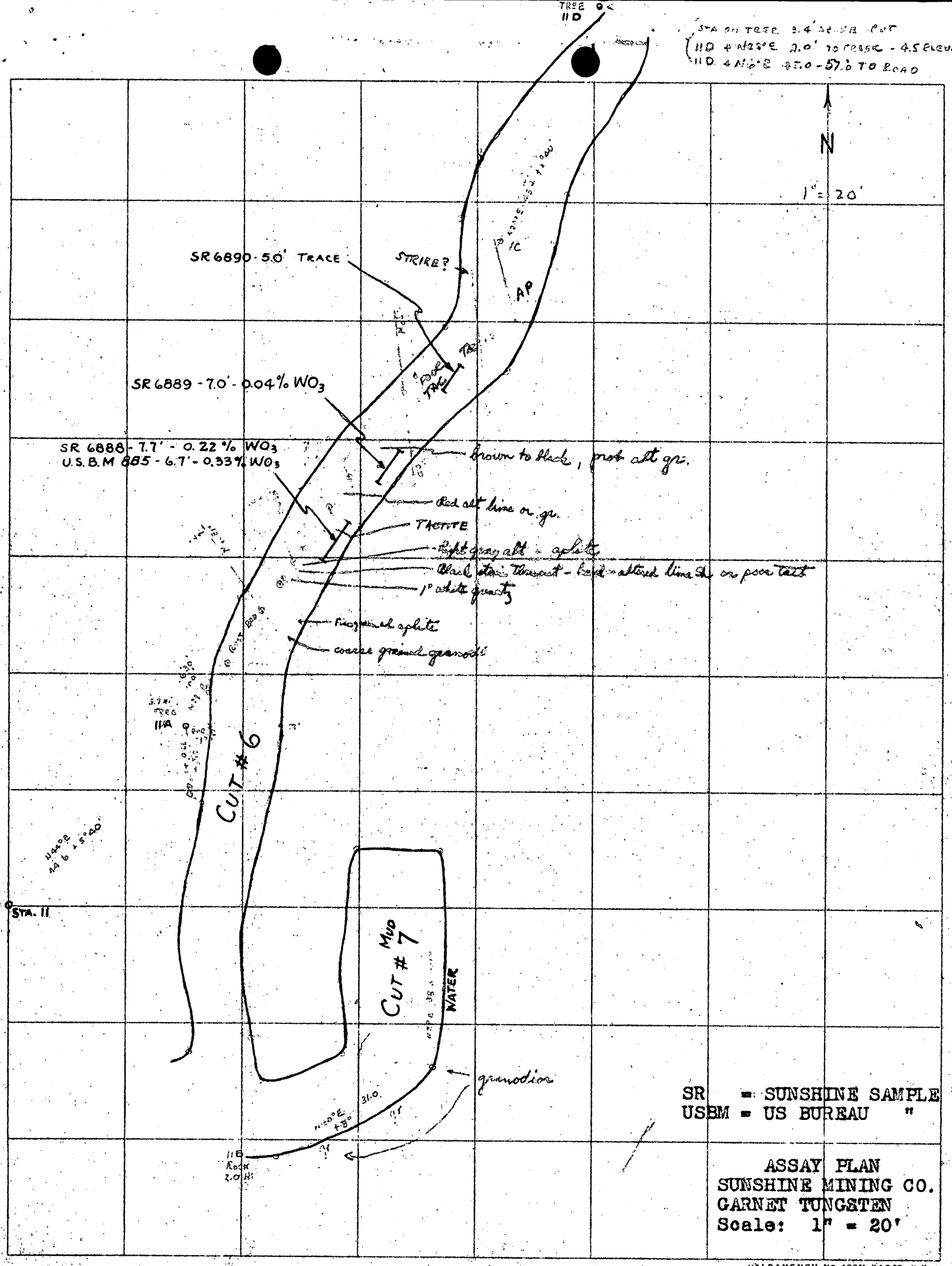
Attached are:

1 - 20 Scale Plan of Cuts 6, 7
2 - 20 Scale Plan of Cut 10
3 - 20 Scale assay plan of Cut 9 and adjoining outcrop
4 - 100 Scale Plan showing location of cuts
5 - 40 Scale Plan and Section of Diamond Drill Holes A, A-2, A-3

