m 18

58

DE[illegible]NSE MINERALS EXPLORATION ADMINI[illegible]RATION

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**

Report Period	
1.1-6.30.57	

DMEA No.	Operator	Contract No.
2957	**Carl Hovgard (Wothree Mines)**	**Idm-E632**

ORE ESTIMATES

	Tons	Analysis
DMEA	6,200	0.25 % WO_3
Operator to date	**None**	
Total	6,200	0.25 " "
Production to date	2,634 *	0.25 " " *
Ore in ground	3,566 *	0.25 " " *

INVESTMENT **None reported**

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts				
Raises				
Drilling	Type			
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

* **Tonnage and grade from production reported in Final Report of Field Team, adjusted to "Official" grade.**

Mining ceased in August 1955, milling in December 1955, Hovgard abandoned property in March 1956. Examining engineer reported no signs of recent activity in June 1957, and in January 1958, reported that all mining and milling equipment and buildings had been removed from the property.

Prepared by Stephen P. Holt Date 3.5.58

(rev. 3.20.58)

Carlson & Wilcox

31398

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

October 30, 1964

Re: IMEA-2957 (Tungsten)
Carl Hovgard
Williams Tungsten Mine
(Wothree Mine)
Mohave County, Arizona
Contract Idm-E632

Mrs. Grace Melles
Box 806
Kingman, Arizona, 86401

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 9 1964

DATE	INITIALS	CODE
11/9	GES	800
		~~100~~
11/13	GES	~~110~~
		120
		~~120~~

Dear Mrs. Melles:

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.

Although you have no financial responsibility under the subject contract, this inquiry is being sent you as our files indicate that the subject land was relocated in 1958 by Tony Melles and R. J. Miller and that you have had correspondence concerning it with our field office.

We shall appreciate it if you will answer Items 1 and 2 on the reverse side of this form and return two of the copies to us.

Sincerely yours,

George C. Selfridge

George C. Selfridge, Chief
Division of Exploration Operations

MME Form 63
Revised 3-62

DMEA-2957
Idm-E632

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. ~~Since~~ From 1958 to October 30, 1964, 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~~ From 1958 to October 30, 1964, 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 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 Mrs. Grace Melles Title Wife

Address P O Box 806 Kingman Ariz. Date 10-5-64

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

October 22, 1963

OFFICIAL FILE COPY
O. M. E
RECEIVED OCT 30 1963

DATE	INITIALS	
10/30		
10/30		800
10/20		100
10/31		110
		500
		220

Mr. Carl Hovgard
c/o Mr. Norman D. FitzGerald
Box 5046
Abilene, Texas

Re: DMEA-2957 (Tungsten)
Carl Hovgard
Williams Tungsten Mine
(Wothree Mine)
Mohave County, Arizona
Contract Idm-E632

Dear Sir:

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

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since September 5, 1962, 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 5, 1962, 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 Norman J. Fitzgerald Title Manager

Address P. O. Box 5046 Date October 28, 1963

Abilene, Texas

4511

Re: DMEC - 2957

Ops. should be advised that, regardless of abandonment, it is "surety" for royalty.

Talbot
9/10/62

Should not notify [illegible] of objection [illegible]

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

August 9, 1962

Re: DMEA-2957 (Tungsten)
Carl Hovgard
Williams Tungsten Mine
(Wothree Mine)
Mohave County, Arizona
Contract Idm-E652

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 10 1962

DATE		
9/10		800
		~~110~~
		120
		500
9/11		500
		210

Mr. Carl M. Hovgard
1141 Butternut Street
Abilene, Texas

Dear Mr. Hovgard:

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

W. R. Griswold, Chief
Division of Minerals

See letter to Carl Hovgard
To Mr. Norman D. Fitzgerald
Box 5046 Abilene, Texas 9/14/62 Folder #1

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since **May 10, 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 **May 10, 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
	NONE	

   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
This property was abandoned in 1955 with releases filed of record.		

Submitted by:

Name Norman Goffgeld Title Manager

Address Box 5046, Abilene, Texas Date September 5, 1962

4511

225

OFFICE OF MINERALS EXPLORATION

REGION III

Statement in Lieu of Interim Report
of Certified Project

Reporting Period January 1, 1959 to February 1, 1960

Docket and Contract Number DMEA-2957, Idm-E632 (Tungsten)

Operator Carl Hovgard (Williams or Wothree mine)
Mohave County, Arizona

The project has been inactive during the reporting period [x]

Pertinent data relative to the subject contract has remained unchanged since the last report [ ]

Remarks:

The owners reported:

1. A Notice of Abandonment of the property was filed and recorded at the County Recorder's Office, February 15, 1956.

2. There was no production from the subordinated land during the reporting period.

Mr. Selfridge's question on memo 3/16/60 from
Region III transmitting this report:
"Has Legal answered our memo of 2/24/60?

Signed T M Romslo
T. M. Romslo

Date March 10, 1960

File in docket 3/22

Manzark file
is in Legal on
Dallas docket with
order 2/24/60 (deferring)
but Janice Goodman
says nothing has been
prepared

Discussed
with Dr
Glass 3/23
working on it

OME, REGION III

Statement in Lieu of Semiannual Report

Reporting Period July 1, 1958 - December 31, 1958
Docket and Contract Number DMEA 2957 - Idm-E632 (Tungsten)
Operator Carl Hovgard

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

No DMEA ore stockpiled

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 9 1959

DATE	INITIALS	CODE
4-9	C	220
4/10	CEF	40
4/10	WSM	800
		400

Original signed by

Signed T. M. Romslo

Date April 2, 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

February 11, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 14 1958

DATE	INITIALS	CODE
2-14	C	220
14	com	100
"	[illegible]	110
2/24	[illegible]	800
		225

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1 to December 31, 1957

DMEA Docket 2957 (Tungsten)
Contract Idm-E 632, Carl Hovgard (Wothree Mine) Mohave County, Arizona

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

W H King
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM:jy

cc: Semiannual Report File E 632
Emerick
DMEA, TUC
Harshman
Chron.

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 14 1958
DATE | CODE

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period — July 1 to December 31, 1957
Docket and Contract Number — DMEA-2957, Idm-E632
Operator — Carl Hovgard (Wothree Mine)

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [ ]

Remarks: I visited the property January 14, 1958. Nobody was observed in the area of the mine openings where there was no evidence of recent activity. I also found that all mining and milling equipment and buildings had been removed from the property.

Signed T. M. Romslo
T. M. Romslo

Date Jan. 16, 1958

CC W. H. King (Orig. & 9); DMEA-2957, Cert file; DF. TMRomslo:frm

EXTRA COPY
DMEA
RECEIVED
DATE | INITIALS | CODE
7/25 | WSM | 400

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period 1/1/57 - 6/30/57
Docket and Contract Number DMEA 2957 - Contract Idm-E632
Operator Wothree Mine
Williams Tungsten Mine

The project has been inactive during the reporting period ☐

Pertinent data relative to the subject contract has remained unchanged since the last report ☒

Remarks:

No evidence of any production.

DMEA
DEPARTMENT OF THE INTERIOR
JUL 19 1957
REGION III
DENVER, COLORADO

Signed W. D. McMillan
W. D. McMillan

Date 7/17/57

chf in file

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 25 1957

DATE	INITIALS	CODE
7/25	Com	100
		770

July 23, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1957 through June 30, 1957
DMEA Docket 2957 (Tungsten)
Contract Idm-E 632, Carl Hovgard (Wothree Mine), Mohave County, Arizona

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

W S King
XXXXXXXXXXXXXX
Executive Officer, DMEA
Field Team, Region III

Enclosures

MHM/vj
cc: Semiannual Report File E 632
Harshman
DMEA/DFC
DMEA/TUC
Emerick
Chron.

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period 1/1/57 - 6/30/57
Docket and Contract Number DMEA 2957 - Contract Idm-E632
Operator Wothree Mine
Williams Tungsten Mine

The project has been inactive during the reporting period [ ]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

No evidence of any production.

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 25 1957
DATE | INITIALS | CODE

DMEA
DEPARTMENT OF THE INTERIOR
JUL 19 1957
REGION III
DENVER, COLORADO

Signed W. D. McMillan
W. D. McMillan

Date 7/17/57

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

224 New Customhouse
Denver 2, Colorado

Date: February 28, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1956 through December 31, 1956
DMEA Docket 2957 (Tungsten)
Contract Idm-E632, Norman Fitzgerald (Wothree Mines), Mohave County, Arizona

Earl Hovgard

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office ~~and~~ Memorandum 29., and Special Notice in Minutes of Operating Committee Meeting No. 692.

E. M. Harshman

for W. M. Traver
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM/vj

cc: Semiannual Report File E 632
W. R. Storms
E. N. Harshman
Chron.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 4 1957

DATE	INITIALS	CODE
3/5	Com	100
3-7	C	220

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

U. S. BUREAU OF MINES
SOUTHWEST EXPERIMENT STATION
FEB 18 1957
TUCSON, ARIZONA

Reporting Period	July 1 to December 31, 1956
Docket and Contract Number	DMEA 2957 - Idm-E632 (Tungsten)
Operator	Norman Fitzgerald (Wothree Mines)

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [ ]

Remarks:

The property was visited on January 31, 1957, under adverse road conditions. Due to prior heavy snowfalls the mine road was untracked, and over layed a thin frost cover of about 3-4 inches of frozen mud. Beneath this thin cover was an impassable mud roadbed.

A visual inspection, from a distance of about 1500 feet, was made of the surface facilities and dumps, all of which was covered by a heavy blanket of snow. There was no visual evidence of recent work at the property. Thawing conditions at the time of inspection made it imperative to return over the mine road before the frost cover softened over the impassable sections of the mine road.

Inquiries were made at the Cave Springs (Trout Creek) filling station and store where the attendent, James V. Lapurr, an ex-employee of Wothree Mines, stated that no development nor mining had been engaged in during the past year. This statement was also verified by a rancher living in the general vicinity of the mine property.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 4 1957

DATE	INITIALS	CODE

Signed W. W. Winkel Date Feb. 13, 1957

W. W. Winkel, Mining Engineer, Denver Experiment Station, February 13, 1957

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

400

FINAL DISTRIBUTION
MADE APR 2 1956

224 New Customhouse
Denver 2, Colorado

RECEIVED
APR 4 - 1956

March 21, 1956

WSM

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2957 (Tungsten), Contract Idm-E632, Carl Hovgard (Williams Tungsten Mine) Mohave County, Arizona
FINAL PAYMENT

Reference is made to our memorandum of November 28, 1955 whereby we transmitted the final Form MF-104, Operator's Monthly Report and Voucher, for the month of October, 1955 and requested that you withhold the amount of $250.00 pending receipt of the Operator's final report and release of the Report of Review of contract expenditures by the Contract Administration and Audit Division.

The Operator's final report has been received, therefore we recommend that payment to the Operator be made on the following basis which is in conformance with the Report of Review by the Contract Administration and Audit Division dated December 14, 1955 which was released to this office December 16, 1955.

Basis for Final Payment

Total accepted cost	$31,275.00
Government participation at 75 percent	23,456.25
Total prior payments	23,206.25
Balance due the Operator	$ 250.00

W. M. TRAVER

W. M. Traver

JDC:jy
cc: MF-104 File E632
Sec. Op. Comm. (2)
Storms
Townsend Chron.

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

DEC 19 1955

December 16, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 2957 (Tungsten) Contract Idm-E632, Carl Hovgard, Williams Tungsten Mine (Wethree Mines) Mohave, County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of October, 1955.

E. N. Marshman

E. N. Marshman

Enclosures

mf 104
Oct

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

RECEIVED
DEC 19 1955

Administrative Audit Difference Statement

Date: _____
Payee's Reference: Dec. 13, 1955
Oct. 1955

Carl Hovgard
2112 Dale Road Street
Abilene, Texas

Dear Sir:

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

Amount Claimed	$ _____
Difference	$ 1,200.00
Amount Approved	$ 1,200.00

The reason for the difference was due to:

* $250.00 withheld pending release of Final Audit and Report of Review by the Contract Administration and Audit Division.

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

Very sincerely yours,

N.E.Stokes
Audit Section

R-IV-B & F Form No. 4
4-15-52 D

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

RECEIVED
DEC 19 1955

224 New Customhouse
Denver 2, Colorado

November 28, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 2957, (Tungsten) Contract Idm-E632, Carl Hovgard, Williams Tungsten Mine (Wethree Mines) Mohave, County, Arizona - Operator's Monthly Progress Report for the period October, 1955

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report, except for the following deduction:

Withhold an amount of $250.00 pending receipt of the Operator's Final Report, and release of the Final on-site Audit or Report of Review by the Contract Administration and Audit Division, DMEA

Remarks

Date of Report- - - - - - - - - - - - - - - - -October 22, 1955
Date Received in Field Office- - - - - - - November 18, 1955
Date Received in Region Office- - - - - - November 25, 1955

JDC:jy
cc: MF-104 File E632
Sec. Op. Comm. (2)
Storms
Townsend w/copy engr's report
Chron.

W. M. Traver

By J. W. Townsend
J. W. Townsend

Enclosures

RECEIVED
DEC 1 0 1955

Box 4097
Tucson 5, Arizona

November 23, 1955

Memorandum

To : W. M. Traver, Executive Officer, DMEA Field Team, Region III

From : Superintendent, Southwest Experiment Station

Subject : October 1955 Progress Report, DMEA Contract Idm-E632, Docket DMEA-2957, Carl Hovgard's Williams Tungsten Mine (Wethrow Mines), Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;
(2) Operator's narrative report; with map;
(3) Forms MF-104 and MF-104A.

Also enclosed are extra copies of our engineer's report.

All work is in accordance with terms of the contract. The usual sum should be withheld until the operator's final report has been received. The Government's share of the remaining costs may be paid.

Walter R. Storms

Walter R. Storms

CC W. M. Traver (8)
DMEA-2957
DF

WRStorms:frj

RECEIVED
DEC 19 1955

Box 4097
Tucson 5, Ariz.

November 23, 1955

Memorandum

To : W. R. Storms, Superintendent, Southwest Experiment Station, Region III

From : T. M. Romslo, Mining Engineer, Tucson, Ariz.

Subject : Progress Report for October 1955, Docket BMEA-2957, Contract Idm-2632, Carl Hovgard's Williams Tungsten Mine (Wethree Mines), Mohave County, Ariz.

On October 18, 1955 I visited the Williams mine and inspected pertinent mine workings in the presence of George B. Blonsky, General Manager for Wethree Mines. I found that work under the contract, during September and October 1955, was confined to the extension of the Old Timers crosscut on the 200 level. The crosscut had been advanced from 115.0 feet to 217.0 feet from the main drift. Of the 102.0 feet of advance, 62.0 feet reportedly was driven during September and the remaining 40.0 feet was completed early in October.

The 102 feet of crosscutting was completed and an 8-feet hole was drilled into the face without encountering any indication of a second vein zone. Rock penetrated consisted mainly of granite and a few narrow dikes.

J. N. Faick, geologist, U. S. Geological Survey, mapped the crosscut October 28, 1955. Results of the mapping indicated that further search for a possible second vein zone is not justified.

The mine was shut down upon completion of the crosscut. At present one man is employed to assist Blonsky in preparing all equipment and supplies for sale.

Royalty payments appear to have been made on all production except for a small amount of concentrates which may be produced from about 60 tons of ore remaining in mine and mill bins. Blonsky says he will attempt to mill this ore before he abandons the property.

CC W. M. Traver (Orig. & 8)
BMEA-2957
DF

TMRomslo:frj

Analysis of Operator's Report

Form MF-104

The sole cost incurred during October is the $1,200.00 for 40 feet of authorized crosscutting at $30.00 a foot.

All totals appear to be correct.

Form MF-104A

The form has been completed in a proper manner.

Narrative Report

The Operator's Narrative Report with attached map is considered adequate.

Recommendation

As the $350.00 withheld from the Operator's January 1955 MF-104 voucher apparently has been reinstated, I recommend that a similar amount of the Government's share of costs for October be withheld pending receipt of the Operator's Final Report.

W. M. Romale
Mining Engineer
Southwest Experiment Station

RECEIVED
DEC 19 1955

OCTOBER 22, 1955

NARRATIVE REPORT FOR THE MONTH OF OCTOBER, 1955

on work done on

Contract Idm-E632
Docket DMEA-2957
Williams Tungsten Mine
Mohave County, Arizona.

During the month of October 1955 all work done on the above contract was carried out on the extension to the northeast of the Oldtimers' Crosscut on 200 level west of the collar of the winze. The work progressed for 40' from a point 177' from the DMEA reference point at the southend of the Oldtimers' Crosscut to a point 217' from the above reference point, generally in a northeasterly direction. As no indication of the upper vein sought was uncovered and no further expectation remains to encounter the vein by additional work in same direction, this operation was stopped and it was decided to bring the above contract to an end at this point.