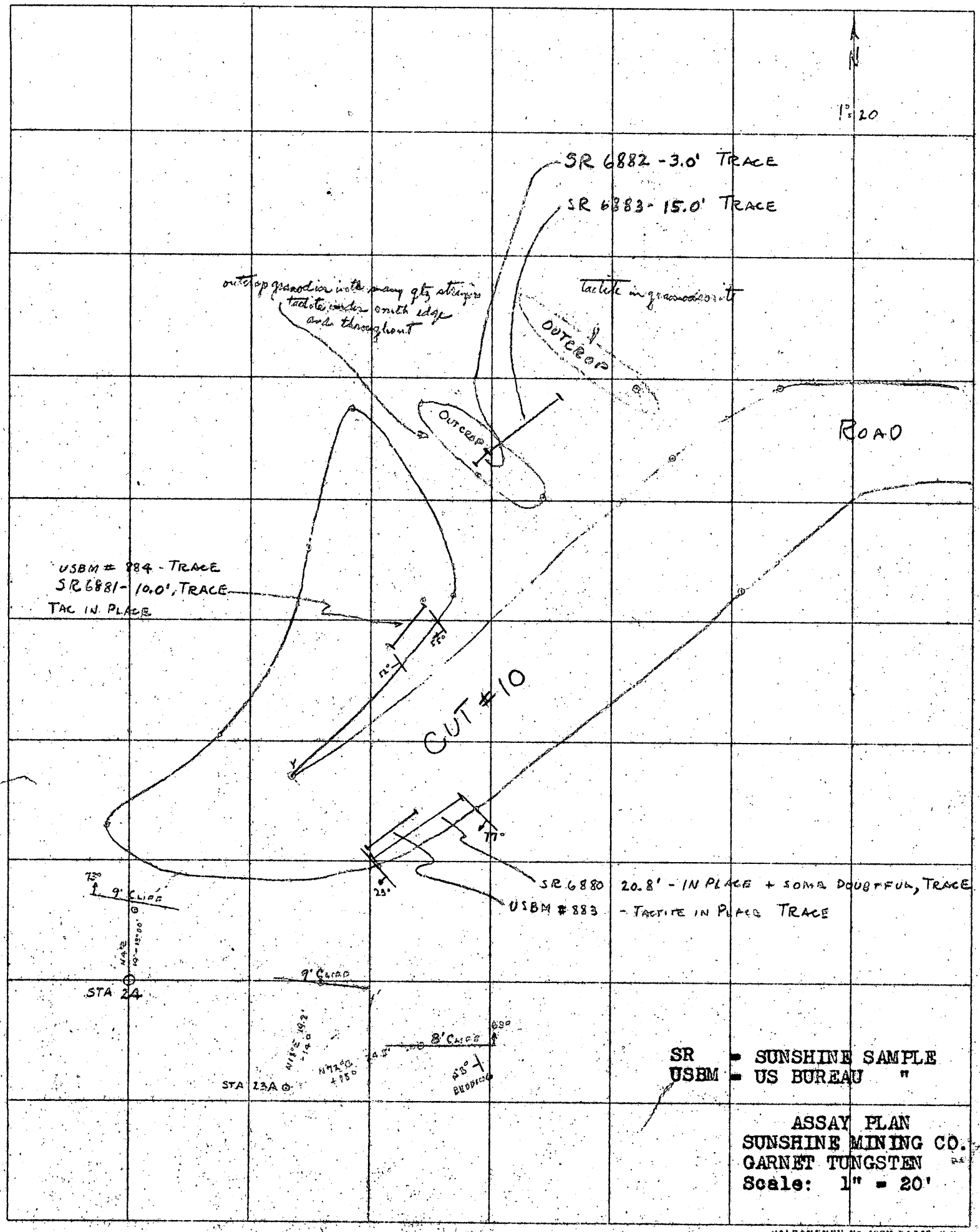
SUNSHINE MINING COMPANY

W. Church Holmes

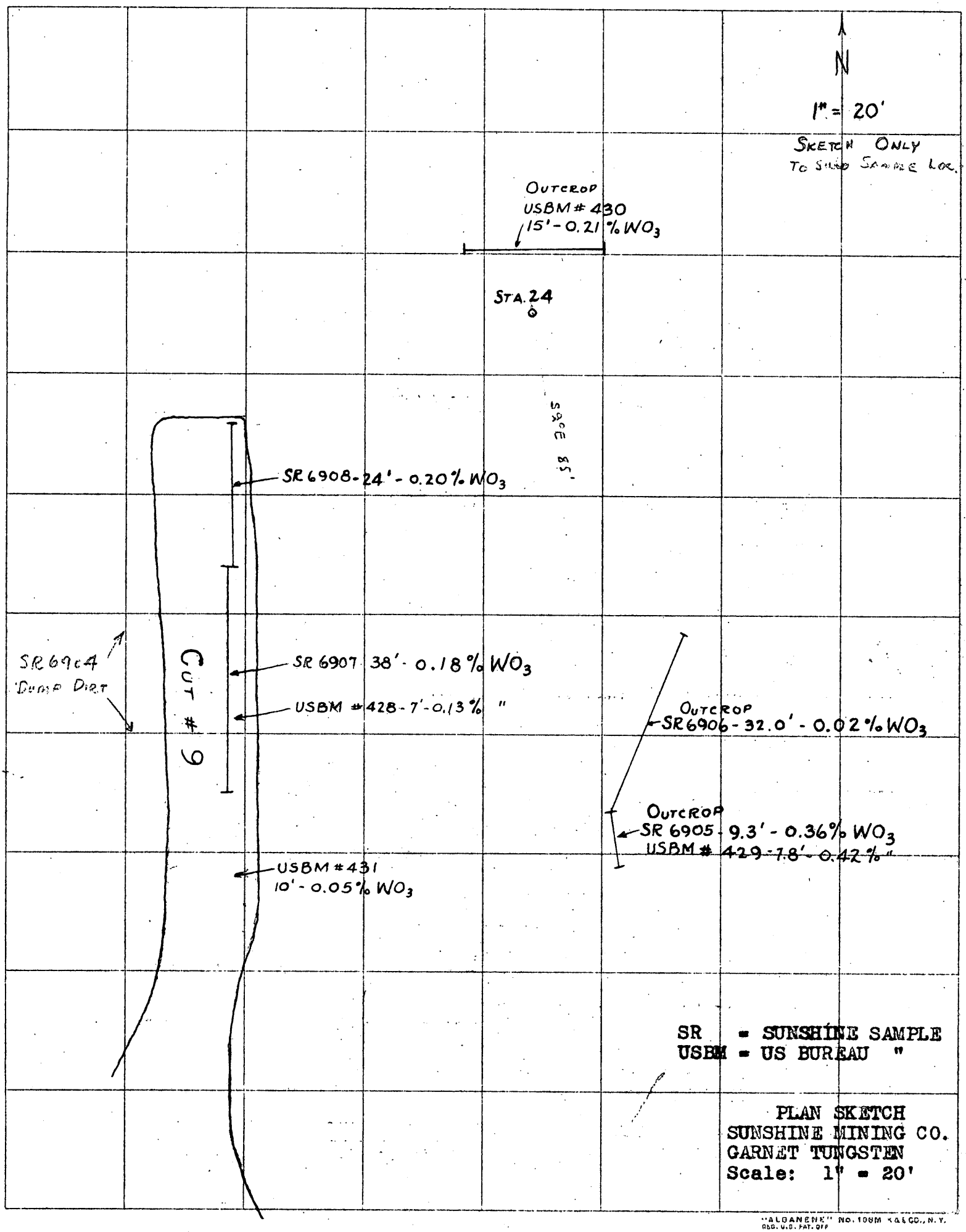
W. Church Holmes
Mgr. Exploration Division



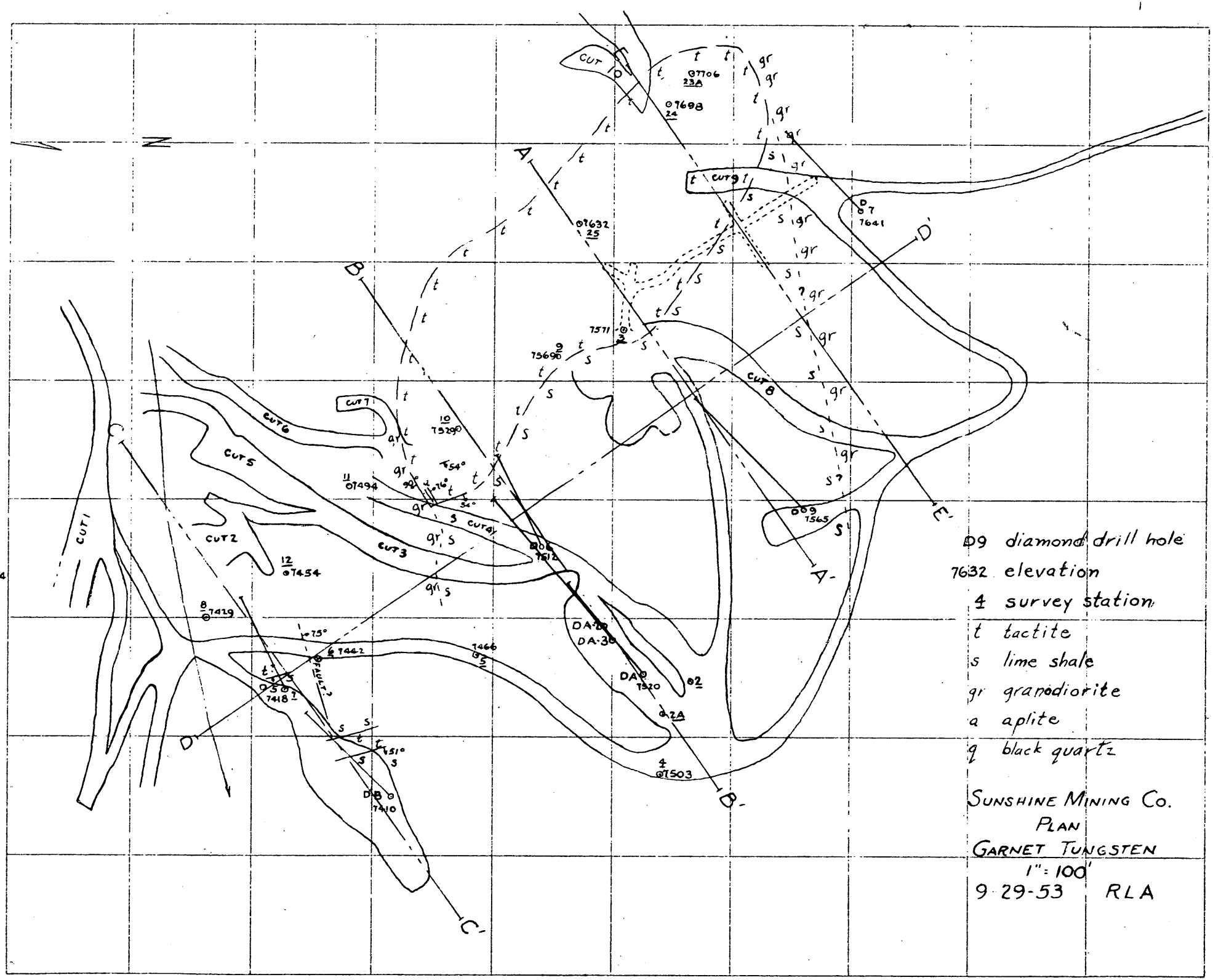
"ALBANENE" NO. 190M K&E CO., N.Y.
REG. U.S. PAT. OFF