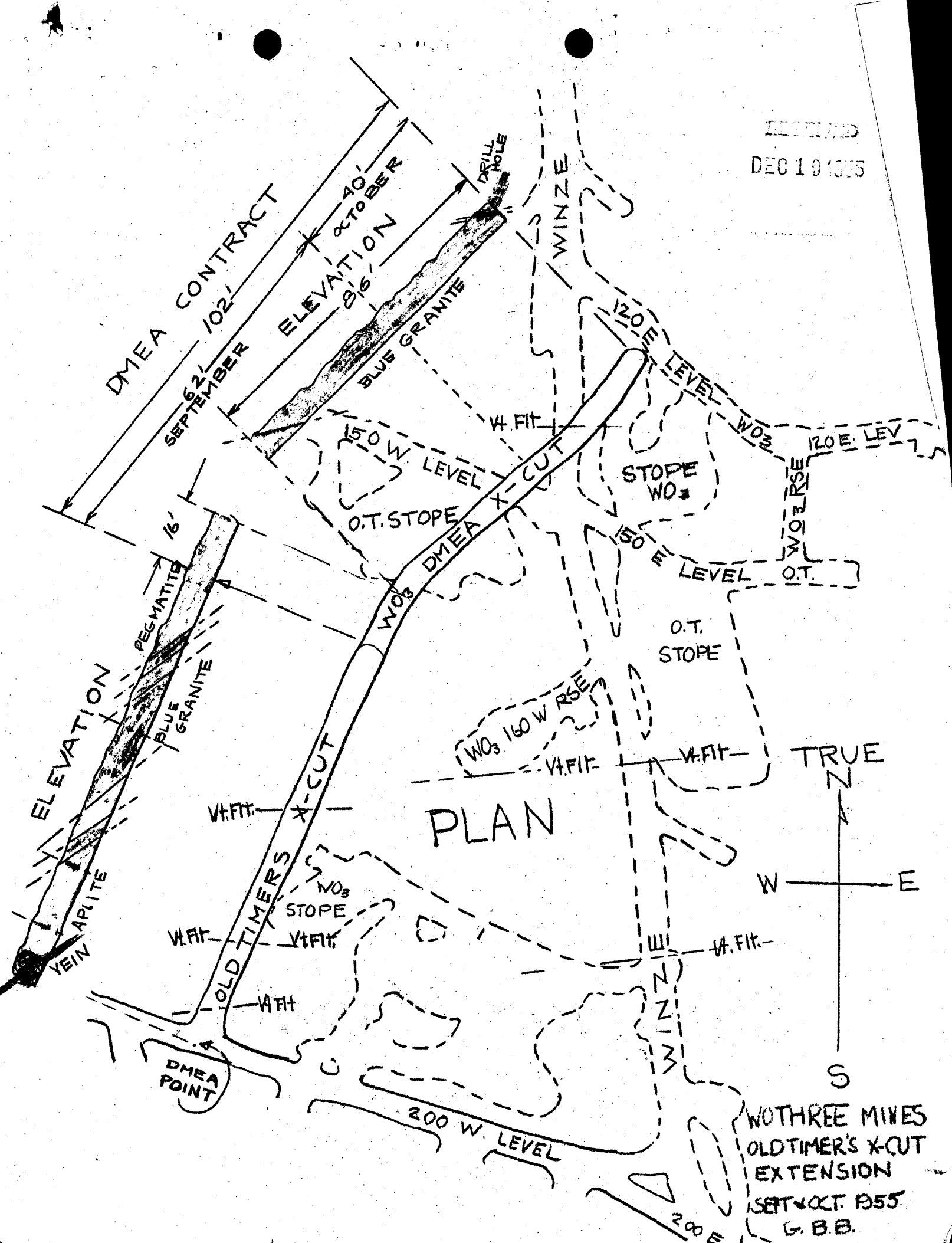
Except for a small spot of pegmatite exposed near the final face of the crosscut, all October progress was made through dark bluish-grey granite, cut by a number of minor faults and joints, causing local stretches of soft ground. Apparently the upper vein, though showing strongly in surface outcrop up the dip above our crosscut, did not extend to the level explored by our working.

The above described crosscutting is the last and final work Wothree Mines will do on this property and contract. The only remaining thing for us to do is to submit a final overall report on our exploratory work on Contract Idm-E632, which we shall do in the course of the next couple of weeks.

For: CARL HOVGARD, dba Wothree Mines

George B. Blonsky

George B. Blonsky
General Manager.


DEC 1 9 1955
DMEA CONTRACT
102'
62'
SEPTEMBER
ELEVATION
40'
OCTOBER
8'6'
DRILL HOLE
BLUE GRANITE
WINZE
120 E LEVEL
WO3
120 E. LEV
WO3 RSE
150 W. LEVEL
Vt. Flt
O.T. STOPE
DMEA X-CUT
STOPE WO3
150 E LEVEL
O.T.
O.T. STOPE
16'
PEGMATITE
BLUE GRANITE
ELEVATION
WO3 160 W RSE
Vt.Flt
TRUE
N
W
E
S
PLAN
OLD TIMERS X-CUT
WO3 STOPE
VEIN APLITE
DMEA POINT
200 W. LEVEL
200 E
WOTHREE MINES
OLDTIMER'S X-CUT
EXTENSION
SEPT & OCT. 1955
G. B. B.

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

Budget Bureau No. 42-R1036.5

RECEIVED
DEC 19 1955

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

Month of October, 1955 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten
Address P.O.Box 47, Kingman, Arizona
Contract Amount, $ 33,000.00 Government Participation: 75 % Amount, $ 24,750.00

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						
Crosscutting	$1200.00	$1860.00	$3060.00			
Drifting	---	23415.00	23415.00			
Raising	---	1800.00	1800.00			
Sinking	---	3000.00	3000.00			
(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	$1200.00	$30,075.00	$31,275.00	1200.00	30 075.00	31 275.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Oct. 22, 55 *Payee CARL HOVGARD, dba Wothree Mines
Per George B. Blowey Title General Manager

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

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

(Instructions on reverse)

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

$ 650.00

Signature RRC
(Authorized Certifying Officer)

Date 12-14-55 Vou. No. DMA-56-48

(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. Idaho-E632 in accordance with the terms of the contract.

Signature T. M. Kanada Title Mining Engineer Date 11/22/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Tower Title Executive Officer Date NOV 28 1955

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
DEC 19 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 195 5 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona

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	feet	---	---	$23,415.00	780.5	$30.00	780.5	$30.00
Crosscutting & driftg.	"	$1200.00	40	3,060.00	102	$30.00	159.5	$30.00
Raising	"	----	--	1,800.00	60	$30.00	60	$30.00
Shafts								
Winzes	"	----	--	3,000.00	50	$60.00	50	$60.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
					992.5			
TOTAL DISTRIBUTED COSTS		$1200.00	40	$31,275.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		$1200.00	40	$31,275.00				$35,000.00

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.

REMARKS:

Date Oct. 22, 55 Operator Carl Hovgard dba Wothree Mines

Per George B. Blowby Title General Manager

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

(Instructions on reverse)

(For Government use only)

M Romolo

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

400

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

RECEIVED
NOV 18 1955

224 New Customhouse
Denver 2, Colorado

November 15, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 2957 (Tungsten), Contract Idm-E652, Carl Hovgard, Mohave County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of September, 1955.

W. M. Traver

By J. W. Townsend
J. W. Townsend

JWT:yrl
cc: MF-104 E652
Sherm
Sheen.

MF 104 ...
Sept.

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

RECEIVED
NOV 18 1955

224 New Customhouse
Denver 2, Colorado

November 1, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 2957, (Tungsten) Contract Idm-E632, Carl Hovgard, Williams Tungsten Mine (Wothree Mines), Mohave County, Arizona - Operator's Monthly Progress Report, for the period September, 1955

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Reinstate the amount of $250.00 which was withheld from the Operator's January 1955 MF-104 Voucher, as the project work has been resumed.

Remarks

Date of Report- - - - - - - - - - - - - - - - - October 10, 1955
Date Received in Field Office- - - - - - - - October 11, 1955
Date Received in Region Office- - - - - - - October 31, 1955

W. M. Traver

By J. W. Townsend

Enclosures
JDC:jy
cc: MF-104 File E632
Sec. Op. Comm. (2)
Storms Chron.

RECEIVED
NOV 18 1955

Box 4097
Tucson 5, Arizona

October 28, 1955

Memorandum

To : Walter R. Stearns, Superintendent, Southwest Experiment Station, Region III

From : T. M. Romalo, Mining Engineer, Tucson, Arizona.

Subject : Progress Report for September 1955, Docket DMEA-2957, Contract IdM-2632, Carl Hovgard's Williams Tungsten Mine (Wethrow Mines), Mohave County, Ariz.

On October 18, 1955 I visited the Williams mine and inspected pertinent mine workings in the presence of George B. Blemsky, General Manager for Wethrow Mines. I found that work under the contract, during September and October 1955, was confined to the extension of the Old Timers crosscut on the 200 level. The crosscut had been advanced from 115.0 feet to 217.0 feet from the main drift. Of the 102.0 feet of advance, 62.0 feet reportedly was driven during September and the remaining 40.0 feet was completed early in October.

The 102 feet of crosscutting was completed and an 8-foot hole was drilled into the face without encountering any indication of a second vein zone. Rock penetrated consisted mainly of granite and a few narrow dikes.

J. N. Faick, geologist, U. S. Geological Survey, mapped the crosscut October 25, 1955. Results of the mapping indicated that further search for a possible second vein zone is not justified.

The mine was shut down upon completion of the crosscut. At present one man is employed to assist Blemsky in preparing all equipment and supplies for sale.

Royalty payments appear to have been made on all production except for a small amount of concentrates which may be produced from about 60 tons of ore remaining in mine and mill bins. Blemsky says he will attempt to mill this ore before he abandons the property.

CC WMTraver (Orig. & 8)
DMEA-2957
BF

TMRomalo:frj

NOV 1 8 1955

Forms MF-104 and 104A and Operator's Narrative Report

Form MF-104, the cost of $1,860.00 represents the 62.0 feet of authorized advance at $30.00 per foot. Consequently, I recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104. I also recommended that the $250.00 deducted from the Operator's January voucher be withheld pending receipt of the Operator's final voucher for work performed in October and his Final Geologic and Engineering Report.

Form MF-104A - The report has been completed in an acceptable manner.

Narrative Report - The report with attached map is considered adequate.

T. M. Remmle
Mining Engineer
Southwest Experiment Station

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

Budget Bureau No. 42-R1036.5

U. S. BUREAU OF MINES
SOUTHWEST EXPERIMENT STATION
TUCSON, ARIZONA
RECEIVED
NOV 18 1955
OCT 11 1955

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

Month of September, 1955 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten
Address P.O.Box 47, Kingman, Arizona
Contract Amount, $ 33,000.00 Government Participation: 75 % Amount, $ 24,750.00

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						
Crosscutting	$1860.00	----	1,860.00			
Drifting	-----	$23,415.00	$23,415.00			
Raising	-----	1,800.00	1,800.00			
Sinking	-----	3,000.00	3,000.00			
(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	$1860.00	$28,215.00	$30,075.00	1860.00	28215.00	30075.00

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

Date Oct.10,55 *Payee Carl Hovgard, dba Wothree Mines

Per George B. Blonsky Title General Manager

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

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

(Instructions on reverse)

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

$1645.00

Signature [illegible]
(Authorized Certifying Officer)

Date 11-15-55 Vou. No. DMA-56-43

(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-E 632 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date Oct. 21, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

Signature [illegible] Title Executive Officer Date NOV 1 1955

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 872893

Form ME-194A
(April 1952)

Budget Bureau No. 42-R1151.2

U. S. BUREAU OF MINES
SOUTHWEST EXPERIMENT STATION
OCT 11 1955
TUCSON, ARIZONA

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
NOV 18 1955

Month of September 1955 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name Carl Hovgard ,dba Wothree Mines Minerals Tungsten
Address P.O.Box 47, Kingman, Arizona.

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	feet	---	---	$23,415.00	780.5	$30.00	780.5	$30.00
Crosscutting & driftg.	feet	$1860.00	62	1,860.00	62.00	30.00	159.5	$30.00
Raising	feet	---	---	1,800.00	60	30.00	60	$30.00
Shafts								
Winzes	feet	----	---	3,000.00	50	60.00	50	$60.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1860.00		$30,075.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		$1860.00	62	$30,075.00				$33,000.0

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

Date Oct.10,55 Operator Carl Hovgard, dba Wothree Mines

Per George B. Blowty Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

D. Romsb

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
NOV 18 1955

October 10, 1955.

NARRATIVE REPORT FOR THE MONTH OF SEPTEMBER, 1955

on work done on

Contract Idm-2632
Docket DMEA-2957
Williams Tungsten Mine
Mohave County, Arizona.

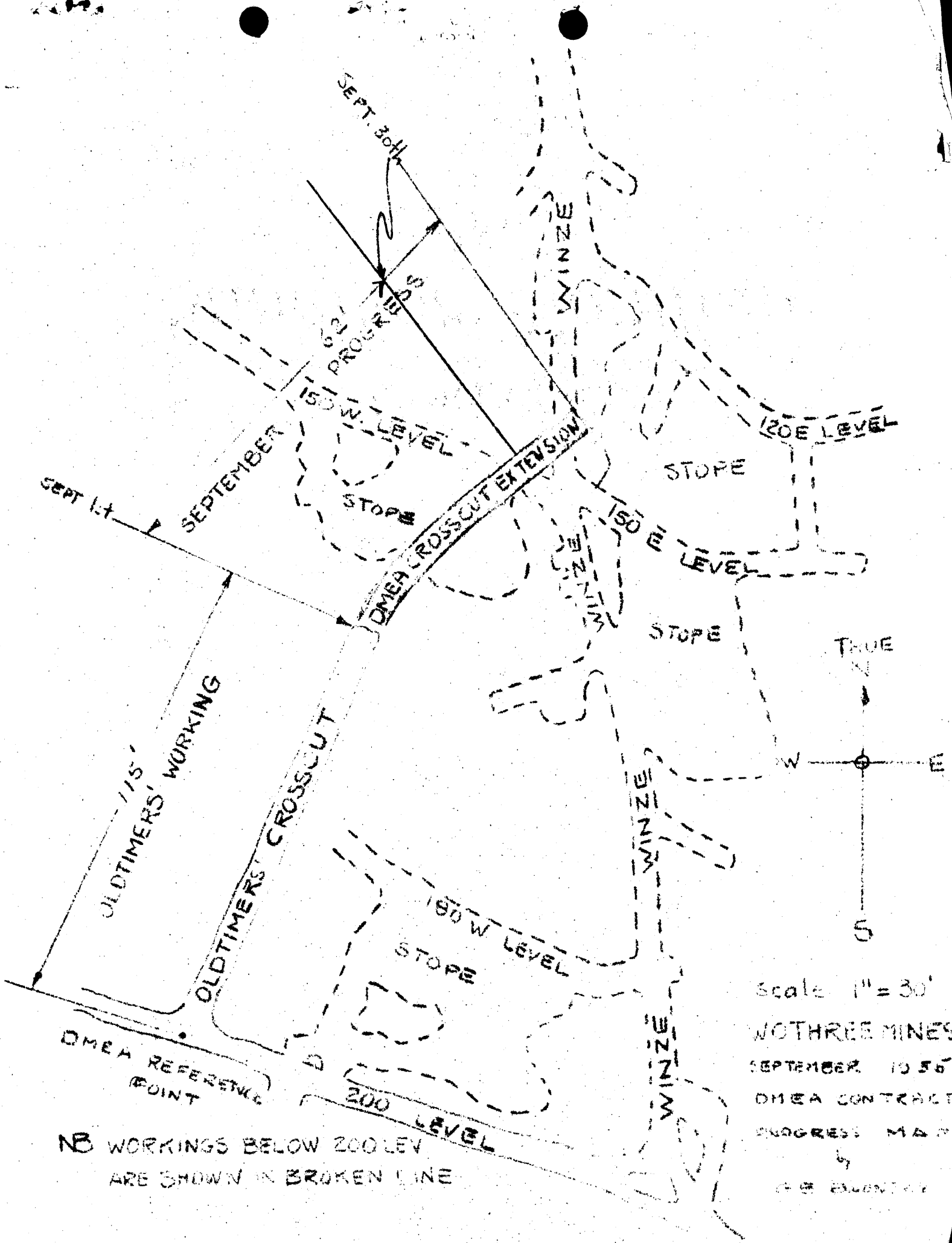
During the month of September 1955 all work done on the above contract was carried out in the extension to the northeast of the Oldtimers' crosscut on 200 level west of the collar of the winze. The work was started at a point in the face of the oldtimers' crosscut 115 feet to the northeast of the reference point, established by the DMEA team in a cap at the intersection of the 200 level drift and the Oldtimers' crosscut. The work was carried to a point 177 feet from the above mentioned starting point,- total advance being 62'. At first a gentle curve was followed, until a general direction of N-80°-E was reached and followed.

First 25' of the crosscut were in pegmatite, which was replaced by dark bluish-grey granite further northeast. Several minor faults and joints were encountered and some of the granite was badly weathered, causing trouble in drilling through too soft material.

For: CARL HOVGARD, dba Wothree Mines

George B. Blonsky

George B. Blonsky
General Manager.



NB WORKINGS BELOW 200 LEV
ARE SHOWN IN BROKEN LINE

295

DEPARTMENT OF THE INTERIOR
Leasing Minerals Administration
RECEIVED
MAR 16 1955

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

Administrative Audit Difference Statement

Date: March 9, 1955
Payee's Reference: January 1955

Carl Howard
1141 Butternut Street
Abilene, Texas

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

Amount Claimed $ 1,220.00

Difference $

Amount Approved * $ 967.50

The reason for the difference was due to:

* $250.00 has been withheld from this payment pending resolution of matters relative to resumption or termination of work.

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

Very sincerely yours,

N. E. Stokes
Audit Section

M7-104
January

R-IV-B & F Form No. 4
4-15-52 D

224 New Customhouse
Denver 2, Colorado

March 1, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632,
Carl Hovgard's Williams Tungsten Mine (Wothree Mines)
Mohave County, Arizona - Operator's Monthly Progress Report for the month of January, 1955

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

An amount of $250.00 is to be withheld from the payment due the operator pending resolution of matters relative to resumption or termination of work.

Remarks:

Date of Report.....February 15, 1955
Date Received in Field Office.....February 21, 1955
Date Received in Region Office.....February 28, 1955

W. M. TRAVER

W. M. Traver

Enclosures

WMT:pw

cc: Subject
Chron
Sec.Op.Comm. (2)
Townsend
Storms

DMEA
Date Rec'd
FEB 22 1955
BUREAU OF MINES
Denver, Colorado

February 21, 1955

Memorandum

To : W. M. Traver, Executive Officer, DMEA Field Team, Region III

From : Superintendent, Southwest Exp. Station, Region III

Subject : January 1955 Progress Report, DMEA Contract Nbr-2632, Docket DMEA-2507, Carl Hoegard's Williams Tungsten Mine (Verdure Mines), Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;
(2) Operator's narrative report with map;
(3) Forms MF-104 and MF-104A.

Also enclosed are 4 extra copies of our engineer's report.

All work was done in accordance with terms of the contract and its amendments. However, as there is a possibility that the operator will ask to have the contract terminated and as no work has been done under the contract since January, I recommend that the Government's share of the January costs be withheld until a final report has been submitted and all royalty payments are up to date.

Walter R. Storms

Walter R. Storms

CC W. M. Traver (3)
DMEA-2507
MF

WRSterms:frj

February 24, 1955

Memorandum

To : Walter R. Stoms, Superintendent, Southwest Experiment Station, Region III

From : T. M. Romslo, Mining Engineer, Region III

Subject : Progress Report for January 1955, Docket BMEA-2957, Contract Km-8632, Carl Hovgard's Williams Tungsten Mine (Westree Mines), Mohave County, Ariz.

The Williams Tungsten mine was visited February 7 to 10, 1955 for the purpose of measuring advance for the months of December and January and to obtain data for recommendations regarding a proposed extension and amendment of the contract. Measurements were taken February 9 with Mr. Blensky, General Manager. The remainder of the period, except for the 8th when I visited the Fountain Head mine of terminated project BMEA-1801X, was spent with J. W. Faick, U. S. Geological Survey, on work connected with the proposed extension and amendment. Bad roads, caused by a heavy snow storm made an earlier visit to the mine inexpedient.

Work authorized by the contract and performed during December and January was confined to extending the 150 west drift. Work in this drift had been stopped by Blensky on January 23 because little ore mineralization had been encountered in the last 100 feet of drift. The face of the drift was at 447 feet from the center of the main winze. At the end of May, when last measured, the face was at 315 feet from the reference point. According to Blensky, 89 of the 132 feet of advance was accomplished during December and the remaining 43 feet was completed in January. A sample (No. 12775) was cut at 320 feet from the winze in the only significant mineralized zone penetrated by the 132 feet of drifting. It had not been assayed at this writing.

Milling of ore from the winze from "O" level stopped December 23 with the freezing of water pipes, had not been resumed. Sixteen of the 22 tons of ore recovered from the winze had been milled. The grade of the ore, based on concentrates produced, was placed at 0.75 percent WO_3 by Blensky. On January 20, mining was started in the ore zone above the winze that had been explored

CC W. H. Traver (Orig. & 8)
BMEA-2957
DF

TMRomslo:frj

under the contract by a 10-foot raise. The middle portion of the ore zone yielded about 20 tons of ore by February 7 when operations were suspended to hoeing of ore to the east of the main winze down the 100 level. Milling of ore will be resumed by one of the 6-man mining crew when about 100 tons is available.

The fourth lot of concentrates, mentioned in the previous monthly report, was not shipped because assays of the ores and flue concentrates averaged less than 2 percent Mg. The grade of the concentrates, as graded by about 20 percent by sorting and magnetic separation, will be raised to plus 25 percent by additional similar processes. Upgrading has lowered the weight of the concentrates from plus 1 ton to about 1,700 pounds. A minimum lot of 1 ton could be available for shipment shortly after milling is resumed.

The status of the contract as of January 31, 1968 is as follows:

	Expenditure	Total
Drifting @ $20.00/ft.	$1,[illegible].00	$22,[illegible].00
Raising @ $20.00/ft.	—	1,000.00
Winze @ $20.00/ft.	—	2,000.00
Total	$1,[illegible].00	$25,[illegible].00
Government's share	507.50	12,[illegible].50

The operator presented forms DT-104 and 104-A on which he claimed reimbursement for the Government's share of the cost of drifting the 25 feet of unmineral drift. His cumulative report with detailed plan of the 100 west drift is considered adequate. No angles were taken by the operator during December and January because possible ore zones were limited to a few widely separated pockets. As work under the contract will be resumed for recovery fines as my memorandum of February 12, 1968, I recommend that the Government's reimbursement for work performed in January be $507.50 less sufficient funds to cover the cost of liquidating the contract.

T. M. Romolo

T. M. ROMOLO
Mining Engineer
Region XIX

MAR 1 8 1955

February 15, 1955.

NARRATIVE REPORT FOR THE MONTH OF JANUARY, 1955

on work done on
Contract IDm-2632
Docket DMEA-2957
Williams Tungsten Mine,
Mohave County, Arizona.

During the month of January all work done on above contract was carried out in the 150 W drift. The face was advanced 43 feet in a westerly direction from a point 404 feet from the spad in the back of the winze to a point 447 feet from the same spad.

Except for the last two rounds the advance was made through barren ground, consisting mainly of silicified granite, silicified aplite, some plain granite and aplite, and also some pegmatitic material containing kidneys of quartz and feldspar. The last two rounds exposed a small vein of mica-quartz, which at first looked somewhat encouraging, but died out in the face. The only feature which persisted through the last couple hundred feet of this tunnel, was the shear, dipping northward at about 25 degrees, which is typical of the Williams Tungsten vein. This shear sometimes becomes a fault, filled with small quantities of sericitic material, and talc and gouge. The pegmatite quartz was of the type which in this locality was never observed as associated with wolframite. It is quite obvious that further advance in this tunnel is not warranted, even though some aplitic material occasionally is encountered.

For: CARL NOVGARD, dba Wothree Mines

George B. Blonsky
George B. Blonsky.
General Manager.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
MAR 1 6 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1955 Docket No. DMEA 2057 Contract No. 10-1632
Operator's Name CARL HOVGARD, dba Mothroo Mines Minerals Tungsten
Address P.O. Box 67, Kingman, Arizona.
Contract Amount, $33,000.00 Government Participation: 75% Amount, $ 24,750.00

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						
Bulldozing						
Crosscutting						
Drifting	$1290.00	$22,125.00	$23,415.00			
raising	----	$ 1,000.00	$ 1,000.00			
stoping	----	$ 3,000.00	$ 3,000.00			
(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	$1290.00	$26,125.00	$28,415.00	* 1290.00	26,925.00	28,215.00

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

Date Febr. 15, 1955 Payee CARL HOVGARD
dba Mothroo Mines
Per G. B. Blowey Title General Manager

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

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

(Instructions on reverse)

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

$ 717.50

Signature Randel R. Cooper
(Authorized Certifying Officer)

Date 3-9-55 Vou. No. DMA-55-68
(See other side)

* $250.00 withheld

(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-E632 in accordance with the terms of the contract.

Signature T. M. Tomalo W.R.H. Title Mining Engineer Date Feb. 24, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Berk.

Signature W. M. Traver Title Executive Officer Date MAR 1 1955

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1955 Docket No. DMEA 2037 Contract No. 100-2632
Operator's Name Gas Royalty, dba Vanadium Mines Minerals Uranium
Address P.O. Box 67, Naturita, Colorado.

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	Feet	$1090.00	63	$23,419.00	780.5	$30.00	875	$30.00
Crosscutting								
Raising	Feet	---	---	1,800.00	60	$30.00	125	$30.00
Shafts								
Winzes	Feet	---	---	5,000.00	50	$100.00	50	$100.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1090.00	63	$30,219.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1090.00	63	$30,219.00				$135,000.00

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 Febr. 19, 1955 Operator Gas Royalty dba Vanadium Mines

Per G. B. Blanky Title General Manager.

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

REMARKS:

(Instructions on reverse)

(For Government use only)

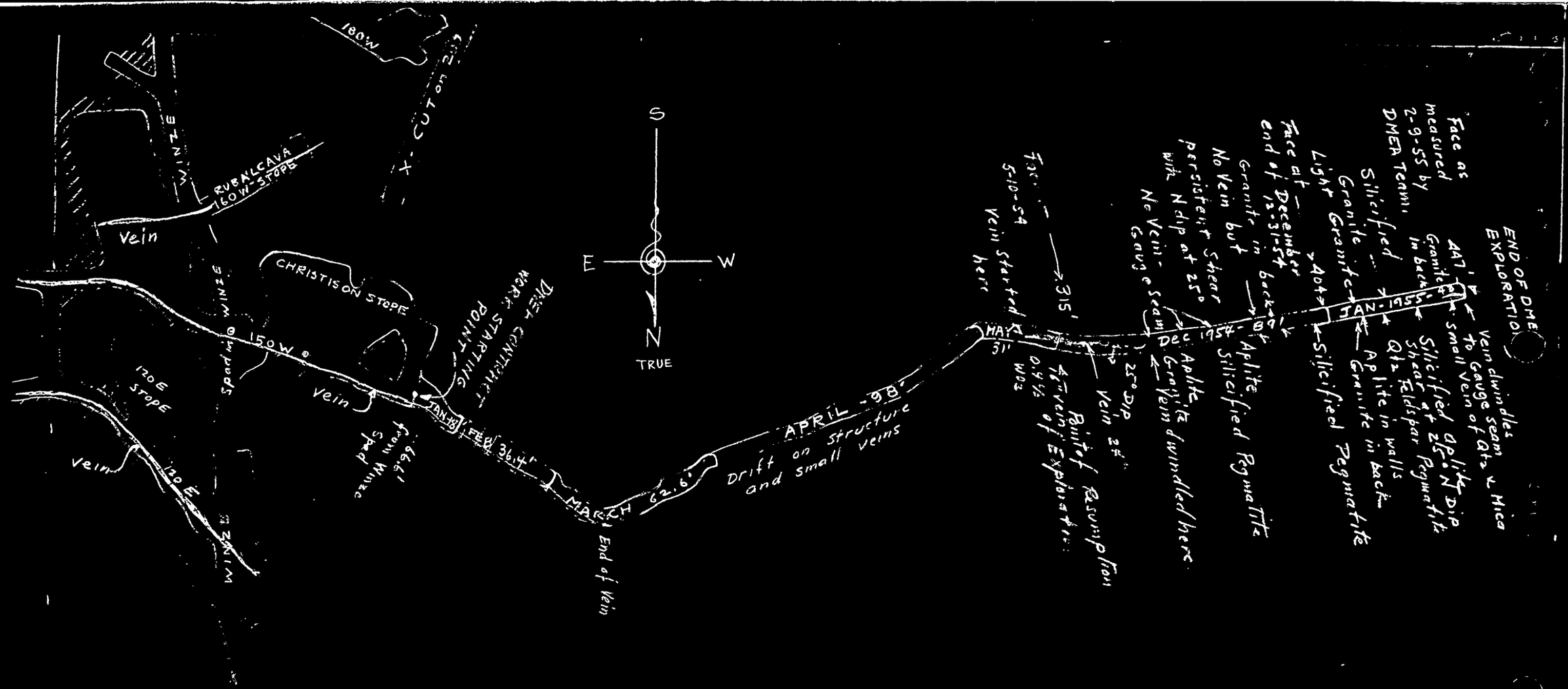
INSTRUCTIONS

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



NB- Brunton Survey

WOTHREE MINES
WILLIAMS TUNGSTEN MINE
DMEA DRIFT - 150 W
PROGRESS TO FEBR 1955
Scale: 1"=30' by G.B.B.
2-15-55
MOHAVE COUNTY ARIZONA

400

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

Defense Minerals Administration
RECEIVED
MAR 1 8 1955

224 New Customhouse
Denver 2, Colorado

February 18, 1955

Memorandum

To: T. A. Christensen

WSM

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard's Williams Tungsten Mine (Wothree Mines), Mohave County, Arizona -- Operator's Monthly Progress Report for the period December 1954

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report.....Jan. 14, 1955
Date Received in Field Office....Jan. 25, 1955
Date Received in Region Office...Feb. 18, 1955

W. M. Traver

Encls.

RDB: jp
cc Subject
Chron
Sec. Op. Comm. (2)
Storms

December
MF-104

February 15, 1955

Memorandum

To : W. M. Traver, Executive Officer, DMEA Field Team, Region III

From : Superintendent, Southwest Exp. Station, Region III

Subject : December 1954 Progress Report, DMEA Contract Idm-8613, Docket DMEA-2957, Carl Hovgard's Williams Tungsten Mine (Wechree Mines), Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;
(2) Operator's narrative report with sections across the drift;
(3) Forms MF-104 and MF-104A.

Also enclosed are 4 extra copies of our engineer's report.

As all work is in accordance with terms of the contract and its amendments, I recommend that the Government's share of the costs be paid.

The operator's report was received on January 20, but a Bureau of Mines engineer was unable to visit the mine before February 7 because of snow.

Walter R. Storms

Walter R. Storms

CC W. M. Traver (8)
DMEA-2957
DF

WRStorms:frj

Memorandum February 15, 1955

To : Walter R. Storms, Superintendent, Southwest Experiment Station, Region III

From : T. M. Romslo, Mining Engineer, Region III

Subject : Progress Report for December 1954, Docket DMEA-2957, Contract Idm-E632, Carl Hovgard's Williams Tungsten Mine (Wethree Mines), Mohave County, Ariz.

The Williams Tungsten mine was visited February 7 to 10, 1955 for the purpose of measuring advance for the months of December and January and to obtain data for recommendations regarding a proposed extension and amendment of the contract. Measurements were taken February 9 with Mr. Blonsky, General Manager. The remainder of the period, except for the 8th when I visited the Fountain Head mine of terminated project DMEA-1801X, was spent with J. N. Faick, U. S. Geological Survey, on work connected with the proposed extension and amendment. Bad roads, caused by a heavy snow storm made an earlier visit to the mine inexpedient.

Work authorized by the contract and performed during December and January was confined to extending the 150 west drift. Work in this drift had been stopped by Blonsky on January 23 because little ore mineralization had been encountered in the last 100 feet of drift. The face of the drift was at 447 feet from the center of the main winze. At the end of May, when last measured, the face was at 315 feet from the reference point. According to Blonsky, 89 of the 132 feet of advance was accomplished during December. A sample (No. 12775) was cut at 320 feet from the winze in the only significant mineralized zone penetrated by the 132 feet of drifting. It had not been assayed at this writing.

Milling of ore from the winze from "0" level stopped December 23 with the freezing of water pipes, had not been renewed. Sixteen of the 22 tons of ore recovered from the winze had been milled. The grade of the ore, based on concentrates produced, was placed at 0.75 percent WO_3 by Blonsky. On January 28, mining was started in the ore zone above the winze that had been explored

CC W. M. Traver (Orig. & 8)
DMEA-2957
DF

TMRomslo:frj

under the contract by a 10-foot raise. The minable portion of the ore zone yielded about 30 tons of ore to February 7 when operations were transferred to steping of ore to the east of the main winze above the 150 level. Milling of ore will be resumed by some of the 6-man mining crew when about 100 tons is available.

The fourth lot of concentrates, mentioned in the previous monthly report, was not shipped because assays of the coarse and fine concentrates averaged less than 50 percent WO_3. The grade of the concentrates, up-graded to about 58 percent by roasting and magnetic separation, will be raised to plus 60 percent by additional similar treatment. Up-grading has lowered the weight of the concentrates from plus 1 ton to about 1,700 pounds. A minimum lot of 1 ton should be available for shipment shortly after milling is resumed.

The status of the contract as of December 31, 1954 is as follows:

	December	Total
Drifting @ $30.00/ft.	$2,670.00	$19,455.00
Raising @ $30.00/ft.	-----	1,800.00
Winze @ $60.00/ft.	-----	3,000.00
Total	$2,670.00	$26,925.00
Government's share	$2,202.50	$20,193.75

The operator has presented forms MF-104 and 104A on which he claims reimbursement for the Government's share of the costs of 89 feet of authorized drifting. His narrative report is considered adequate but should have been supported with a plan map of the advance instead of cross sections. He has promised to include a plan map with next months report. The Government should reimburse the operator for its full share of December costs as records show royalties have been paid on all reported shipments of concentrates.

The operator has applied for a 3-month extension of the contract from January 30, 1955 and for permission to transfer some of the authorized footage to more favorable sites. As you know, a memorandum from this office of February 15 contained a recommendation of the proposed extension of the contract but withheld recommendation of the amendment pending the operator's final decision as to future plans. Blonsky said that the decision, either to continue explorations or limit operations to the mining and milling of all readily accessible ore, will be contained in a letter that should be received by the

DMEA within a few weeks. The probability is that the operator will request termination of the contract. Consequently, next month's progress report probably will recommend that a portion of the Government's share of costs for January should not be paid until receipt of the operator's final report.

T. M. Remslo
Mining Engineer
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1955

U. S. BUREAU OF MINES
MINING DIVISION
JAN 20 1955
TUCSON, ARIZONA

January 14, 1955.

NARRATIVE REPORT FOR THE MONTH OF DECEMBER, 1953

on work done on
Contract Idm-E632
Docket DMEA-2957
Mohave County, Arizona
Williams Tungsten Mine.

During the month of December, 1954, Wothree Mines' efforts in connection with the DMEA Exploration Contract Idm-E632 on Williams Tungsten Mine were concentrated on the preparation for and actual further extension of the 150W drift. At first the old 150 W drift had to be widened somewhat in places to allow the use of our mucking machine. Also some retimbering had to be undertaken, as during the 4 months' shutdown several small caves developed. Besides, this drift, due to its considerable length, required ventilation pipe and blower, which were acquired and installed. When all the above preparatory work was completed, we managed to obtain a fair daily progress.

The geology at the face of this drift at station 312.6 W, where we resumed our exploration in December, was encouraging showing a newly opened up small vein, which upon surveying gave several indications of being a downward extension of a vein found outcropping on the westend of the property, 240' higher and some 480' up a 25° slope from the exposure at the 312.6' W point in the 150 W drift. The assays of 4 samples of the vein in the face averaged 0.40% WO_3 and proved that at this location this vein was tungsten bearing, though not in commercial quantities.

Our December work on extension of this drift proved rather disappointing. Though the first round widened the vein from average width of 12" to the average width of 18", the next two rounds showed reduction of the vein width and splintering on the south side. The next two rounds reduced mineralization of the face to a wedgeshaped body of about 6" on the southwall, tapering to nothing towards the northwall. Further advance of the drift failed to show any true vein matter, but structure persisted. Actually at point 312.6 W, where we resumed work, our vein was tightly held in granite walls. With progress westwards this granite was replaced with aplite, which shortly thickened and persisted in appearing in practically every section. As all occurrences of wolframite in this mine are in aplite, this was considered encouraging. On the other hand, comparatively strong dikes of quartz feldspar pegmatite replaced granite and became main ingredient of the material drifted through. Pegmatite in Williams Tungsten mine is practically never associated with wolframite and so its

DMEA within a few weeks. The probability is that the operator will request termination of the contract. Consequently, next month's progress report probably will recommend that a portion of the Government's share of costs for January should not be paid until receipt of the operator's final report.

T. M. Remsle
Mining Engineer
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1955

U. S. BUREAU OF MINES
MINING DIVISION
JAN 20 1955
TUCSON, ARIZONA

January 14, 1955.

NARRATIVE REPORT FOR THE MONTH OF DECEMBER, 1953

on work done on
Contract Idm-E632
Docket DMEA-2957
Mohave County, Arizona
Williams Tungsten Mine.