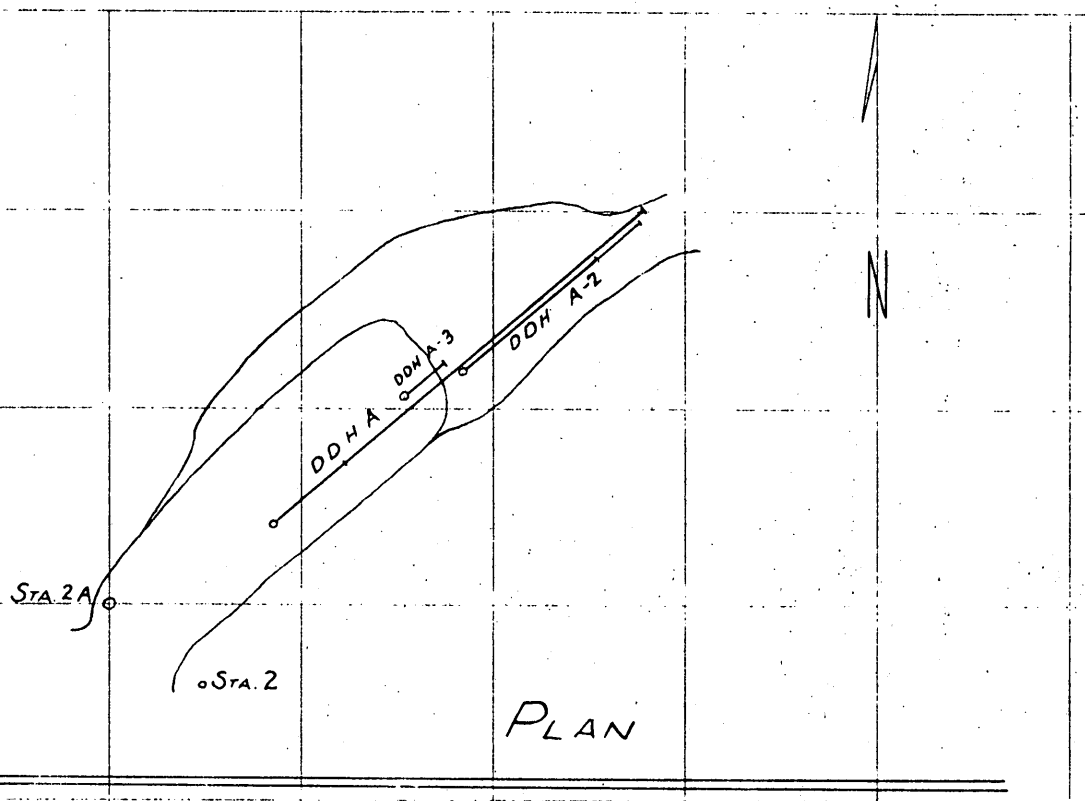


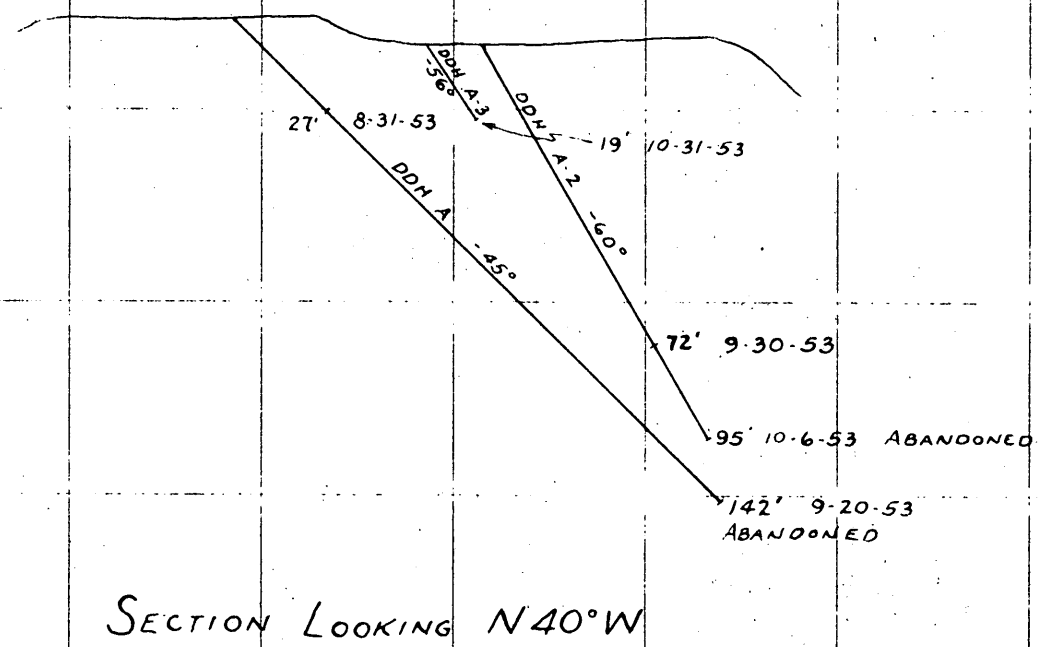
"ALBANENE" No. 180M R&ECO., N.Y.
REG. U.S. PAT. OFF.



"ALBANENE" NO. 100M K&E CO., N.Y.
REG. U.S. PAT. OFF


N
CUT 1
CUT 2
CUT 3
CUT 4
CUT 5
CUT 6
CUT 7
CUT 8
CUT 9
CUT 10
A
A'
B
B'
C
C'
D
D'
E
E'
07706
23A
07698
24
07632
25
7641
7571
7569
7529
7494
7454
7429
7442
7466
7418
7410
7503
7520
7512
7565
DA-38
DA-36
DA
02
02A
FAULT?
DB
DD
DE
DF
DG
DH
DS
26
7494
DD diamond drill hole
7632 elevation
4 survey station
t tactite
s lime shale
gr granodiorite
a aplite
q black quartz
SUNSHINE MINING CO.
PLAN
GARNET TUNGSTEN
1" = 100'
9-29-53 RLA





SUNSHINE MINING COMPANY
GARNET TUNGSTEN
D. D. HOLES A & A-2 & A-3
Scale: 1" = 40'

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 5 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: November 5, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA -2820

Contract Idm-E 556

Commodity Tungsten

Operator - Garnet Tungsten Mining Company

Property - Garnet Tungsten Mine, Elko County, Nevada

By Glenn G. Gentry

Dated October 27, 1953

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

Attachment

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

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

DEPARTMENT OF THE INTERIOR
Bureau of Mines Information
RECEIVED
NOV 2 1953

INTERIM REPORT

Docket No.: DMEA-2820 (Tungsten) October 27, 1953

Name and address of operator: Garnet Tungsten Mining Co., Mountain City, Nev.

Name and location of property: Garnet Tungsten Mine Elko County, Nevada

Contract No.: Idm-E556

SUMMARY

The Garnet Tungsten mine was visited on October 15, 16, and 17, 1953 for the purpose of inspecting the progress of diamond drilling which had been started by the Garnet Tungsten Mining Co., under exploration contract Idm-E556 and transferred or assigned by that company to the Sunshine Mining Company of Kellogg, Idaho. During the inspections, the examining engineer was accompanied by Mr. Robert L. Anderson, chief engineer, Sunshine Mining Company.

The operators had drilled two diamond drill holes in an effort to complete diamond drill hole No. "A". The first drill hole was abandoned at 142 feet when the drill steel became stuck and could not be recovered. The second drill hole was started at approximately 50 feet, N. 49° E. of hole No. 1, and reached a depth of 95 feet when the drill steel stuck and could not be recovered. The above drilling had been done by Mr. Abram A. Knowles under a contract agreement with the Sunshine Mining Company.

After Mr. Knowles failure to successfully complete the drilling of the "A" drill hole, the Sunshine Mining Company on October 15, 1953, entered into a contract with the Boyles Bros. Drilling Co. of Salt Lake City, Utah, to provide heavier drilling equipment and to complete the diamond drilling program as specified in exhibit "A", stage 1, attached to the exploration contract.