During the month of December, 1954, Wothree Mines' efforts in connection with the DMEA Exploration Contract Idm-E632 on Williams Tungsten Mine were concentrated on the preparation for and actual further extension of the 150W drift. At first the old 150 W drift had to be widened somewhat in places to allow the use of our mucking machine. Also some retimbering had to be undertaken, as during the 4 months' shutdown several small caves developed. Besides, this drift, due to its considerable length, required ventilation pipe and blower, which were acquired and installed. When all the above preparatory work was completed, we managed to obtain a fair daily progress.

The geology at the face of this drift at station 312.6 W, where we resumed our exploration in December, was encouraging showing a newly opened up small vein, which upon surveying gave several indications of being a downward extension of a vein found outcropping on the westend of the property, 240' higher and some 480' up a 25° slope from the exposure at the 312.6' W point in the 150 W drift. The assays of 4 samples of the vein in the face averaged 0.40% WO_3 and proved that at this location this vein was tungsten bearing, though not in commercial quantities.

Our December work on extension of this drift proved rather disappointing. Though the first round widened the vein from average width of 12" to the average width of 18", the next two rounds showed reduction of the vein width and splintering on the south side. The next two rounds reduced mineralization of the face to a wedgeshaped body of about 6" on the southwall, tapering to nothing towards the northwall. Further advance of the drift failed to show any true vein matter, but structure persisted. Actually at point 312.6 W, where we resumed work, our vein was tightly held in granite walls. With progress westwards this granite was replaced with aplite, which shortly thickened and persisted in appearing in practically every section. As all occurrences of wolframite in this mine are in aplite, this was considered encouraging. On the other hand, comparatively strong dikes of quartz feldspar pegmatite replaced granite and became main ingredient of the material drifted through. Pegmatite in Williams Tungsten mine is practically never associated with wolframite and so its

appearance was considered as a discouraging factor. On the other hand, the structure with its shear at a small dip from south to the north was extremely persistent, ever since we resumed driving the 150W drift. Also both aplite and pegmatite appear extensively silicified and in many places completely replaced by masses of dullish white quartz, indicating considerable mineralizing action and alteration along the shear zone followed. The absence of true vein matter, consisting of clearer, livlier and more fractured quartz bearing disseminated mica masses and some wolframite crystals, of course was very disappointing.

Up to the point about 340' W from the winze we had some true vein in the face. Also the vein was rather close to the floor of the drift; as we advanced further, by turning our drift slightly to the south, we managed first to raise the hanging wall contact with granite into the upper right corner of the face and later even to uncover footwall granite contact in the lower left corner of the face.

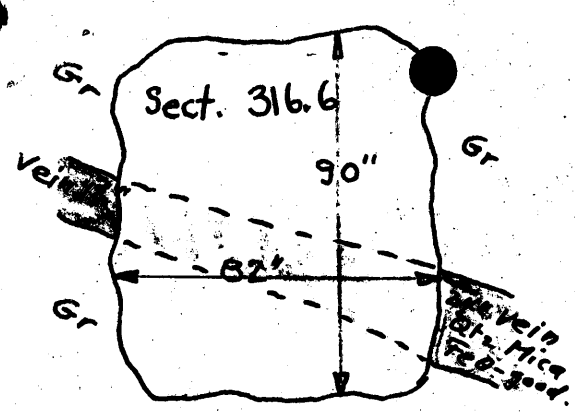
The above seems to indicate that further drifting on structure is fast becoming a matter of diminishing returns, as far as possibilities of uncovering further orebodies are concerned. Our DMEA Contract provides for a raise above the 150W drift at the best promising point agreeable to the DMEA Field Team. We are inclined to think that such a point has been reached at or near section 316.6 W. The vein exposed at this point was drifted upon from a little before section 306.6 to a little after section 336.6 or say for 35' to 40'. There is a possibility that this is an exposure of the lowest tip of the vein outcropping for over 200' some 460' up and south westwards. Very few rounds may prove that the vein exposed has no continuity on the dip, but this is not established as fact so long as this raise contracted for has not been started. Therefore we would like to have a member of DMEA team to see our situation for himself at his earliest convenience and to settle this matter of the raise.

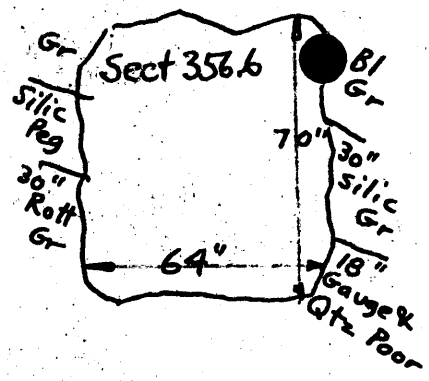
At his last visit to our property Mr. W.Hardwick hoped to be able to revisit us by January 15th, but unfortunately weather conditions are preventing this, as they marooned even us at the camp for the last several days.

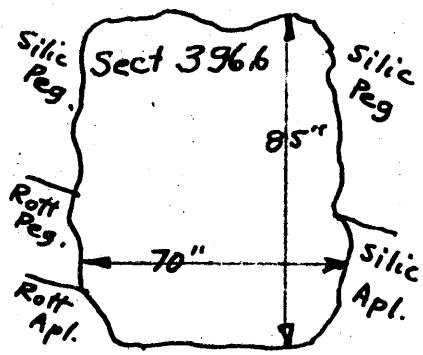
For: CARL HOVGARD, dba Wothree Mines.

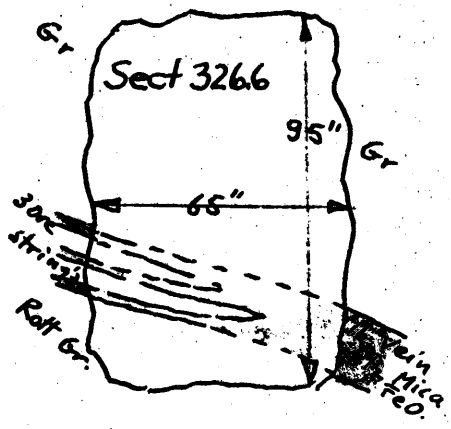
George B. Blonsky

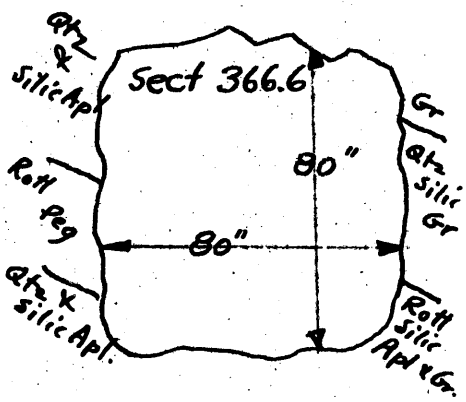
George B. Blonsky.
General Manager.

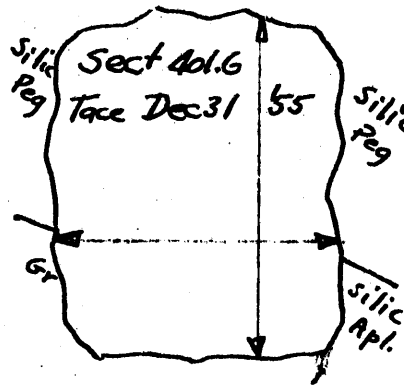


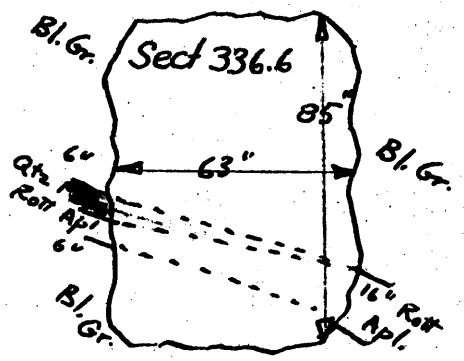


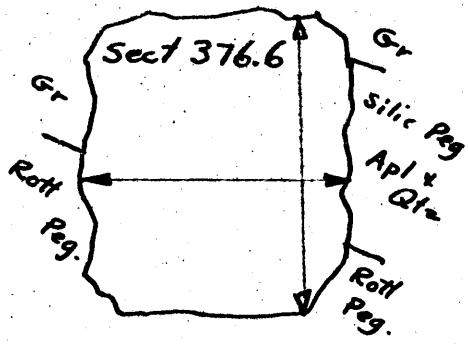


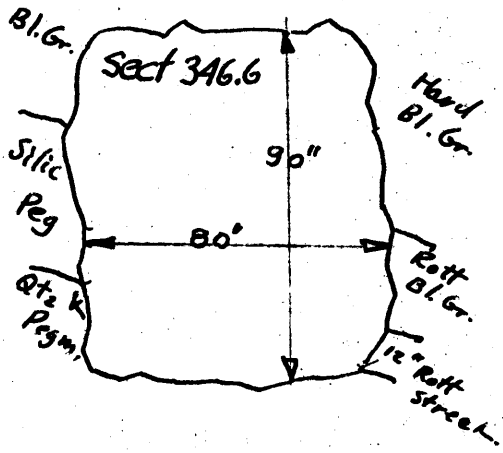


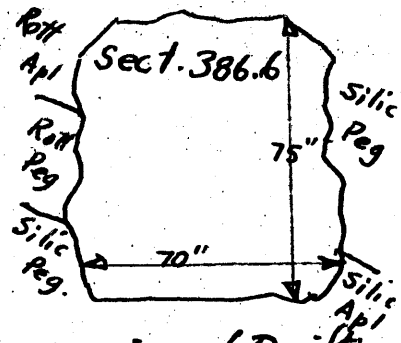












Bearing of Drift:
S-65-W Magnetic.

WOTHREE MINES
WILLIAMS TUNGSTEN MINE
DMEA DRIFT 150-W
DECEMBER 1954 ADVANCE
Scale 1" = 50" by G.B.B.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
MAR 1 8 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December 1954 Docket No. DMEA 2957 Contract No. Ion-E632
Operator's Name EARL HOVGARD, dba Nothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona
Contract Amount, $ 55,000.00 Government Participation: 75 % Amount, $ 24,750.00

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						
Crosscutting						
Drifting	$2670.00	$19,455.00	$22,125.00			
Raising	----	1,800.00	1,800.00			
Sinking	----	3,000.00	3,000.00			
(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 $	2670.00	24,255.00	26,925.00	2670.00	24,255.00	26,925.00

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

Date Jan. 14, 55 *Payee Earl HOVGARD, dba Nothree Mines

Per George B. Blowsky Title General Manager.

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

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

(Instructions on reverse)

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

$ 2002.50

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 2/24/55 Vou. No. DMA-55-65

(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-E632 in accordance with the terms of the contract.

Signature D. M. Pemble W.R. Title Mining Engineer Date Feb. 15, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Berk.

Signature W. M. Weaver Title Executive Officer Date FEB 18 1955

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 2037 Contract No. [illegible]
Operator's Name [illegible] Minerals
Address P.O. Box 67, [illegible]

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	Foot	[illegible]	[illegible]	[illegible]	737.5	[illegible]	675	[illegible]
Crosscutting								
Raising	Foot	---	--	[illegible]	[illegible]	[illegible]	125	[illegible]
Shafts	Foot	---	--	[illegible]	[illegible]	[illegible]	50	[illegible]
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		[illegible]	[illegible]	[illegible]				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		[illegible]	[illegible]	[illegible]				[illegible]

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 Jan. 14, '55 Operator [illegible]

Per George B. Blowey Title General Manager.

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

Remarks:

(Instructions on reverse)

(For Government use only)

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

408

224 New Customhouse
Denver 2, Colorado

January 27, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 2957, (Tungsten), Idm-E632, Carl Havgard's Williams Tungsten Mine, Mohave County, Arizona

WSM

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of November, 1954.

W. M. TRAVER

Enclosures

W. M. Traver

pw

MF-104
Now

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

224 New Customhouse
Denver 2, Colorado

January 6, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard's Williams Tungsten Mine (Wothree Mines), Mohave County, Arizona Operator's Monthly Progress Report for the period November, 1954

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	December 14, 1954
Date Received in Field Office	?
Date Received in Region Office	January 6, 1955

W. H. King

W. H. King

Enclosures

Copy to: Secretary to Operating Committee (2)
W. R. Storms
Docket

Chron

RDB:ld

January 3, 1955

Memorandum

To : W. H. King, Executive Officer, RMEA Field Team

From : Superintendent, Southwest Experiment Station

Subject : November 1954 Progress Report, RMEA Contract Idm-2632, Docket RMEA-2857, Carl Hovgard's Williams Tungsten Mine, (Ventures Mines), Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report with map;

(3) Forms MF-104 and MF-104A.

Also enclosed are four extra copies of our engineer's report.

As all work is in accordance with terms of the contract and its amendments, I recommend that the Government's share of the costs be paid.

Walter R. Storms

Walter R. Storms

CC W. H. King (8)
RMEA-2857
DF

WRStorms:frj

December 29, 1954

Memorandum

To : Walter R. Stearns, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : William R. Hardwick, Mining Engineer, Tucson, Ariz.

Subject : Progress Report for November 1954, Docket DMEA-3267, Contract DMe-3412, Carl Norgard's Williams Tungsten Mine (Ventures Mine), Mohave County, Ariz.

The Williams tungsten mine was visited on December 21, 1954. George Kimmsby, General Manager, was at the mine and assisted in measuring the progress for November.

During November 1954, a winze, 50 feet deep, was sunk below the "Q" level as provided by Amendment No. 2. The winze was sunk on the dip of the vein, which is about 17 degrees at this point. The vein averaged 15 inches thick for the first 25 feet below the "Q" level and 8 inches thick for the bottom 25 feet. A sample (No. 18048) was cut at 25 feet; assay results are not yet available. The operator mined the ore from the winze carefully and will run this ore through his concentrating plant and measure the amount of wolframite recovered.

The operator may employ six men. Some ore has been concentrated and three lots of concentrates have been sold. A fourth lot is ready for shipment. The concentrates sold to GSA were as follows:

Net Dry Lbs.	S.I.U. WO3	Value	Royalty
2,344.4883	72.4354	$4,251.91	$319.10
2,158.7804	72.3735	4,350.53	$27.98
2,736.3130	68.1381	4,736.75	$28.84
	236.9410	$14,738.15	$376.92

This operator now is pushing exploration under the contract. The status of the contract as of November 30, 1954 is as follows:

CC W. H. King (Orig. & 3)
DMEA-29 W
RF

WRHardwick:fr;

	November	Total
Drifting @ $30.00/ft.	-	$18,455.00
Raising @ 30.00/ft.	-	1,800.00
Winze @ 60.00/ft.	$3,000.00	3,000.00
Total	3,000.00	$24,255.00
Government's Part	2,250.00	18,191.25

The operator has presented forms MF-104 and MF-104A on which he claims reimbursement for the Government's agreed part of the cost of the 50 feet of winze that was completed in November 1954. This winze is in accordance with the provisions of the contract and is approved. It is recommended that the operator be paid, if all royalty payments to the Government are up to date.

The time fixed for the completion of this contract is January 30, 1955. The operator expects to complete the drifting on the 150-level by the end of January but probably will be unable to complete the 50-foot raise above this level. It will probably be necessary to extend the time if all work provided by the contract is to be completed.

William R. Hardwick

William R. Hardwick, Mining Engineer
Mining Division, Region IV
Mining Methods Branch

December 14, 1954.

PROGRESS REPORT FOR THE MONTH OF NOVEMBER, 1954

on work done on
Consent 24n-1054
Doctor 24n-2057
Williams Tungsten Mine
Mohave County, Arizona.

During the month of November the underground work done consisted of sinking a 50 ft. winze below the 50' drift of a point just below the 24n raise driven earlier above this drift.

The 50 foot centerpost for ore completed and 35 tons of ore were received for milling. This ore will be milled in the next few days and then the actual shipment figures will show the average grade of ore produced.

The geology exposed by this exploration winze is as follows: The vein is very flat, dipping at 17 degrees with the horizontal. The direction of the winze is NNW. Both hanging and footwall of the winze are in schist and several test holes in the hanging, drilled up to seven feet long, drilled to reach granite. The vein matter varied in width from 8" to 0" and in several places showed highgrade wolframite mineralization. The upper 25' of the winze produced 20 tons of ore, while the lower half gave us only 10 tons, this happened because the vein narrowed and pinched and also because the ore failed to stay in the back, when the waste was shot from under it. The ore actually received has all appearance of being of good grade, but we cannot give final report until we have it milled.

The dip of the vein swung abruptly to the right as we got past the 25 ft. mark. This probably accounts for the comparative richness of our working. At three points small faults were observed, but displacement of ore was insignificant, and exposed locally mainly in certain apparent steepening of the dip.

At the present time the ore is taking a steep dip towards and above signs of widening, but the valuable strout of the east side of the face is split into two smaller veinlets with apparently barren granite and aplite between them.

The upper 40' of the winze were quite dry, but the bottom 10' are making sufficient water to make a pool about 20" deep over a two-day weekend.

For: GAIL EDWARD, dba Wolfram Mines

George B. Blonsky
George B. Blonsky
General Manager.

U. S. BUREAU OF MINES
MINING DIVISION
DEC 17 1954
TUCSON, ARIZONA

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 November, 1954 Docket No. DMEA 0037 Contract No. Idm-2633
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $ [illegible] Government Participation: 7% 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						
Bulldozing						
Crosscutting						
Drifting	—	[illegible]	[illegible]			
Raising	—	1,000.00	1,000.00			
Other Stoping	[illegible]	—	[illegible]			
(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]	[illegible]			

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

Date Dec. 14, 1954 *Payee [illegible]

Per George B. Blosky Title General Manager

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

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

(Instructions on reverse)

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

$ 2250.00

Signature Randall R. Carpenter
(Authorized Certifying Officer)

Date 1-7-55 Vou. No. DMA-55-53

(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. dmp-F632 in accordance with the terms of the contract.

Signature William B. Hardwick Title Mining Engr. Date 12/27/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. S. King Title Executive Officer Date JAN 6 1955

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 195 4 Docket No. DMEA 2057 Contract No. IC[illegible]-2633

Operator's Name Carl Hoyard, dba Wolfroo Mines Minerals Tungsten

Address P.O. Box 47, Kingman, Arizona.

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	feet	---	---	$19,455.00	640.5	30.00	675	$30.00
Crosscutting								
Raising	feet	---	---	$1,300.00	60	30.00	125	$30.00
Shafts								
Winzes	feet	$3,000.00	50	$3,000.00	50	60.00	50	$60.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		$3,000.00	50	$24,055.00			Total Costs Authorized by Contract	
Operating Equipment Purchased							[illegible]	
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$3,000.00	50	$24,055.00			$50,000.00	

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 Dec. 14, '54 Operator Carl Hoyard dba Wolfroo Mines

Per George B. Blanky Title General Manager

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

Remarks:

(Instructions on reverse)

(For Government use only)

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

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

402

224 New Customhouse
Denver 2, Colorado

December 20, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 2957 (Tungsten), Contract Idm-E632, Carl Hovgard (Wothree Mines), Mohave County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of October 1954.

W. H. King

Encls.

MF-104
Oct. 1954

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

224 New Customhouse
Denver 2, Colorado

December 2, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard's Williams Tungsten mine (Worthree Mines) Mohave County, Arizona. Operator's Monthly Progress Report for the period October 1954.

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	November 13, 1954
Date Received in Field Office	November 15, 1954
Date Received in Region Office	December 1, 1954

W H King
W. H. King

Enclosures

RDB:dm

cc: Sec., Oper. Comm. (2)
Subject
WRStorms
Chron

November 29, 1954

Memorandum

To : W. H. King, Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : October 1954 Progress Report, DMEA Contract Ida-2632, Docket DMEA-2957, Carl Hovgard's Williams Tungsten Mine (Westbrec Mines), Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report;

(3) Forms MF-104 and MF-104A.

Also enclosed are 4 extra copies of our engineer's report.

The operator's report was received in the Tucson office on November 15, but was held here until Hardwick could visit the mine and check progress.

As all work is in accordance with terms of the contract and its amendments, I recommend that the Government's share of the costs be paid.

Walter R. Storms

Walter R. Storms

CC W. H. King (8)
DMEA-2957
BF

WRStorms:frj

November 29, 1954

Memorandum

To : Walter R. Stamm, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : William R. Hardwick, Mining Engineer, Tucson, Ariz.

Subject : Progress Report for October 1954, Docket RMSA-2857, Contract IdM-E633, Carl Hougard's Williams Tungsten Mine (Mothers Mines), Mohave County, Ariz.

The Williams Tungsten mine was visited on November 23, 1954. George Kleasby, General Manager, was at the mine and assisted in measuring the progress.

This contract was inactive from June 1, 1954 to October 1, 1954. According to the operator, work was resumed on October 14, 1954. When the mine was visited on November 23, 1954 the operator had driven a short raise above the bottom of the main winze as provided in Amendment No. 2 and was sinking a winze on the "D" level.

The operator reports that 10 feet of the raise was completed in October. This raise is in accordance with the provisions of Amendment 2 and is approved.

The status of the contract as of October 31, 1954 is as follows:

	October	Total
Drift, @ 30.00/ft.	—	$19,455.00
Raise, @ 30.00/ft.	$300.00	1,800.00
Winze, @ 60.00/ft.	—	—
Total	$300.00	$21,255.00
Government's part	$225.00	$15,918.75

The operator now has six men employed. In the first part of October, the mill was operated part time and some tungsten concentrates were produced.

The 10 feet of raise that was completed in October discovered a narrow vein of tungsten ore that the operator does not consider commercial at present.

It is recommended that the operator be paid for the Government's agreed part of the costs of the work that was completed in October, or $225.00

cc W. H. King (Orig. & 3)
RMSA-2857
RF WHardwick:fr:j

This contract will expire on January 30, 1955.

William R. Hardwick

William R. Hardwick, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1954

November 12, 1954.

NARRATIVE REPORT FOR THE MONTH OF OCTOBER, 1954,

on work done on
Contract Idm-E632
Docket DMEA-2957
Williams Tungsten Mine
Mohave County, Arizona.

During the month of October work was resumed on above contract. On October 7th the Government approved Contract Amendments were mailed to the writer, who received them on October 11th. Authorization by the Home Office of Wothree Mines reached the mine by October 14th and preparatory work began immediately. Unfortunately, the miners who were on call for early in October, had dispersed and were out of the state. This caused further delay in getting the crew together.

When actual underground work began, before the raising could be started, we had to remove the broken ore from the winze and the pocket, as otherwise waste from the proposed raise near the bottom of the inclined winze would be mixed with the available millable ore. Considerable slushing and tramming was involved and when this was completed and the miners set up for their first round of drilling, the starting engine on the compressor broke down. A bolt holding the con-rod bearings together crystallized and failed, demolishing one piston, one con-rod and two bearing inlays. Obtaining of spare parts caused further delay. Therefore, no more than 10 feet of actual raising was accomplished during the month of October.

The geology exposed by the raise near the bottom of the winze is as follows: The first round, which was only 2' long, exposed aplite of which one foot was mineralized and oxydized, containing hematite, mica, soft weathered aplite and some wolframite in occasional pieces up to 2" thick. On the whole this occurrence cannot be considered commercial. Next round, which was 4' long, exposed hard and blocky aplite, but no mineralization. The last round, also 4' long, removed another 2 to 3' of aplite and from 2 to 1' of very hard pink granite. In the face we have exposed some of the pink granite, which is very dense and silicified, and also some regular gray granite, which apparently is a little softer. It is our belief that at this place we have completely crossed the aplitic formation, having exposed but little of mineralization of no commercial value and that therefore further work in this raise is no more warranted. We have suspended further operation in this raise until the DMEA officer's inspection.

We are now engaged in sinking the winze below the "O"E drift.

For: CARL HOVGARD, dba Wothree Mines

George B. Blonsky

George B. Blonsky.
General Manager.

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

Budget Bureau No. 42-R1036.4
Approval Expires 30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 6 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1954 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name CARL HOVGARD, dba Wothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona
Contract Amount, $33,000.00 Government Participation: 75% Amount, $24,750.00

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						
Crosscutting						
Drifting	-----	$19,455.00	$19455.00			
Raising	$300.00	$1500.00	$1800.00			
(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	$300.00	20,955.00	$21,255.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Nov. 13, 54 *Payee CARL HOVGARD, dba Wothree Mines
Per George B. Blounty Title General Manager.

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

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

(Instructions on reverse)

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

$225.00

Signature
(Authorized Certifying Officer)
Date 12/9/54 Vou. No. 55-39
(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] 632 in accordance with the terms of the contract.

Signature William R. Hardwick Title Mining Engr Date 11/29/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer Date DEC 2 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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1954 Docket No. DMEA 2957 Contract No. Idm-5632
Operator's Name Carl Howard, dba Mothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona.

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	---	----	---	$19,455.00	642.5	$30.00	875	$30.00
Crosscutting								
Raising	2204	$300.00	10	1,800.00	60.0	$30.00	125	$30.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$300.00	10	$21,255.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$300.00	10	$21,255.00				$33,000.00

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 November 15, 54 Operator Carl HOWARD dba Mothree Mines

Per George B. Blonsky Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

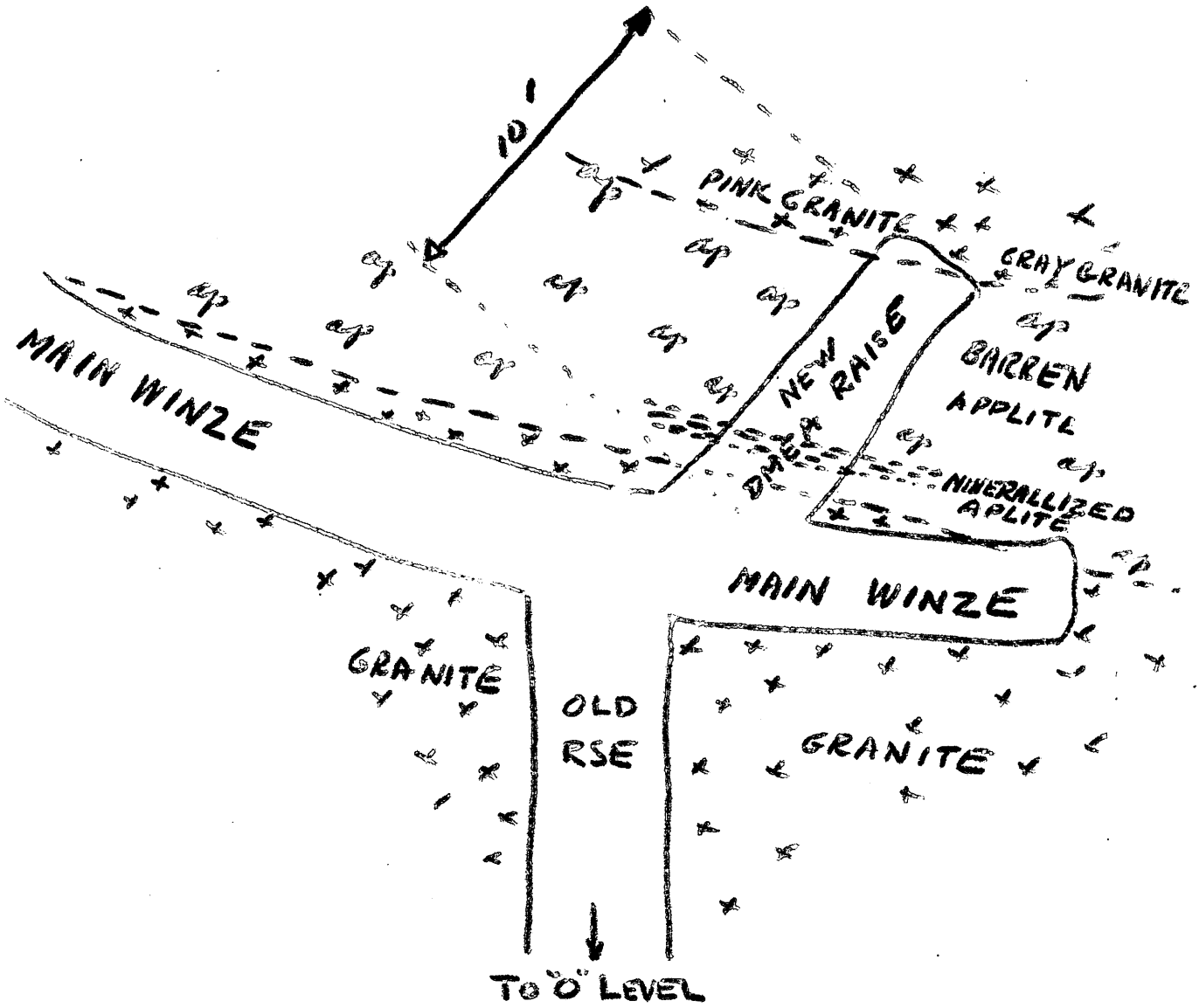
INSTRUCTIONS

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

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

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

GPO 83-38475



WOTHREE MINES

WILLIAMS TUNGSTEN MINE

OCTOBER 1954 ADVANCE

DNEA RAISE NEAR BOTTOM OF MAIN WINZE

by G.B.B.

Carl Hovgaard - dba Wothree Mine. DMEA2957

Idm - E632

Cost $33,000.00 Gov't $24,750.00

	Zero Level Drifting and Raising		120' Level Drifting and Raising		150' Level Drifting and Raising		Raise from Winze	Total This Month	To Date
	30.00 per foot Total	100 Drift 50 Raise	30.00 per foot 375' Drifting	50' Raising	30.00 per foot 450' Drifting	50 Raising	30.00/foot 2.5' Raising		
December	100 D	3000.00						3000.00	3000.00
January			18 D	540.00	18 D	540.00		1080.00	4080.00
February	33.66 R	1009.80	38 D	1140.00	36 D	1092.00		3241.80	7321.80
March	16.34 R	490.20	77.5 D	2325.00	62.6 D	1878.00		4693.20	12,015.00
April			124 D	3720.00	98 D	2940.00		6660.00	18,675.00

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

400

224 New Customhouse
Denver 2, Colorado

June 23, 1954.

WSM

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard's Williams Tungsten Mine (Wothree Mines), Mohave County, Arizona.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of May 1954.

W. H. King

W. H. King

Enclosures

MF 104 May

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

224 New Customhouse
Denver 2, Colorado

June 21, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard's Williams Tungsten Mine (Wothree Mines), Mohave County, Arizona. Operator's Monthly Progress Report for the period May 1954.

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	June 12, 1954.
Date Received in Field Office	June 16, 1954.
Date Received in Region Office	June 21, 1954.

W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
WRStorms
Chron.

June 18, 1954

Memorandum

To : W. H. King, Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : May 1954 Progress Report, RMKA Contract Ida-R632, Docket RMKA-2057, Carl Hovgard's Williams Tungsten Mine (Wethree Mines), Mohave County, Ariz.

Enclosed in quintuplicate are

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report with maps;

(3) Forms MF-104 and MF-104A.

Also enclosed are 3 extra copies of our engineer's report.

As all work is in accordance with the terms of the contract, I recommend that the Government's share be paid.

Walter R. Storms

Walter R. Storms

CC W. H. King (7)
RMKA-2057
MF

WRStorms:frj

June 18, 1954

Memorandum

To : Walter R. Storms, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : William R. Hardwick, Mining Engineer, Tucson, Ariz.

Subject : Progress Report for May 1954, Docket DMEA-2097, Contract Idm-2532, Carl Hovgard's Williams Tungsten Mine (Wetherse Mines), Mohave County, Ariz.

The Williams Tungsten Mine was visited on May 26-28, 1954 by John M. Faick, geologist, U. S. Geological Survey, and the undersigned engineer. Mr. George B. Hartley, general superintendent, was present and assisted in measuring the progress for May. A narrative report, Forms MF-104 and MF-104A, and maps were received in the Tucson office of the U. S. Bureau of Mines on June 16, 1954.

During May the face of the 120 East drift was advanced to a point 328 feet from the winze for a net gain of 45 feet. The 130 West drift was advanced 31 feet to a point 315 feet from the winze.

The vein in the 120 East drift was very narrow and did not reach a minable thickness at any time during the month. The 130 West drift followed a fault plane for most of the distance. When the face was examined on May 28, 1954 the vein had widened to about 14 inches and was less fractured.

The 76 feet of drift that was completed in May is in accordance with the terms of the contract and is approved. The contract provides for Government participation to the amount of 75 percent of an agreed estimated cost of $30.00 per foot of drift. The total cost of the 76 feet was $2,280.00 and the Government's part is $1,710.00. It is recommended that the operator be paid this amount.

William R Hardwick

William R. Hardwick, Mining Engineer
Mining Methods Branch, Mining Division
Region IV

CC W. H. King (Orig. & 7)
DMEA-2097
MF

WRHardwick:frj

NORMAN D. FITZGERALD
OWNER

GEORGE B. BLONSKY
GENERAL MANAGER

WOTHREE MINES

P. O. BOX 47
KINGMAN, ARIZONA

June 12, 1954.

NARRATIVE REPORT FOR THE MONTH OF MAY, 1954

on work done on
Contract Idm-E632
Docket DMEA-2957
Williams Tungsten Mine
Mohave County, Arizona.

During the month of May 1954 advances were made in the working places 120E and 150W.

The 120E drift was advanced for 45' from a point 283' to a point 328' from the DMEA starting station in the winze. For the most part the drift followed a narrow pegmatite dike containing at times mica and pyrite.

The 150 W drift was advanced 31' from a point 284' to a point 315' from the point in the winze. For most part the drift followed a fault plane, in which there were occasional segments of vein material containing mica, pyrite and possibly some wolframite. The present face of this drift looks much more encouraging than anything encountered in the last 100 feet. A definite vein from 16 to 12" wide, widening upwards, is fully exposed in the middle of the face. It is our intention to continue this drift for a few rounds, to establish whether we have not struck a new vein formation at this point.

We are attaching to this report our assay map for the 120 E and 150 W drifts. Please note that only encouraging parts of the drifts were sampled.

For: CARL HOVGARD, dba Wothree Mines

George B. Blonsky

George B. Blonsky.
General Manager.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1954 Docket No. DMEA 2057 Contract No. Ida-2653
Operator's Name CARL HOWARD, dba Cothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona
Contract Amount, $ 33,000.00 Government Participation: 75 % Amount, $ 24,750.00

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						
Bulldozing						
Crosscutting						
Drifting	$2280.00	$17,175.00	$19,455.00			
Raising	-----	1,500.00	1,500.00			
(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	$2280.00	$19,675.00	$20,955.00	2280.00	18,675.00	20,955.00

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

Date June 13 1954 *Payee CARL HOWARD dba Cothree Mines

Per J. B. Blosky Title General Manager

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

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

(Instructions on reverse)

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

$ 1710.00

Signature [illegible] (Authorized Certifying Officer)

Date 6/22/54 Vou. No. DMA 54-138

(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. MF 632 in accordance with the terms of the contract.

Signature William R Hardwick Title Mining Engr Date 6/28/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W H King Title Executive Officer Date JUN 21 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-104 (Rev.)
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1954 Docket No. DMEA 2057 Contract No. Ida-2653
Operator's Name CARL BOUGARD, dba Bothroo Mines Minerals Tungsten
Address P.O. Box 47, Ithaca, Arizona
Contract Amount, $ 33,000.00 Government Participation: 75 % Amount, $ 24,750.00

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						
Bulldozing						
Crosscutting						
Drifting	$2280.00	$17,175.00	$19,455.00			
Raising	----	1,500.00	1,500.00			
(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	$2280.00	$19,675.00	$20,955.00	2280.00	18,675.00	20,955.00

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

Date June 12 1954 *Payee CARL BOUGARD dba Bothroo Mines

Per J. B. Blomby Title General Manager

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

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

(Instructions on reverse)

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

$ 1710.00

Signature (Authorized Certifying Officer)

Date 6/22/54 Vou. No. DMA 54-138

(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. MF-632 in accordance with the terms of the contract.

Signature William R Hardwick Title Mining Engr Date 6/28/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W H King Title Executive Officer Date JUN 21 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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1954 Docket No. DMEA 2957 Contract No. Idn-E-632
Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona.

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	Foot	$2220.00	76	$19,455.00	648.5	$30.00	925	$30.00
Crosscutting								
Raising	Foot	---	---	1,500.00	50	$30.00	175	$30.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$2220.00	76	$20,955.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$2220.00	76	$20,955.00				$35,000.00

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.