A drill crew and all necessary machinery and equipment from the Boyles Bros. Drilling Company arrived at the mine at 1:00 PM on October 16, 1953. Mr. William MacManama, drill foreman for Boyles Bros. Drilling Company will be in charge of the work for the drilling contractor.

With reference to the Boyles Bros. Drilling Company and the contract between the two parties, the following data was obtained by the examining engineer:

Drilling company personnel:

Mr. A. F. Goldsworthy, Manager, Western Division,
1321 South Main Street,
Salt Lake City, Utah.

Drilling contract rates:

$5.25 per foot for 520 feet of drilling EX hole.
Reaming @ $2.00 per foot.
$4.50 per foot for drilling the D drill hole, underground.
Cementing @ $8.00 per hour, plus the cost of the cement.

On the afternoon of Oct. 17, 1953, the drilling contractor started to set up the drilling machine over diamond drill hole "A" as indicated in

Figure B attached to the exploration contract.

Drilling is to be done on two shifts per day and the crews will work seven days per week in an effort to complete the surface work prior to heavy snow storms.

The Sunshine Mining Company have requested Government approval for the assignment of the exploration contract from the Garnet Tungsten Mining Company to the Sunshine Mining Company. However, as of the dates of the inspection, the Sunshine Mining Company had received no answer to their request.

CONCLUSIONS

The applicant considers that the heavier drilling equipment to be used by the Boyles Bros. Drilling Company will be adequate to successfully complete the drilling portion of the exploration contract and that the surface drilling should be completed within thirty days.

RECOMMENDATIONS

It will be advisable to complete the A and B drill holes as rapidly as possible in order to secure necessary information required for the location of the proposed 400 foot adit and in order that the adit could be started prior to heavy snows and severe weather conditions.

STATEMENT OF WORK COMPLETED

Drill hole "A" - advance claimed for August 1953	27.0 feet	
" " " September 1953	-	
Total advance	27.0 feet	= 9.64%

Total allowed under contract	280.0 feet
To be completed	253.0 feet = 90.36%
Drill hole No. B - advance	None
Drill hole No. D - advance	None

Comments on progress:- The diamond drilling program conducted by Mr. Knowles on Hole No. A was not successful as both drill holes had to be abandoned due to the drilling bit becoming stuck. The holes were drilled through loose wash and limestone and no scheelite mineralization was noted in the small amount of pieces of core obtained.

It is believed that with the use of a larger drilling rig, that the drill hole No. "A" will be completed to the allowed depth.

SAMPLING

Three new dozer cuts, north and east of the collar of drill hole "A", have been made by the applicant and at his expense. These cuts have exposed tactite in varying widths and seven samples were taken by the examining engineer. The analyses of these samples have not been received to date and will be included in a later report.

FINANCIAL

Estimated cost of project

Agreed unit costs:- Stage 1

Drift 40 feet @ $40.00 per foot	$1,600.00	
Diamond drill 520 feet @ $8.00 per foot	4,160.00	$5,760.00

Expenditures reported:- August 1953	27 feet of diamond drilling	
	216.00 *	
Sept. 1953	None	
Unexpended	$5,544.00	

*Mr. H. C. Miller's letter of October 7, 1953 addressed to Mr. George C. Selfridge, Chairman, Operating Committee, states: "In view of all the facts that have now come to our attention, we are withholding payment of the August vouchers."

The 27 feet claimed for drill hole No. A, which was later abandoned, is to be deducted from future paid footage in this drill hole as the new drilling contractors have returned to the original drill hole location and expect to complete the drill hole as originally planned.

Period of contract:-

Contract dated: June 25, 1953
Completion: Within 8 months from date of contract
Date of completion: Feb. 25, 1954
Time expended: 4 months (50%)
Time remaining: 4 months

Under exhibit "A", stage 1, the time schedule was estimated from 0 to 2 months. The time consumed has already amounted to 4 months and the diamond drilling program has just started. It therefore appears obvious that it will be necessary for the applicant to request an extension of time. Also, winter storms and resultant difficult operating conditions will no doubt cause intermittent delays.

Resume:-

At the time of starting this project, the operators expected to complete the surface diamond drilling, and if successful, to determine the location of the proposed 400-foot adit, all well in advance of winter weather conditions. However, the drilling contractor, Mr. Abram Knowles, one of the owners of the mining claims, was unable to complete either of

the two drill holes started. Additional delays occurred in securing another drilling contractor, assembling a crew and equipment and transporting them to the job.

In an effort to determine the stage 2 of the project, the applicant is to advise this office about 10 days prior to completion of the diamond drilling in order that the field team may have sufficient time to prepare for a joint examination.

Inasmuch as the location of the proposed 400-foot adit will be determined to a considerable extent from a geological study of drill cores and data secured from drill holes "A" and "B", it is suggested that a geologist of the U. S. Geological Survey be assigned to the project and to be available for the above mentioned joint examination.

At the time of the joint examination and assuming that drill holes "A" and "B" are successful in exposing scheelite mineralization, it would be helpful for the field team to recommend the location of the adit and to verbally permit the operators to begin construction. The verbal permission from the field team to be followed by written approval from the Government as provided in the contract.

This suggestion is made only in order to expedite the exploration and in order that construction might begin prior to the expected period of severe winter storms.

Glenn G. Gentry
Mining Engineer

Form MF-104 (Rev.)
April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1953 Docket No. DMEA 2020 Contract No. Ion-556
Operator's Name Sunshine Mining Company Minerals Tungsten
Address Box 1000, Kellogg, Idaho
Contract Amount, $5,760-Stage I Government Participation: 75 % Amount, $4,320.00

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) Short Form Contracts:						
Drilling	791.00	169.00	960.00	920.00	216.00	1136.00
Bulldozing	256.00	-0-	256.00	400.00		400.00
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	379.00	179.00	558.00	-0-		
Supervision	790.67	583.70	1193.57	-0-		
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2216.67	762.70	2979.57	1320.00	216.00	1536.00

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

Date 10/15/53 *Payee Sunshine Mining Co.

Per [signature] Title Mgr. Expl. Div.

*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:

$ 990.00

Dean R. Sylander
Authorized Certifying Officer

Signature
(Authorized Certifying Officer)

Date JUL 20 1954 Vou. No. SF-DMEA-2

(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. Idm-E556 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Region III Date April 2, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. G. Miller Title Executive Officer DMEA Field Team Region III Date April 5, 1954

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

ACCOUNTS APR 6 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Sept. 195 3 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Sunshine Mining Co. Minerals Tungsten
Address Box 1780, Kellogg, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	1570.02	115	~~XXXXXX~~ 1136.00	142	10.49	620	0.00
Churn								
Auger								
Stripping	Hour	640.85	32	~~XXXXXX~~ 400.00	32	20.19	64	12.50
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2210.87		1536.00 ~~XXXXXX~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Less suspension		896.87						
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		~~XXXXXX~~ 1300.00		~~XXXXXX~~ 1536.00				

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

Date 10/22/53 Operator Sunshine Mining Co.
Per [signature] Title Exp. Prod. Div.

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

SUNSHINE MINING COMPANY

Re: Docket No. DMEA-2820(Tungsten)
Garnet Tungsten
Garnet No. 1 and No. 2 Claims
Elko County, Nevada
Contract Idm-E556
Amendment #1
Tungsten

Narrative Report of Operations
September, 1953

Diamond drill hole A was drilled an additional 115 feet to a depth of 142 feet where the water disappeared and the string of drill tools was lost. Overburden continued to the depth of 83 feet. The remainder of the hole was in thin-bedded lime shale. The hole was abandoned.

A bulldozer and operator were hired to excavate for a new collar location, see 8½ x 11 Plan and Section, where hole A-2 was started. This hole was drilled 72 feet during the month, 44 feet in overburden and 28 feet in thin-bedded lime shale. The 72 feet of hole A-2 and the cost of same have not been entered on the forms MF-104 and MF-104A.

Three new surface cuts, numbers 1, 2, and 5, were bulldozed to further explore the tactite exposed to the north of the main ore body.