REMARKS:

CARL HOVGARD
Date June 12, 54 Operator DBA Wothree Mines

Per G.B. Blount Title General Manager

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

(Instructions on reverse)

(For Government use only)

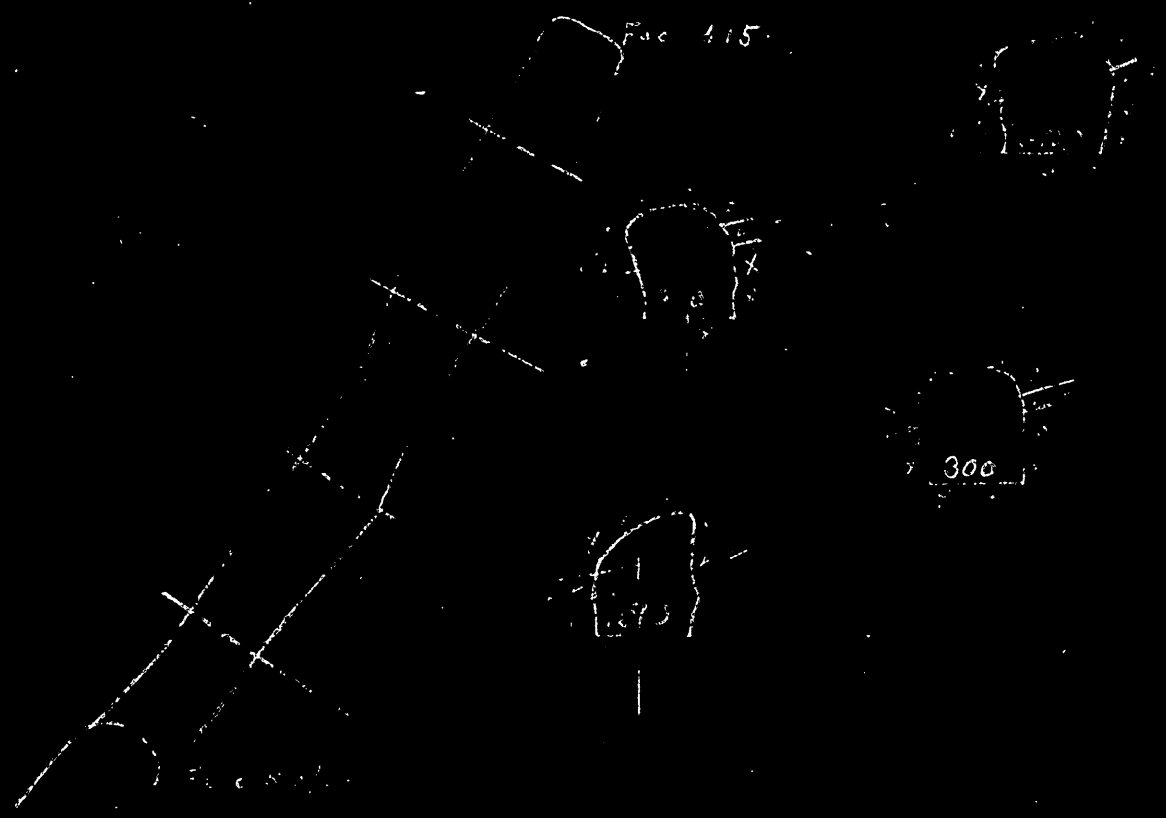
INSTRUCTIONS

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".

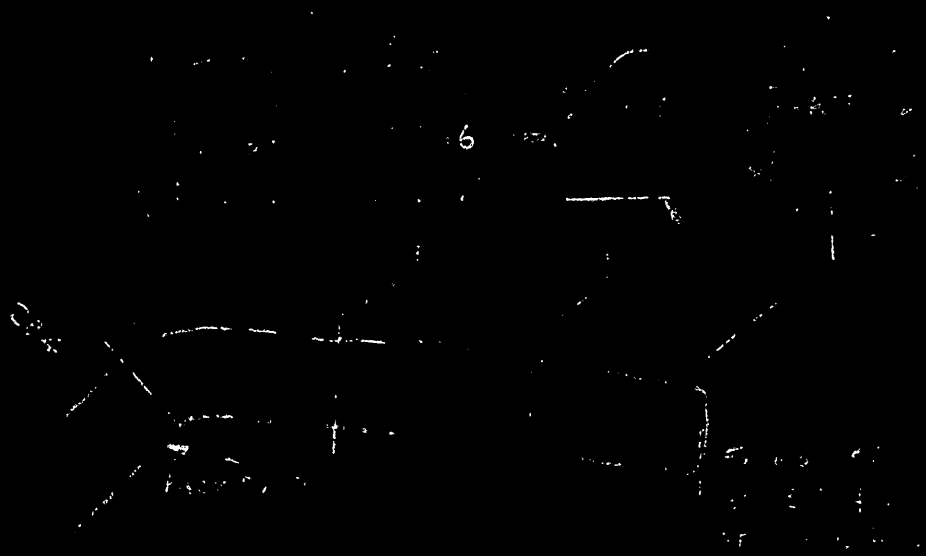
In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active 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



Granite Ore Pegmatite

WOTHEE MINES
WILLIAMS TUNGSTEN MINE
DMEA Drift 1200'
MAY 1954 ADVANCE
Scale 1"=10' G.F.H.



WOTI REEF MINES
WILLIAMS TUNNEL ENTRANCE
DRAWN BY 15 SW
AS BUILT

402

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

224 New Customhouse
Denver 2, Colorado

June 16, 1954

Memorandum

WSM

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard's Williams Tungsten Mine, Mohave County, Arizona. Operator-s Monthly Progress Report for the month of April 1954.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of April 1954.

W H King
W. H. King

Enclosures

mf 104
April

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

224 New Customhouse
Denver 2, Colorado

June 10, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard's Williams Tungsten Mine, Mohave County, Arizona. Operator's Monthly Progress Report for the month of April 1954.

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	May 10, 1954.
Date Received in Field Office	June 3, 1954.
Date Received in Region Office	June 10, 1954.

W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
WRStorms
Chron.

June 8, 1954

Memorandum

To : W. H. King, Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : April 1954 Progress Report, Contract Idm-R632, Docket DMEA-2957, Carl Mevgard's Williams Tungsten Mine, Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;
(2) Operator's narrative report with 2 maps;
(3) Forms MF-104 and MF-104A.

Also enclosed are 2 extra copies of our engineer's report.

The operator's report originally was received in the Tucson office on May 17, but part of it was sent back to the mine for signature, so was not returned until June 3.

As all work is in accordance with the terms of the contract, I recommend that the Government's share of the costs be paid.

Walter R. Storms

Walter R. Storms

CC W. H. King (6)
DMEA-2957
DF

WRStorms:frj

June 8, 1954

Memorandum

To : Walter R. Storms, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : William R. Hardwick, Mining Engineer, Tucson, Ariz.

Subject : Progress Report for April 1954, Docket DMEA-2957, Contract Idm-E532, Carl Hovgard's Williams Tungsten Mine (Westhree Mines), Mohave County, Ariz.

The operator's narrative report, Forms MF-104, Forms MF-104A, and maps were first received in the Tucson office of the U. S. Bureau of Mines May 17, and in compliance with Mr. Blensky's request the mine was visited on May 26-28, 1954. John M. Faick, geologist, U. S. Geological Survey, accompanied the undersigned engineer. Mr. George B. Blensky was present for several hours on May 26, and Mr. Gerald B. Hartley, general superintendent, was present for the entire period. The narrative report, which had been received unsigned, was returned to the operator and was again received in the Tucson office of the U. S. Bureau of Mines on June 3, 1954.

During the month of April the face of the 120 East drift was advanced to a point 283 feet from the center of the winze for a net gain of 124 feet and the 150 West drift was advanced to a point 284 feet from the winze for a net gain of 98 feet. The total gain for the month of April was 222 feet. This advance was in accordance with the terms of the contract and is approved.

The section of vein exposed during the month was very narrow and it was necessary to change the direction of the drift often to follow the vein. None of the drift was on vein material of a minable width.

In several places wolframite crystals were observed. Discouraged with the slow progress of his own assay office, the operator has sampled much of the project and sent the samples to a commercial laboratory. The results should be returned soon and when they are received an estimate of tonnage and grade of ore discovered to date will be possible.

CC W. H. King (Orig. & 6)
DMEA-2957
DF

WRHardwick:frj

During April, the mill was operated one shift per day and some changes in flow sheet were made. When the property was visited on May 26, the operator had processed an estimated 300 tons of ore and had produced a shipment of concentrate which he had sent to San Francisco that day in a company truck.

The contract provides for Government participation in the costs to the amount of 75 percent of an agreed estimated cost of $30.00 per foot. The total cost of the 222 feet that were completed in April was $6,660.00 and the Government's agreed part was $4,995.00. It is recommended that the operator be paid this amount.

William R. Hardwick

William R. Hardwick, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

NORMAN D. FITZGERALD
OWNER

GEORGE B. BLONSKY
GENERAL MANAGER

WOTHREE MINES
P. O. BOX 47
KINGMAN, ARIZONA

May 10, 1954.

MONTHLY REPORT FOR THE MONTH OF APRIL, 1954.

on work done on
Contract [illegible]
Deed [illegible]
Wolfram Tungsten Mine
Mohave County, Arizona.

During the month of April 1954 advances were made in the working places 120 W and 100 W.

The 120 W drift was advanced to 205' from the main point for a total of 184 feet. The vein continued strongly for about 60 feet of this advance, at one place reaching nearly 5 feet in width. Beyond this point it narrowed down and finally became a seam of quartz. We are continuing in a mineralized zone between aplite and granite containing quartz and mica.

The 100 W drift was advanced to 204' from the winze for a total of 90 feet. Had the same conditions as that in the 120 W entire zone of pegmatite. Very material containing some wolframite has been encountered along the contact.

Respectfully, GEORGE B. BLONSKY, dba Wothree Mines

George B. Blonsky

George B. Blonsky
General Manager.

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

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

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

Month of April, 1954 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name CARL HOVGARD, dba Wothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona
Contract Amount, $ 33,000.00 Government Participation: 75% Amount, $ 24,750.00

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						
Crosscutting						
Drifting	$6,660.00	$10,515.00	$17,175.00			
Raising	--------	$ 1,500.00	$ 1,500.00			
(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	$6,660.00	$12,015.00	$18,675.00	6660.00	12,015.00	18,675.00

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

Date May 10, 1954 *Payee CARL HOVGARD
dba Wothree Mines

Per G.B. Blonky Title General Manager.

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

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

(Instructions on reverse)

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

$4995.00

Signature
(Authorized Certifying Officer)

Date 6/11/54 Vou. No. DMEA 54-133

(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. 1/4m E637 in accordance with the terms of the contract.

Signature William R. Hardwick Title Mining Engineer Date 6/8/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer Date JUN 10 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
Approval expires 6-30-53.

U. S. BUREAU OF MINES
MINING DIV.
MAY 17 1954
TUCSON, ARIZONA

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1954 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona

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	feet	$6,660.00	222	$17,175.00	572.5	$30.00	925	$30.00
Crosscutting								
Raising	feet	------	-----	1,500.00	50	$30.00	175	$30.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$6,660.00	222	$18,675.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$6,660.00	222	$18,675.00				$33,000.00

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 May 10, '54 Operator CARL HOVGARD dba Wothree Mines

Per J. B. Blowky Title General Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

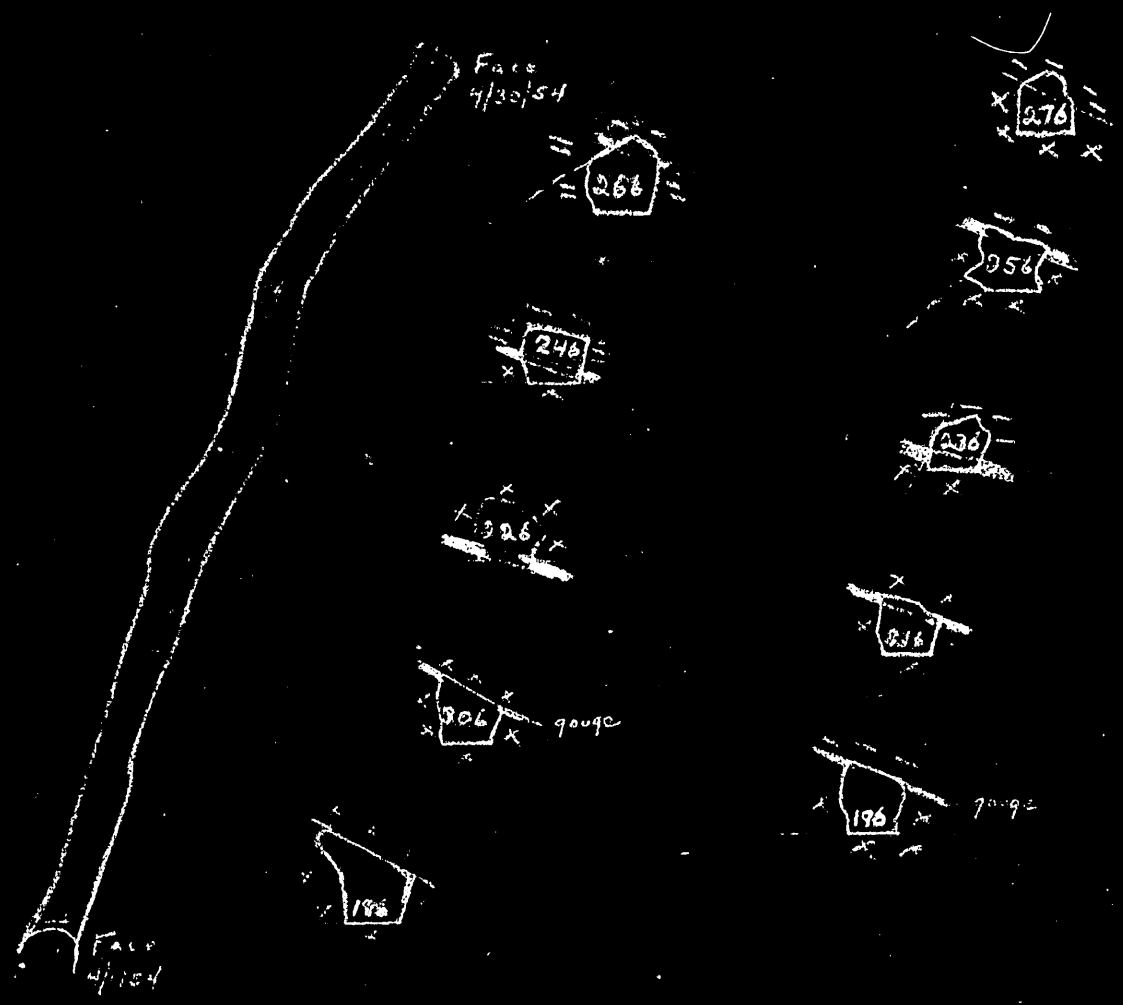
INSTRUCTIONS

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

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

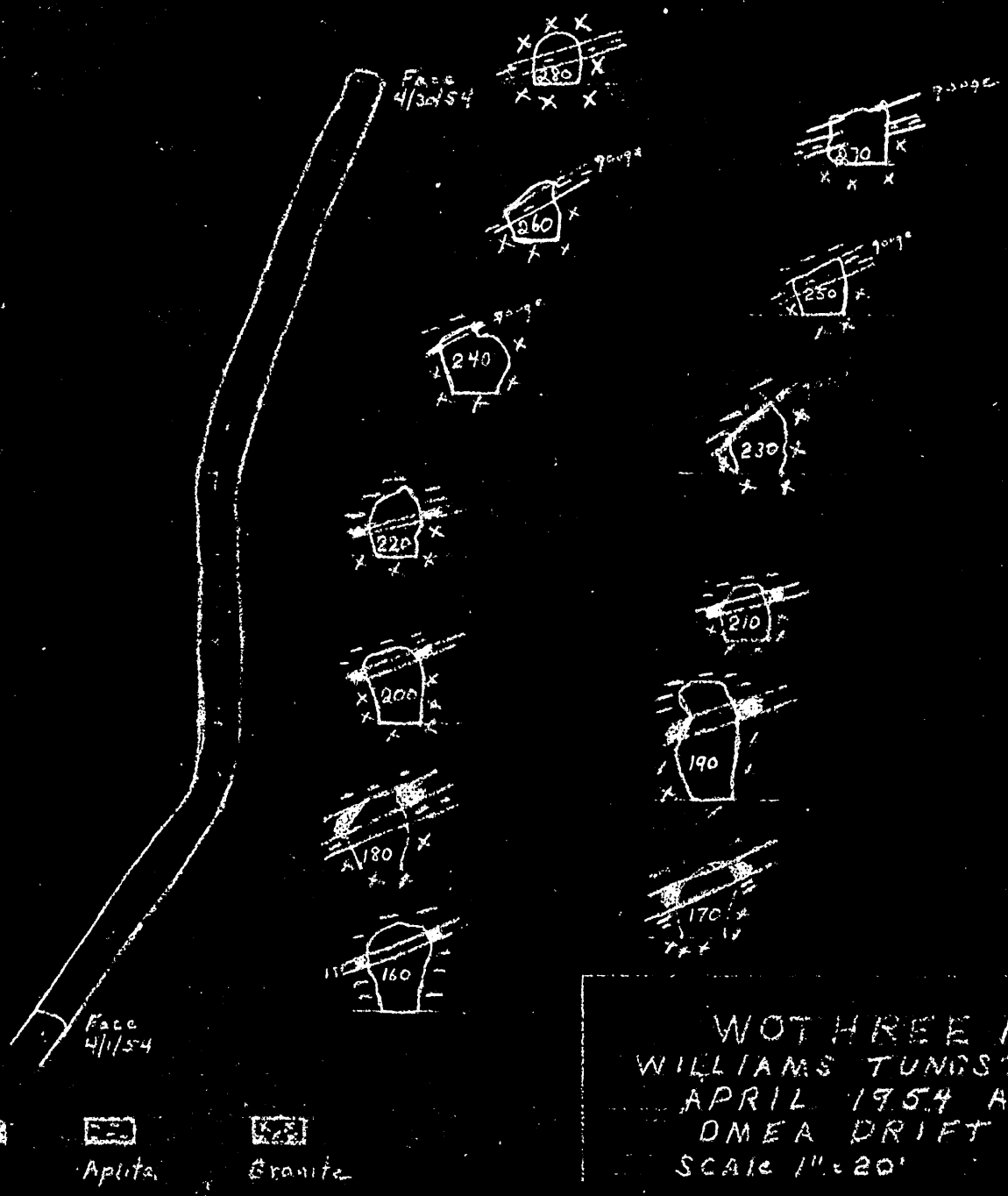
In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active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

GPO 83-38475



Ore Aplite Granite

WOTHREE MINES
WILLIAMS TUNGSTEN MINE
APRIL 1954 ADVANCE
DMEA DRIFT 150W
Scale 1" = 20' GEH



WOTHREE MINES
WILLIAMS TUNGSTEN MINE
APRIL 1954 ADVANCE
DMEA DRIFT 120 E
SCALE 1" = 20'
GBH

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

224 New Customhouse
Denver 2, Colorado

May 4, 1954.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard's Williams Tungsten Mine, Mohave County, Arizona.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of March 1954.

W. H. King

W. H. King

Enclosures

MF-104'p

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

224 New Customhouse
Denver 2, Colorado

April 30, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard's Williams Tungsten Mine, Mohave County, Arizona. Operator's Monthly Progress Report for the period March 1954.

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	April 13, 1954.
Date Received in Field Office	April 15, 1954.
Date Received in Region Office	April 29, 1954.

W H King
W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
WRStorms
Chron.

April 27, 1954

Memorandum

To : W. H. King, Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : March 1954 Progress Report, DMEA Contract Idm-E632, Docket DMEA-2957, Carl Hovgard's Williams Tungsten Mine, Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report with maps;

(3) Forms MF-104 and MF-104A.

Also enclosed are 2 extra copies of our engineer's report.

As all work is in accordance with the terms of the contract, I recommend that the Government's share of the costs be paid.

The operator's report was received on April 15, but the Bureau's engineer was unable to visit the mine Until April 22, hence the delay in submitting this report.

Walter R. Storms

Walter R. Storms

CC W. H. King (6)
DMEA-2957
DF

WRStorms:frj

April 27, 1954

Memorandum

To : Walter R. Sterns, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : William R. Hardwick, Mining Engineer, Tucson, Ariz.

Subject : Progress Report for March 1954, Docket DMEA-2957, Contract Idm-E532, Carl Hovgard's Williams Tungsten Mine (Westhree Mines), Mohave County, Ariz.

The Williams tungsten mine was visited on April 22, 1954. Gerald B. Hartley, general superintendent, assisted with the measurement of the advance and the progress was discussed with George B. Blonsky, general manager.

On April 22 advance had been completed on three levels as follows: (a) "0" level East raise at 46 feet east of adit had been advanced from a reported height of 33.66 feet to a height of 52 feet; 16.34 feet of this advance is authorized by the contract; (b) The 120 level East drift had been advanced to a point 247 feet from the winze for a net gain of 165.5 feet. The operator stated that 77.5 feet of this was completed in March; (c) The 150 level west drift had been advanced to a point 256.6 feet from the winze for a net gain of 133.6 feet since last measured. The operator stated that 62.6 feet of this work was completed in March.

The total advance for the month of March as reported by the operator (156.44 feet) is in accordance with the terms of the contract and is approved.

which is average?

The mineral content of that part of the vein which was prospected during the month of March appeared to be average. The width of the vein in the 120-foot drift varied from 18 inches to 2 feet, but the vein exposed in the 150 level had pinched down to almost nothing. In the 0 level raise, the vein widened to a point about 35 feet above the level, then flattened and thinned.

CC W. H. King (Orig. & 6)
DMEA-2957
RF

WRHardwick:frj

At the top of the raise it was about 10 inches thick. At a point in this raise, 30 to 35 feet above the level, a small shoot of high-grade ore was observed by the operator and the raise was widened at this point. The ore did not persist and most of the high grade was removed in the widening operation.

When the property was visited by John Haynes of the Bureau of Mines on March 9, 1954, four samples were taken by him. The results of these samples were as follows:

Sample No.	Location and length of sample	Percent WO_3
1	"O" level raise, 40 ft. above level - 23"	0.34
2	0 level raise, 15 ft. above level - 23"	28.50
3	150-foot level, 66 ft. west of winze - 36"	1.00
4	120-foot level, 75 ft. east of winze - 26"	0.15

When the property was visited on April 22, 1954, Blensky stated that the mill was now complete and would start production immediately. Approximately 50 tons of ore had been milled and some concentrate had been made. Blensky stated that the preliminary test indicated that approximately 60 tons of ore per drift shift could be handled by the mill which will be placed into production at once.

The contract provides for Government participation in the costs to the amount of 75 percent of an agreed estimated cost of $30.00 per foot for both raise and drift. The total cost of the 156.44 feet, that were completed in March, was $4,691.30 and the Government's part was $3,519.90. It is recommended that the operator be paid this amount.

William R. Hardwick

William R. Hardwick, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

NORMAN D. FITZGERALD
OWNER

GEORGE B. BLONSKY
GENERAL MANAGER

WOTHREE MINES

P. O. BOX 47
KINGMAN, ARIZONA

DEPARTMENT OF THE INTERIOR
Bureau of Mines
RECEIVED
APR 7 - 1954

April 15, 1954.

PROGRESS REPORT FOR THE MONTH OF MARCH, 1954

on work done on
Contract 20-[illegible]
Lease [illegible]
Williams Tungsten Mine
Mohave County, Arizona.

During the month of March 1954 advances were made in the working places 100W, 110W and the raise in 10" shot drift.

The 100W drift was advanced from 82.5' to 150' for a total of 77.5'. The vein narrowed at points, but is maintaining a width from 18" to 3 feet. The hanging wall continues to be aplite and the foot wall granite. The ore for the last week of the month appeared to have improved in grade, but we have no assays to confirm this.

The 110 W drift was advanced from 128.0' to 165.0' for a total of 62.0'. Much of the ground in this drift was blocky and it was necessary to install five sets of timber. This ground continues to be difficult in places and occasional timber is required. The vein dwindled near the end of the month and at one place we lost the contact between granite and aplite. However we now have the contact, but the vein is very small.

The raise in 20" shot was advanced from 35.00' to 52' for a total of 16.0', of which only 10.34 feet are chargeable to the contract. The vein maintains a width of approximately 20" here and has become very flat near the top of the raise.

Total advance for the month was 200.34', of which 156.34' are chargeable to the contract. We were considerably handicapped in March by the breakdown of our 300 CFM compressor, losing 1½ days or three shifts of mining on the 8th and 9th of March, while a small rental compressor was brought in. One shift was lost in 120 E and two in 150 W on the 15th, 16th and 17th for lack of crew. Three complete days of mining were lost because of lack of supplies due to the rise of water in the Big Sandy River and loss of power wagon in it. Finally on March 30 and 31 1½ days of mining were lost due to the newly overhauled big compressor breaking the crankshaft.

The assay office is nearly complete and is expected to be in use in a few days.

For: CAPT. HOWARD, The Wothree Mines.

George B. Blonsky
George B. Blonsky.
General Manager.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 7 - 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March 1954 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name CARL HOVGARD, dba Wothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona
Contract Amount, $33,000.00 Government Participation: 75 % Amount, $24,750.00

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						
Bulldozing						
Crosscutting						
Drifting	$4,203.00	$6312.00	$10,515.00			
Raising	490.20	$1009.80	$ 1,500.00			
(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	$4,693.20	$7,321.80	$12,015.00			

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

Date 4/13/54 *Payee CARL HOVGARD dba Wothree Mines

Per George B. Blowey Title General Manager

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

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

(Instructions on reverse)

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

$3519.90

Signature [illegible]
(Authorized Certifying Officer)

Date 5/3/54 Vou. No. DMA 54-118

(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. Um F 632 in accordance with the terms of the contract.

Signature William R. Hardwick Title Mining Engineer Date 4/27/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.D.B.

Signature W H King Title Executive Officer Date MAR 30 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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 27 - 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1954 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona.

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	feet	$4,203.0	140.1	$ 10,515.00	350.5	$30.00	925	$30.00
Crosscutting								
Raising	feet	$ 490.20	16.34	1,500.00	50.0	$30.00	175	$30.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$4,693.20	156.44	$12,015.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
			156.44					
TOTAL COSTS		$4,693.20		$12,015.00				$33,000.00

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 April 13,54 Operator CARL HOVGARD dba Wothree Mines

Per George B. Blonsky Title General Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

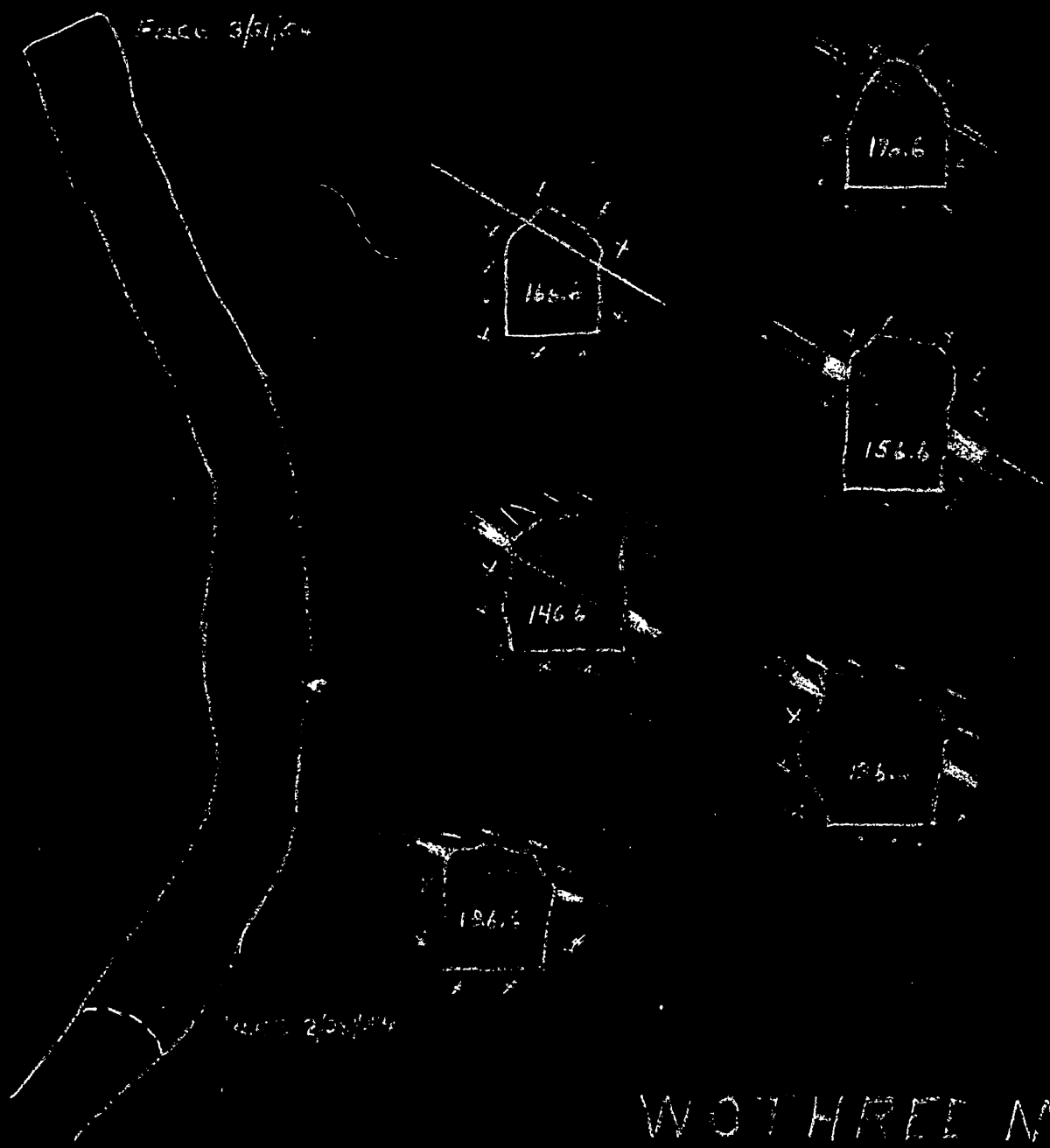
INSTRUCTIONS

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".

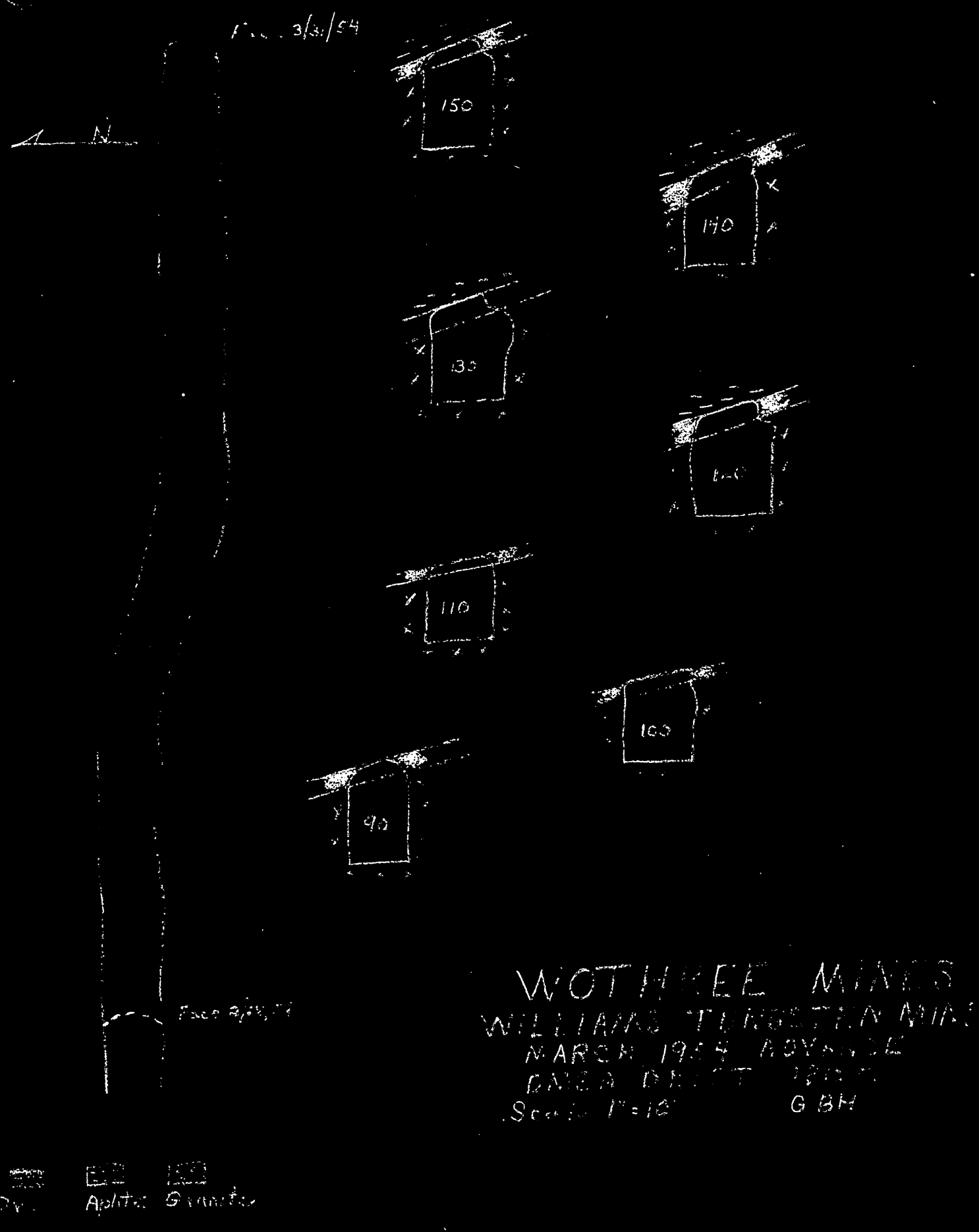
In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active 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



WOTHREE MINES
WILLIAMS TUNGSTEN MINES
MARCH 1954 ADVANCE
ONEA DRIFT 150 W
Scale 1" = 10' GBM

Cut Fill Unaltered


3/31/54
N
150
140
130
120
110
100
90
Face 8/31/54
WOTHKEE MINES
WILLIAMS TUNGSTEN MINE
MARCH 1954 ADVANCE
GNEISS DRIFT
Scale 1"=10'
GBH
Aplite
Gneiss

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

224 New Customhouse
Denver 2, Colorado

March 25, 1954

WSM

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard (Wothree Mines), Williams Tungsten Mine, Mohave County, Arizona.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of February 1954.

John F. Shaw
John F. Shaw
For W. H. King

Enclosures

MF-104
Feb
1954

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

224 New Customhouse
Denver 2, Colorado

March 22, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard (Wothree Mines), Williams Tungsten Mine, Mohave County, Arizona. Operator's Monthly Progress Report for the period February 1954.

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report, and Engineer's Report for the above period. Also enclosed is a corrected map for the January 1954 report.

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	March 14, 1954.
Date Received in Field Office	March 17, 1954.
Date Received in Region Office	March 19, 1954.

John F. Shaw
For W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
WRStorms
Chron.

March 17, 1954

Memorandum

To : W. H. King, Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : February 1954 Progress Report, Contract Idm-E632, Docket DMEA-2957, Carl Hovgard (Wethree Mines), Williams Tungsten Mine, Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report with map;

(3) Forms MF-104 and MF-104A.

Also enclosed are 2 extra copies of our engineer's report.

As all work is in accordance with the terms of the contract, I recommend that the Government's share of the of the costs be paid. In the future we will suggest to the operator that progress be measured in even feet, not in feet, tenths and hundredths as he has done. When our engineer visited the property, all headings had been advanced more than the operator reports for February, therefore we cannot state that the total of 108.06 feet for the month is incorrect. However, we will tell him to measure to an even foot in the future.

Walter R. Storms

Walter R. Storms

CC W. H. King (6)
DMEA-2957
DF

WRStorms:frj

March 17, 1954

Memorandum

To : Walter R. Storms, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : John F. Haynes, Mining Engineer, Tucson, Arizona.

Subject : Progress Report for February 1954, Docket DMEA-2957, Contract Idm-E632, Carl Hovgard (Wothree Mine), Williams Tungsten Mine, Mohave County, Arizona.