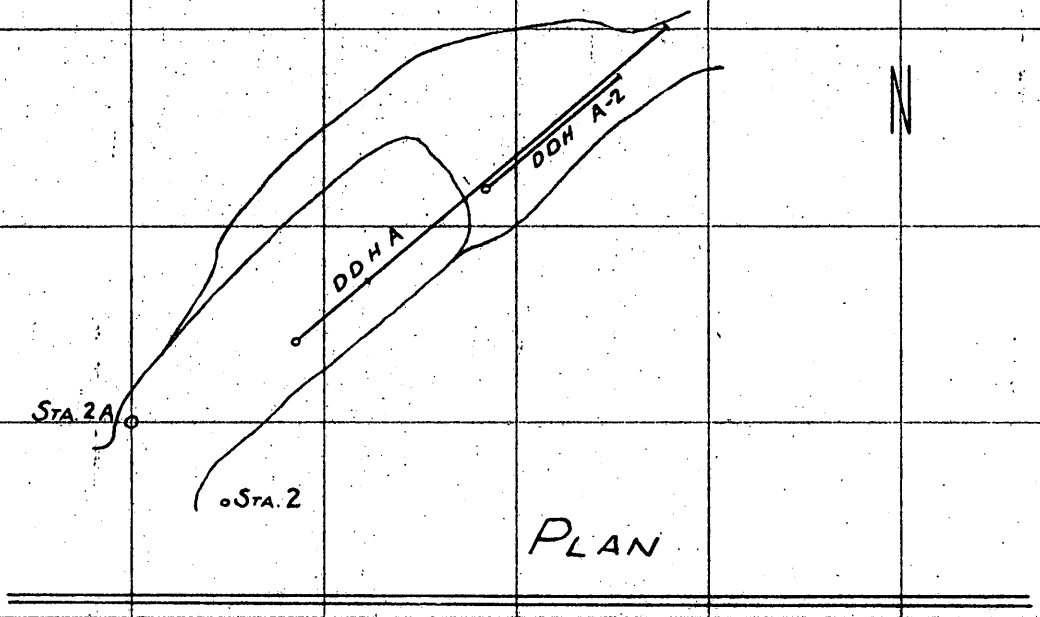
Attached are:

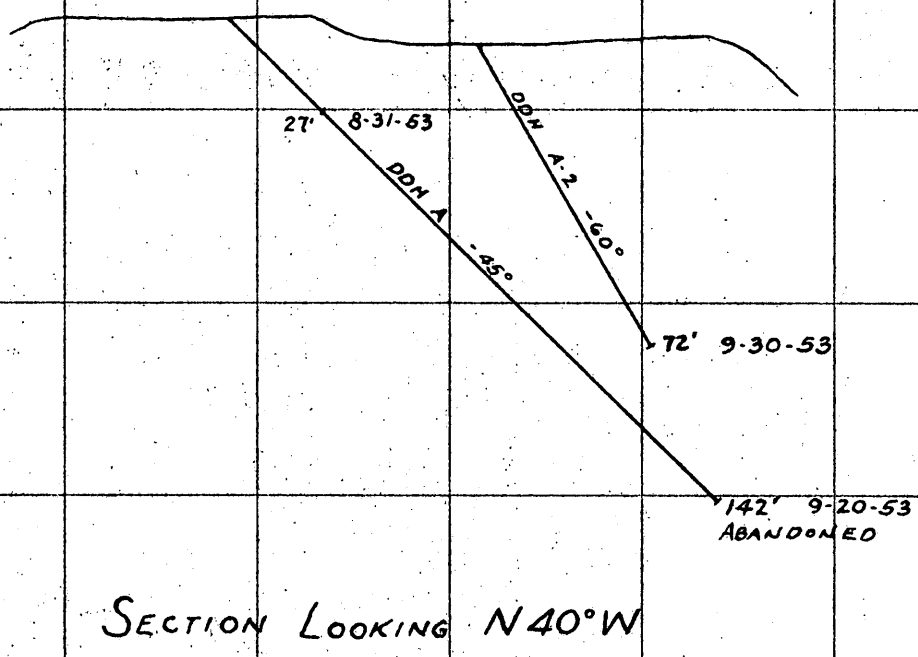
1 - 40 Scale Plan and Section DDH A, A-2
2 - 20 Scale Plan of cuts 1, 2 and 5

SUNSHINE MINING COMPANY

W. Church Holmes

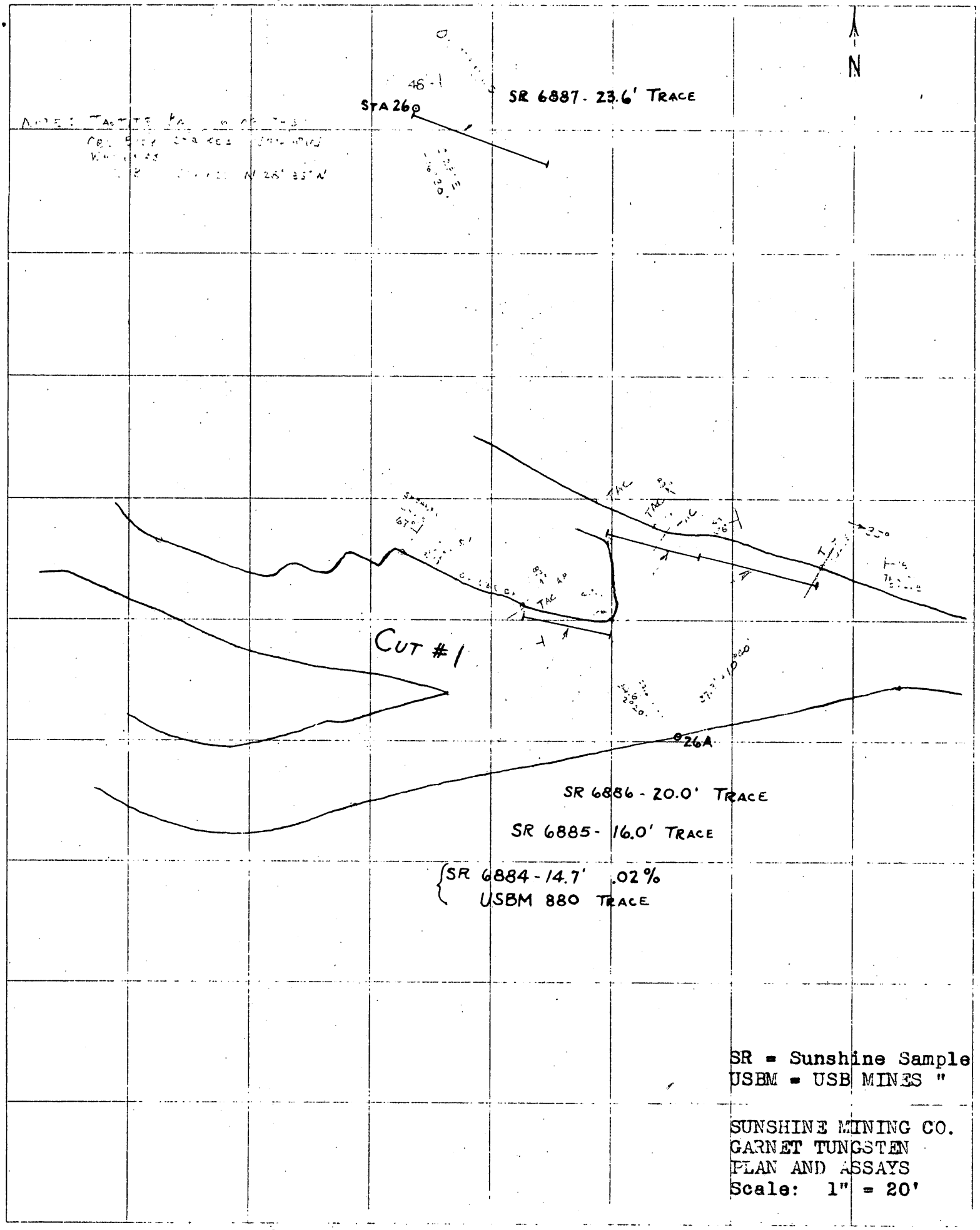
W. Church Holmes
Mgr. Exploration Division

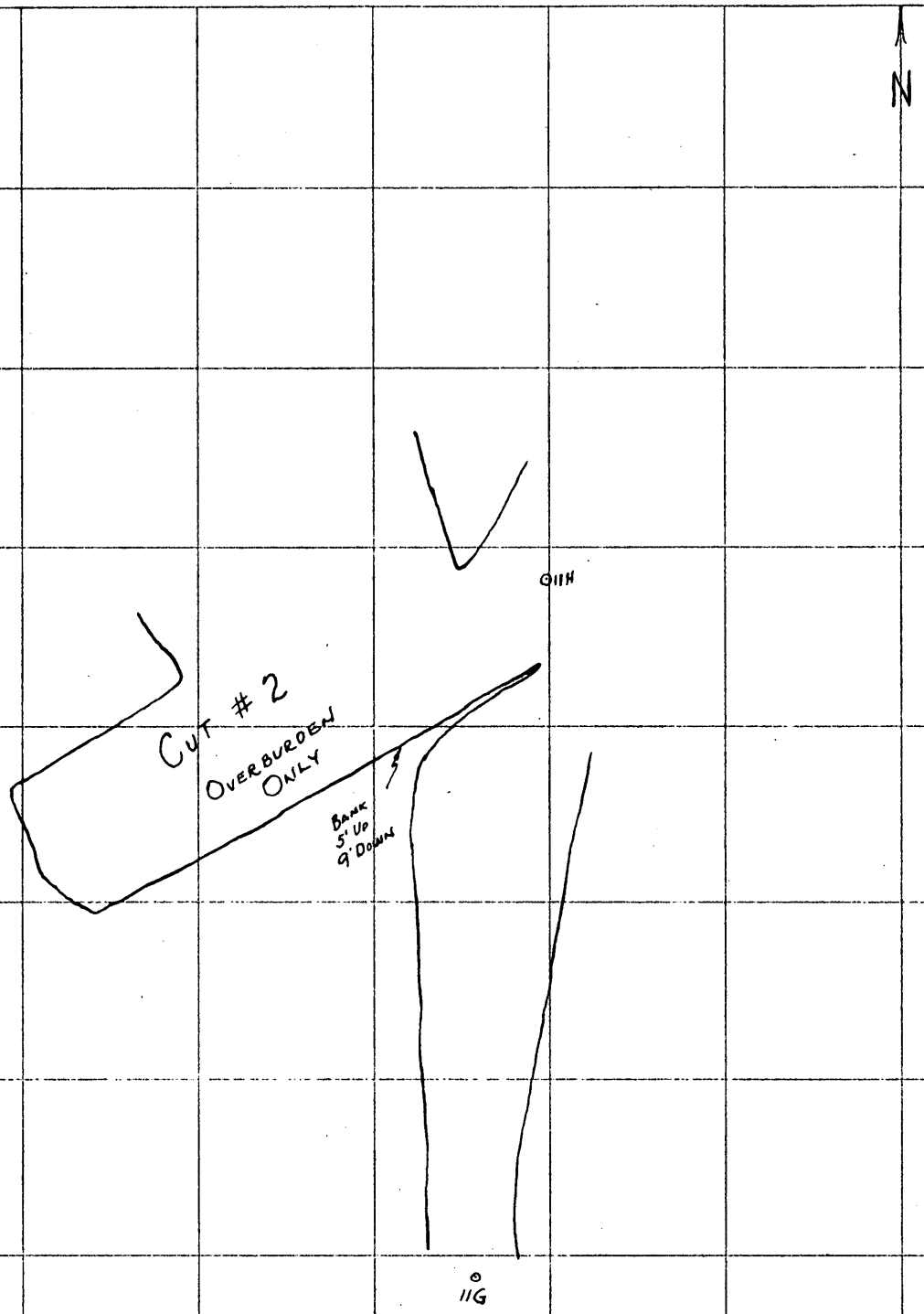




SUNSHINE MINING COMPANY
GARNET TUNGSTEN
D. D. HOLES A & A-2
Scale: 1" = 40'

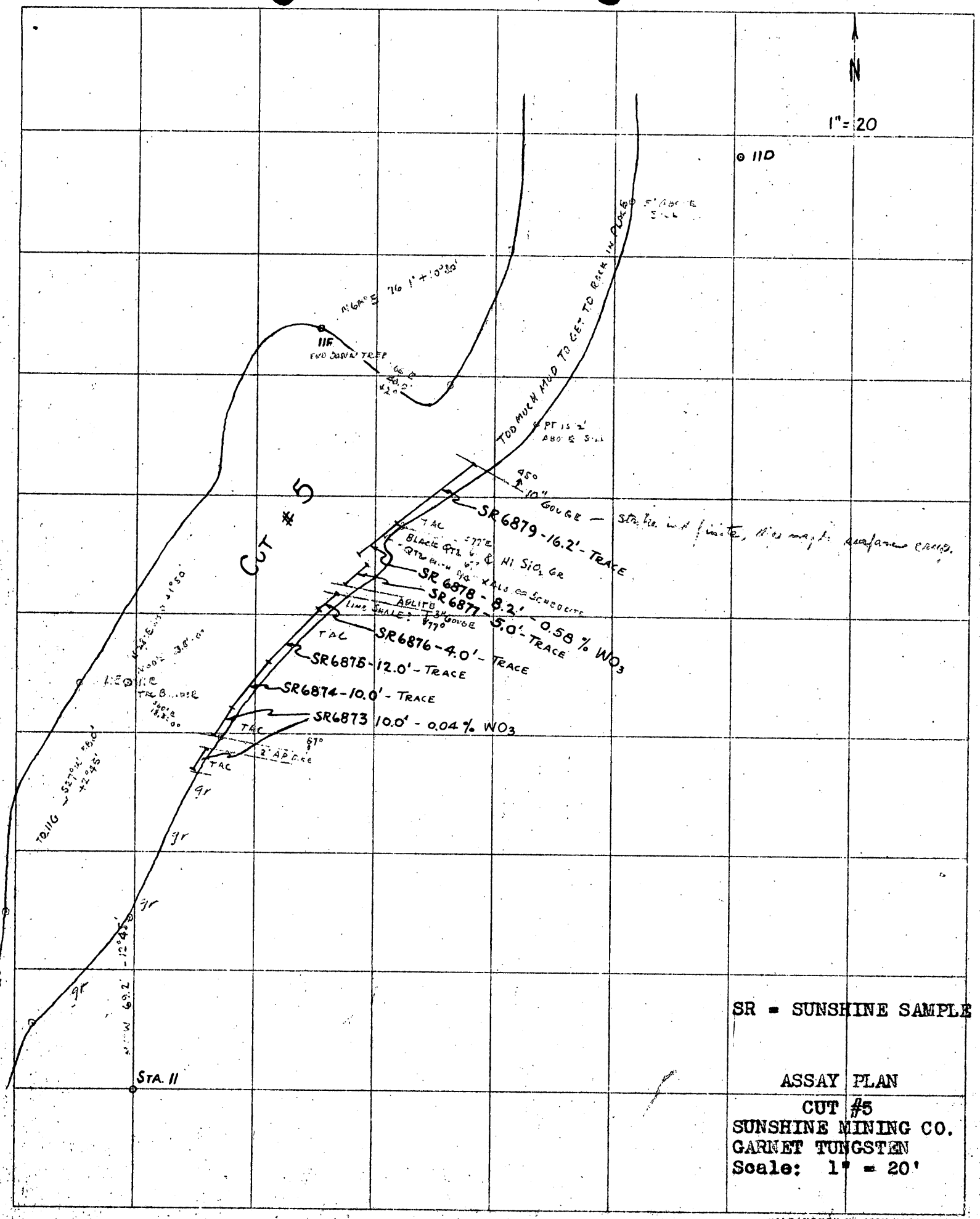
"ALBANENE" NO. 100GM K&E CO., N.Y.
REG. U.S. PAT. OFF


N
STA 26
SR 6887 - 23.6' TRACE
CUT #1
26A
SR 6886 - 20.0' TRACE
SR 6885 - 16.0' TRACE
SR 6884 - 14.7' .02%
USBM 880 TRACE
SR = Sunshine Sample
USBM = USB MINES "
SUNSHINE MINING CO.
GARNET TUNGSTEN
PLAN AND ASSAYS
Scale: 1" = 20'



PLAN
SUNSHINE MINING CO.
GARNET TUNGSTEN
Scale: 1" = 20'

"ALBANENE" No. 198M K&E CO., N.Y.
REG. U.S. PAT. OFF



"ALBANENE" NO. 160M KOECO., N.Y.
REG. U.S. PAT. OFF.

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

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

December 15, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

The attached report on Sampling is to be made a part of Glenn G. Gentry's Interim Inspection Report of September 3, 1953, which was transmitted to you with our memorandum of September 16, 1953, concerning Contract Idm-E556, DMEA-2820 (Tungsten), Garnet Tungsten Mining Company..

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

Attachment

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

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

Docket No.: DMEA-2820 (Tungsten), Garnet Tungsten Mining Co., Elko County, Nevada - Contract Idm-E556

Received

SAMPLING

Sample No.	%, WO_3
BM-746	1.20
BM-747	0.71
BM-748	0.20
BM-749	0.65
BM-750	0.16

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
SEP 21 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: September 16, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA-2820

Contract Idm-E556

Commodity Tungsten

Operator - Garnet Tungsten Mining Company

Property - Garnet Tungsten Mine, Elko County, Nevada

By Glenn G. Gentry

Dated September 3, 1953

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

Attachment

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

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

INTERIM REPORT

Docket No.: DMEA-2820 (Tungsten) Sept. 3, 1953

Name and address of operator: Garnet Tungsten Mining Co.,
Mountain City, Nev.

Name and location of property: Garnet Tungsten Mine
Elko County, Nev.

Contract No.: Idm-E556

SUMMARY

The Garnet Tungsten Mine was visited on August 23 and 24, 1953 for the purpose of inspecting any work performed under the exploration contract. The examining engineer was accompanied by Mr. Harold Culp, representing the Garnet Tungsten Mining Company and Mr. Robert L. Anderson, chief engineer for the Sunshine Mining Company and on August 24 by Mr. R. M. Smith of the U. S. Geological Survey.

Mr. Robert L. Anderson advised the examining engineer that effective August 18, 1953, the Sunshine Mining Company, whose address is P. O. Box 1080, Kellogg, Idaho, have taken over control of the Garnet Tungsten Mining Company and have been paying all expense of operations since that date. Mr. Robert L. Anderson, whose present address is General Delivery, Mountain City, Nevada, will be in active charge of all mining and exploration operations.

Due to the period of waiting for final negotiations to be completed between the Garnet Tungsten Mining Company and the Sunshine Mining Company, no work had been started on the exploration allowed in the contract and therefore no contract funds had been expended.

The exploration by means of diamond drilling is expected to be done by Mr. Abe Knowles, one of the owners of the property. However, Mr. Knowles does not expect to start drilling until he has secured a contract from the Sunshine Mining Company. Therefore, the date of starting drilling operations was indefinite.

During the past months, ending in May 1953, the Garnet Tungsten Mining Company, at their own expense, have driven an adit and crosscuts a total of 340 feet to prospect the tactite exposure near the northwest end of the property. In order to provide additional information as to the grade of tungsten ore observed, the examining engineer secured the following samples:

Sample No.	* %, WO_3	Description
BM-746		Grab sample of high grade ore broken from south wall of west crosscut (see sketch).
BM-747		Width 6 ft. West wall of main adit. About average grade of ore by lamp.
BM-748		Width 5 ft. Tactite on east wall of main adit (see sketch).
BM-749		Grab sample from dump at portal of adit. Applicant reports 800 tons of tungsten ore in this dump and that the car samples averaged 0.5% WO_3.
BM-750		Grab sample from cut and dozer dump. Tactite exposure in dozer cut N. 23° E., 380 feet from collar of "A" drill hole. This cut is approximately 25 feet below collar of the "A" drill hole.

* Analysis will be forwarded as soon as they are available.

REMARKS

At the time of the inspection by the examining engineer, no copy of the Agreement or Lease between the Sunshine Mining Company and the Garnet Tungsten Mining Company was available for study. Therefore, the exact status of the negotiations between the two mining companies

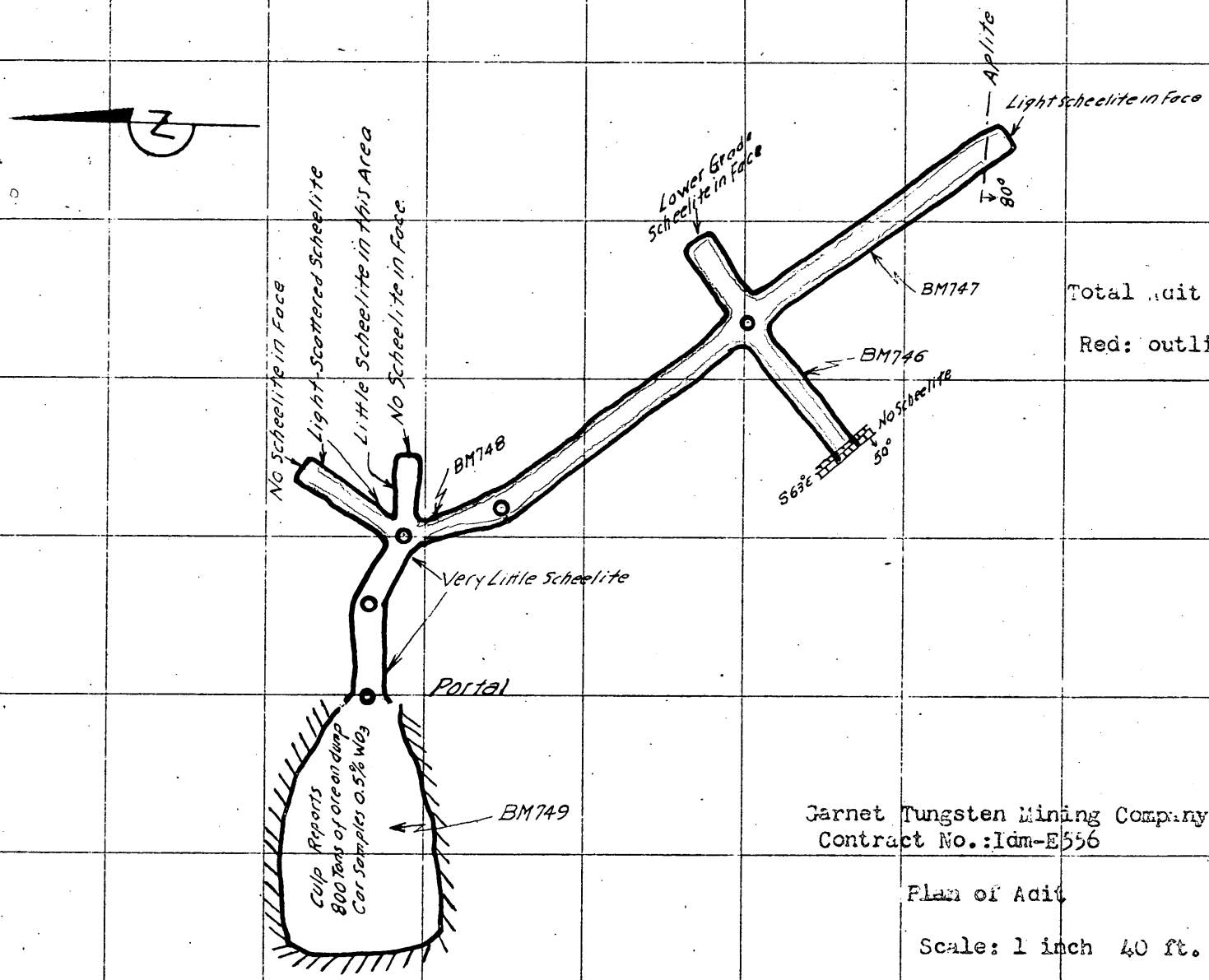
is not clear.

During a discussion of the Government exploration contract, Mr. Anderson's and Mr. Culp's attention was directed to ARTICLE 7. "Assignment, transfer, or loss of owners interest - without the written consent of the Government, the operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder."

Apparently, under date of July 8, 1953, Messrs. Ray E. Summers and Harold A. Culp requested assignment of their lease and option to purchase the Garnet claims, to the Garnet Tungsten Mining Company. The name of Mr. L. D. Wilson, one of the lessees is not mentioned.

The examining engineer understands that the mining operations are to be conducted by the Sunshine Mining Company and probably under the name of the Garnet Tungsten Mining Company. However, in order to comply with Article 7 of the Government Exploration Contract, the Garnet Tungsten Mining Company and/or the Sunshine Mining Company should submit copies of the lease or option agreement and request written consent from the Government for the transfer of the exploration contract.

Glenn G. Gentry
Mining Engineer



Total adit workings: 340 feet

Red: outline of scheelite

Garnet Tungsten Mining Company
Contract No.: Idm-E556

Plan of Adit

Scale: 1 inch 40 ft.

"ALBANENE" REG. U.S. PAT. OFF. NO. 193M K&E CO., N.Y.

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

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

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

Month of August 195 3 Docket No. DMEA 2820 Contract No. Idm-E556
Operator's Name Sunshine Mining Co. Minerals Tungsten
Address Box 1080, Kellogg, Idaho
Contract Amount, $ 9,760 Stage I Government Participation: 75% Amount, $ 4,320.00

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	189.00	--	189.00	216.00		216.00
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	175.00	--	175.00	-0-		
Supervision	398.70		398.70	-0-		
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	762.70	--	762.70	216.00		216.00

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

Date 9/15/1953 *Payee Sunshine Mining Co.

Per [signature] Title Mgr. Expl. Div.

*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:

$ 162.00

Signature [signature]
(Authorized Certifying Officer)

Date Nov 20 1954 Vou. No. SF-DMEA-2

(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. Idm-E556 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Region III Date April 2, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date April 5, 1954

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-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

ACCOUNTS APR 6 1954

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195 3 Docket No. DMEA 2020 Contract No. Idn-2096
Operator's Name Sunshine Mining Co. Minerals Tungsten
Address Box 1050, Kellogg, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Foot	762.70	27	762.70	27	27.74	620	8.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		762.70		762.70				
Less disallowance		546.70		546.70				
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		216.00		216.00				

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

Date Sept. 15, 1953 Operator Sunshine Mining Co.

Per [signature] Title Mgr. Explor. Div.

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

SUNSHINE MINING COMPANY

Re: Docket No. DMEA-2820(Tungsten)
Garnet Tungsten
Garnet No. 1 and No. 2 Claims
Elko County, Nevada
Contract Idm - E556
Amendment #1
Tungsten

Narrative Report of Operations
August, 1953

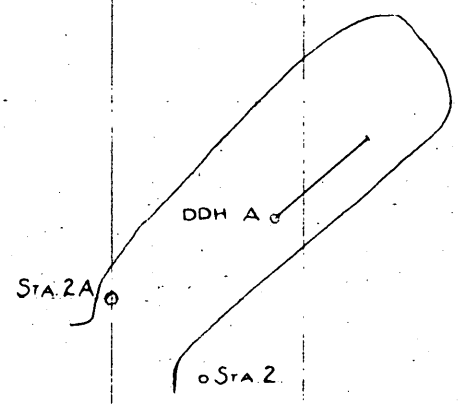
Diamond core drilling was commenced on diamond drill hole A at the location designated by the Bureau of Mines. The hole was drilled 27 feet between August 29th and the end of month. Only overburden was encountered and no core was taken.

Enclosed is 40-scale plan and section showing diamond drill hole progress.

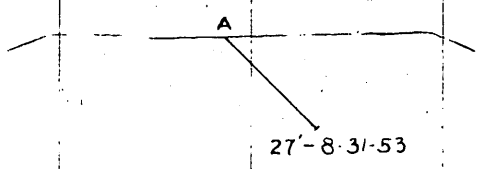
SUNSHINE MINING COMPANY

W. Church Holmes

W. Church Holmes
Mgr. Exploration Division



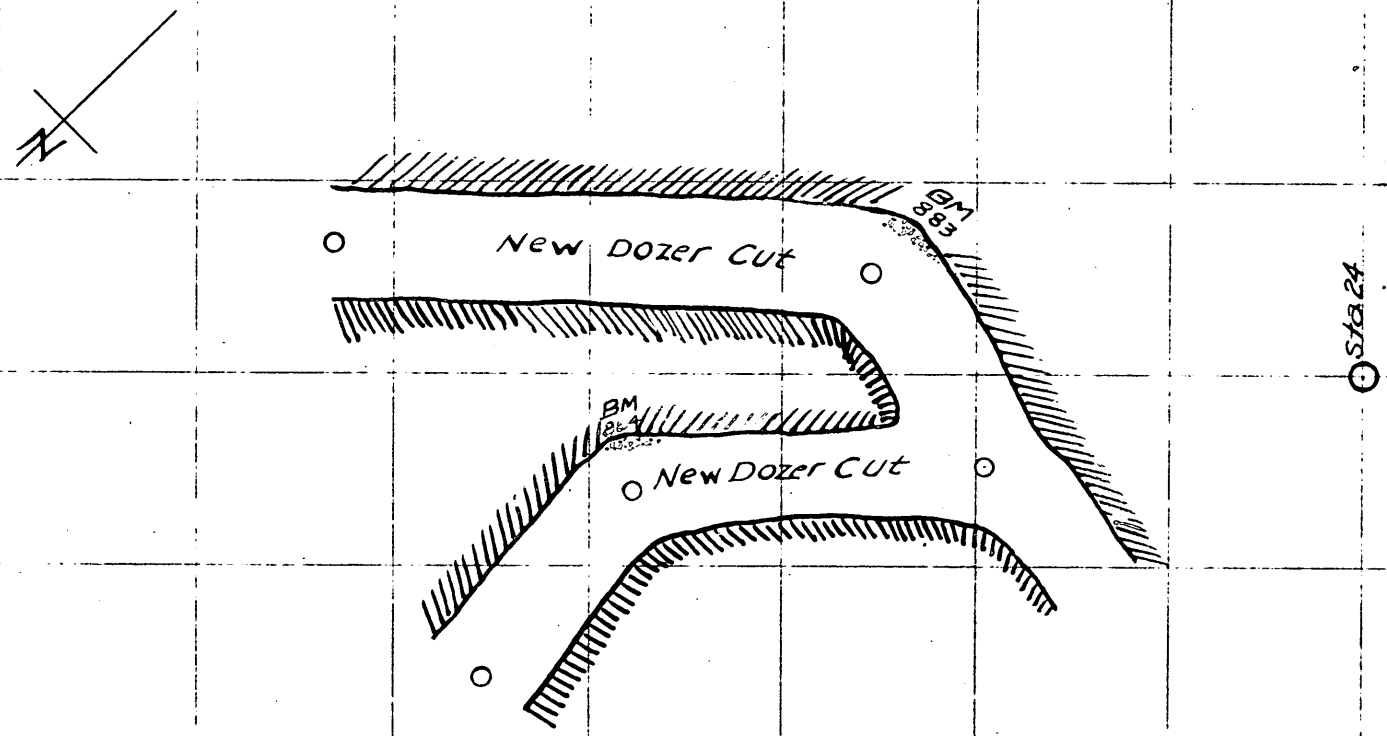
PLAN



SECTION

SUNSHINE MINING CO.
GARNET TUNGSTEN
1" = 40'
D.D. HOLE A

ALBANENE NO. 195M
REG. U.S. PAT.



"ALBANENE" No. 10 cm Pat. N.Y.
DEG. U.S. PA. OFF