In accordance with your request the Williams Tungsten mine was visited on March 9, 1954. Gerald B. Hartley, the new general superintendent, accompanied the inspecting engineer and assisted with the measurement of the advance. As of the date of inspection, exploration drift P-1, 150-foot level, had been advanced to a point 137.1 feet east of the winze, and exploration drift P-2, 120-foot level, had been advanced to a point 101.5 feet west of the winze. These are net gains of 50.5 and 58.0 feet respectively over that reported by Blansky for January 1954 and exceed the footage reported by the operator for February 1954. The raise from exploration drift P-3, "O" level, has been completed although reimbursement is requested only for the 33.66 feet completed during February. The remaining footage will be submitted in the March report.

The width of the vein has decreased in both of the exploration drifts from approximately two and a half feet to about eight inches. There is no apparent change in the visible wolframite content of the vein. Samples were taken in both drifts and in the raise from the "O" level but the results are not yet available. The width of the vein in the raise has remained constant although it is believed that the vein has split at a point 40 feet from the bottom of the raise. The operator intends to further explore the structure at that point at company expense.

No samples have been taken by the operator. However, he has promised to submit results of assays as soon as facilities are available at the mill for doing such work.

CC W. H. King (Orig. & 6)
DMEA-2957
DF

JFHaynes:frj

The 108.06 feet of drifting and raising which the operator reports for February are in accordance with the provisions of the contract and are approved. The contract provides for Government participation to the extent of 75 percent of the agreed estimated cost of $30.00 per foot of drift or raise. The total cost of the 108.06 feet of drifting and raising was $3,241.80 and the Government's agreed part is $2,431.35. It is recommended that the operator be paid this amount.

John F. Haynes

John F. Haynes, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

NORMAN D. FITZGERALD
OWNER

GEORGE B. BLONSKY
GENERAL MANAGER

WOTHREE MINES
P. O. BOX 47
KINGMAN, ARIZONA

March 14, 1954.

NARRATIVE REPORT FOR THE MONTH OF FEBRUARY, 1954.

on work done on
Contract Idm-E632
Docket DMEA-2957
Williams Tungsten Mine
Mohave County, Arizona.

During February 1954 advances were made in the working places 120 E, 150 W and raise in "O" East drift.

The 120 East drift was advanced from 43.5' to 81.5' for a total of 38 feet. The vein approximates 2 feet in width and maintains a dip of about 25°. The hanging wall is aplite and the footwall granite.

The 150 West drift was advanced from 86.6' to 123.0' from the DMEA point in the incline for a total of 36.4 feet. The vein narrowed down to approximately 18" at this point. The hanging wall continues to be aplite and for the most part the footwall is granite.

The raise in "O" East was advanced from 0 to 33.66' for a total of 33.66'. Here the ore averaged 2 feet and showed considerable wolframite in places. The accompanying elevation shows the entire raise, which was completed early in March.

We are now building the laboratory and hope to have it completed in a few days, so as to maintain an assay map.

Work is progressing in both of the drifts at present with as much speed as we are able to maintain. We are handicapped because our 550 cfm compressor finally demanded a very serious overhaul and had to be taken to Las Vegas for this purpose. Meanwhile we are operating with a rented 210 cfm compressor.

For: CARL HOVGARD, dba Wothree Mines.

George B. Blonsky

George B. Blonsky.
General Manager.

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

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

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

Month of February, 1954 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona
Contract Amount, $ 33,000.00 Government Participation: 75% Amount, $ 24,750.00

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) [redacted] Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting	$2,232.00	$4,080.00	$6,312.00			
raising	$1,009.80	--------	$1,009.80			
(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	$3,241.80	$4,080.00	$7,321.80	3,241.80	4,080.00	7,321.80

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

Date 3-14-54 *Payee Carl Hovgard dba Wothree Mines.

Per George B. Blounty Title General Manager

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

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

(Instructions on reverse)

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

$2431.35

Signature [illegible]
(Authorized Certifying Officer)

Date 3/24/54 Vou. No. DMA 54-94

(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. Idn-E632 in accordance with the terms of the contract.

Signature John T. Haynes WRH Title Mining Engineer Date March 17, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: L. DB.

Signature John T. Haynes for Wm. H. King Title Executive Officer Date MAR 22 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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 195 4 Docket No. DMEA 2957 Contract No. Idm-E632

Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten

Address P.O. Box 47, Kingman, Arizona

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	feet	$2,232.00	74.4	$6,312.00	210.4	$30.00	925	$30.00
Crosscutting								
Raising	feet	$1,009.80	33.66	$1,009.80	33.66	$30.00	175	$30.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$3,241.80		$7,321.80				TOTAL COSTS AUTHORIZED BY CONTRACT
			108.06					
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
			108.06					
TOTAL COSTS		$3,241.80		$7,321.80				$33,000.00

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 Ma rch 14-54 Operator Carl Hovgard dba Wothree Mines

Per George B. Blowky Title General Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

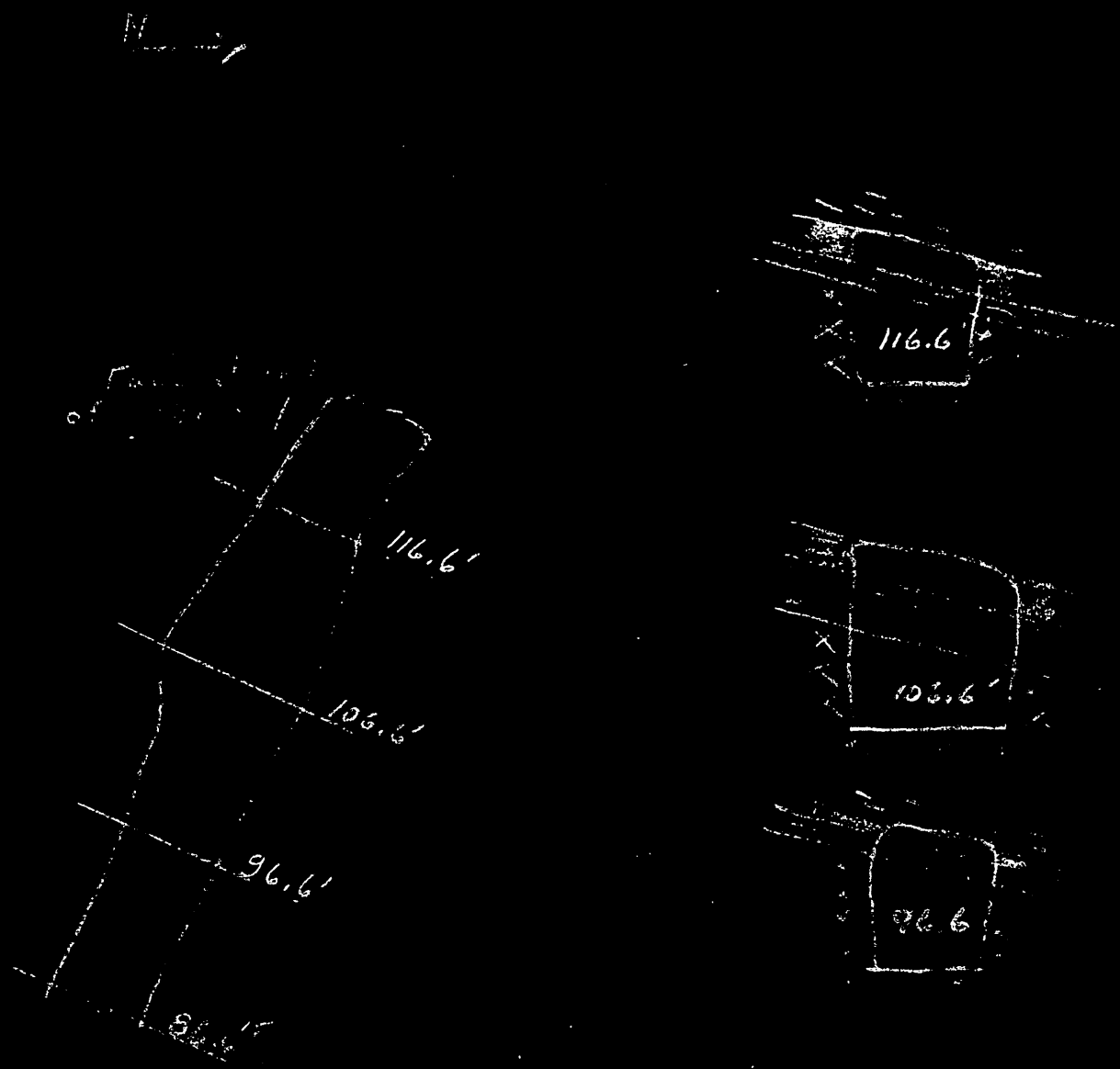
INSTRUCTIONS

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.

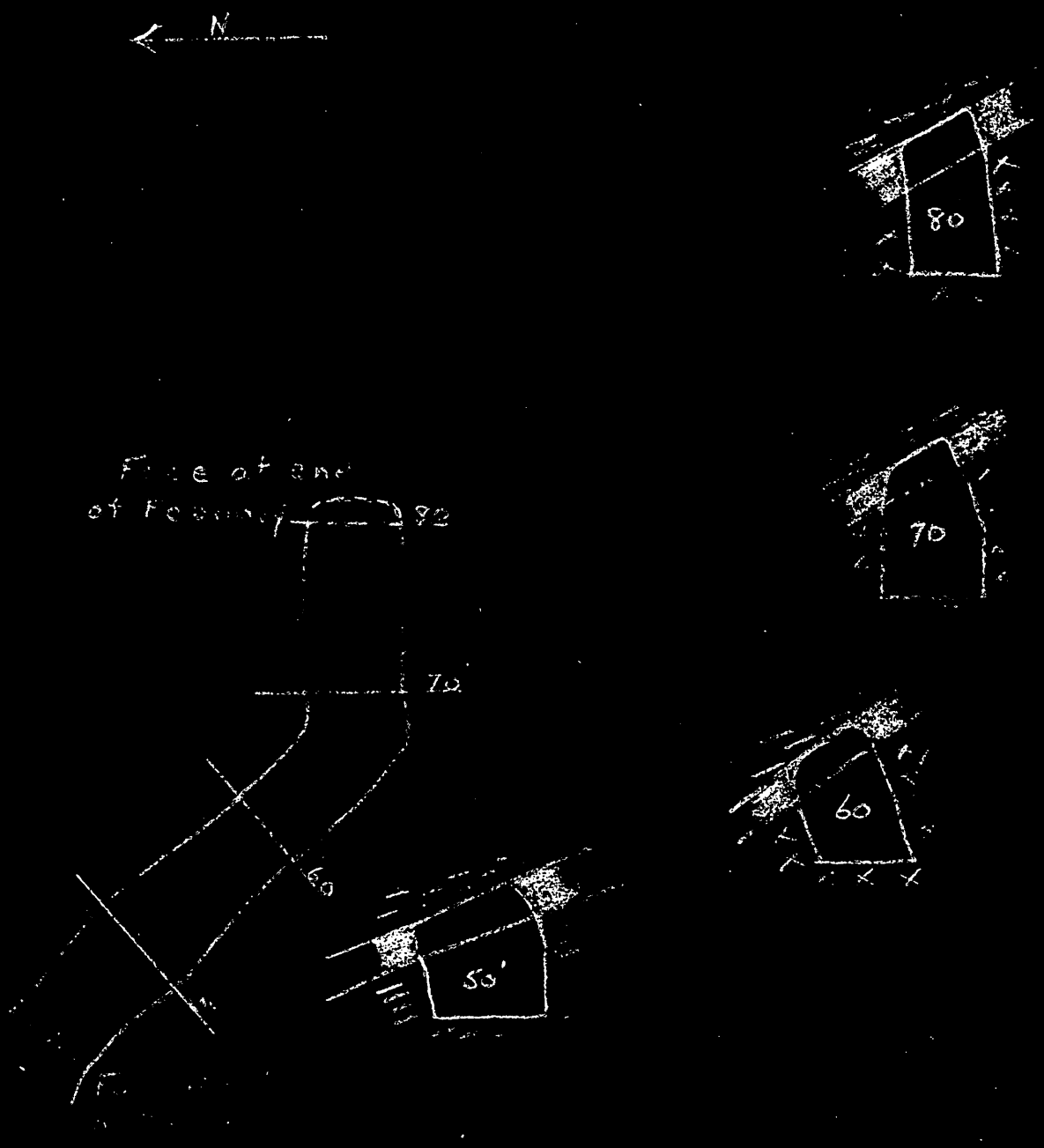
Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

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.

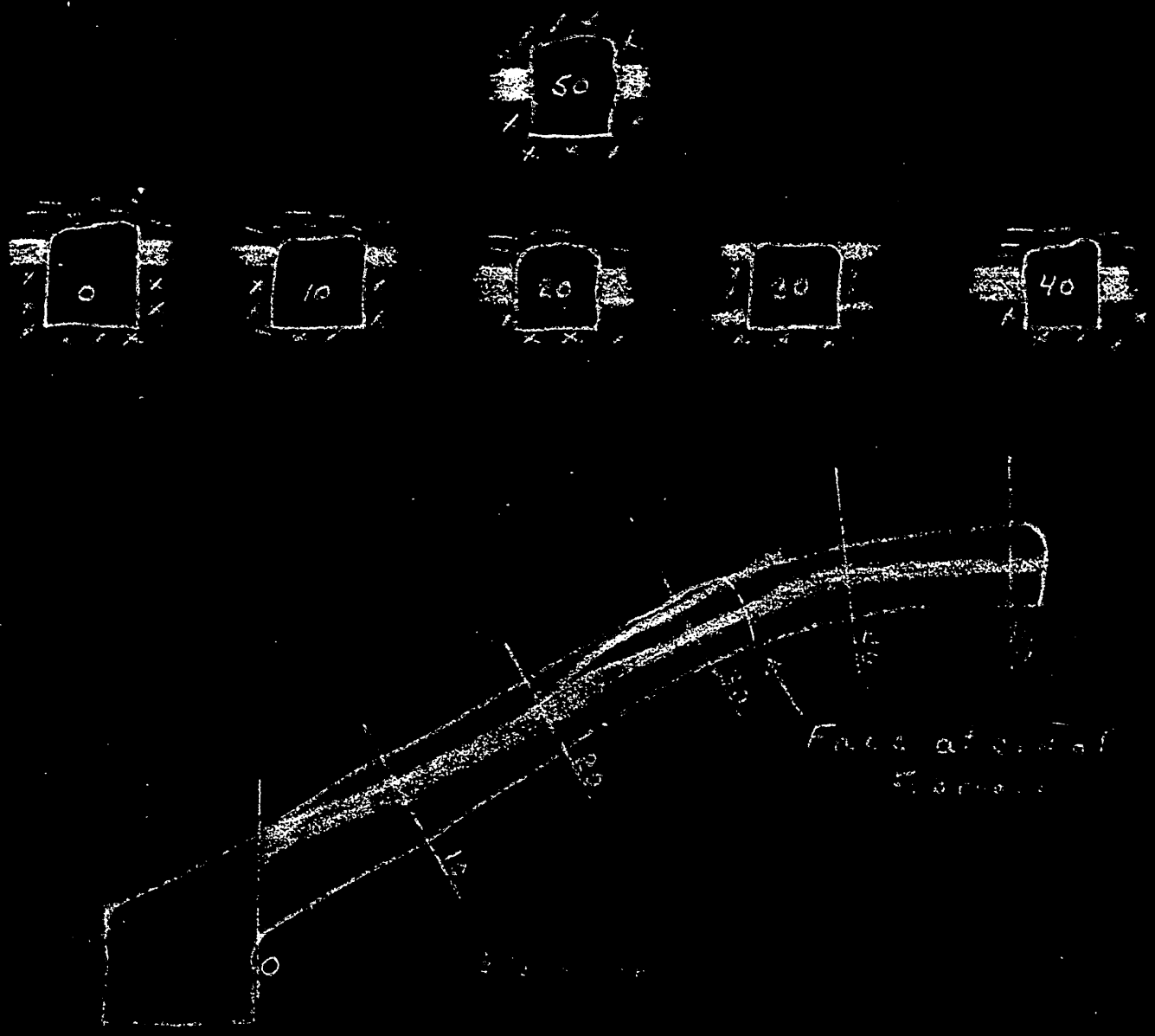
GPO 83-38475



WOTA
WILLIAMS TUNGSTEN MINE
FEBRUARY 1959
DRAFTA
SCALE 1" = 10'
150



WOTHREE MINES
WILLIAMS TUNGSTEN MINE
FEBRUARY 1954 ADVANCE
DMEA DRIFT 120 E
SCALE 1" = 10'
GSH



WOTHEE MINES
WILLIAMS TUNGSTEN MINE
FEBRUARY 1954 ARVADA
OMEGA RAISE "O" EAST
Scale 1" = 10'
GEN

May 17, 1954

Memorandum

To : W. H. King, Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : January 1954 Progress Report, Contract Idm-E632, DMEA-2957, Williams Tungsten Mine, Mohave County, Ariz.

Enclosed are original and 4 copies of a letter from George B. Blonsky with corrected maps for the January progress report.

Walter R. Storms

Walter R. Storms

CC W. H. King (4)
DMEA-2957
DF

WRStorms:frj

NORMAN D. FITZGERALD
OWNER

GEORGE B. BLONSKY
GENERAL MANAGER

WOTHREE MINES
P. O. BOX 47
KINGMAN, ARIZONA

March 14, 1956.

Mr. Walter R. Stearn, Chief
Mining Geologic Branch
Mining Division, Region IV
Bureau of Mines
Box 6007, University Station
Tucson, Arizona.

Re: Contract IGr-1982
Grant MRA-8957
Wolfram Tungsten Mine
Mohave County, Arizona

Dear Mr. Stearn,

Please find enclosed two blueprints of corrected progress diagrams concerning [illegible], which belong with the [illegible] progress report.

The error originally contained was incorrect to the extent that the section locations were called 60, 80 and 100 feet from a MRA point, which actually was 83.0' west of the main MRA point at the center of the headframe where the 180 West ambulated in crossing same.

Now to have redrawn the drawing to take care of this mistake and you will see that the new sections, which used to be called at the original MRA, then called "60" 80' and "100" " from the MRA point are now called 38.0', 78.0' and 88.0' from the MRA point. The main point was a drill plug in the center line of the headframe where all things already to referred to.

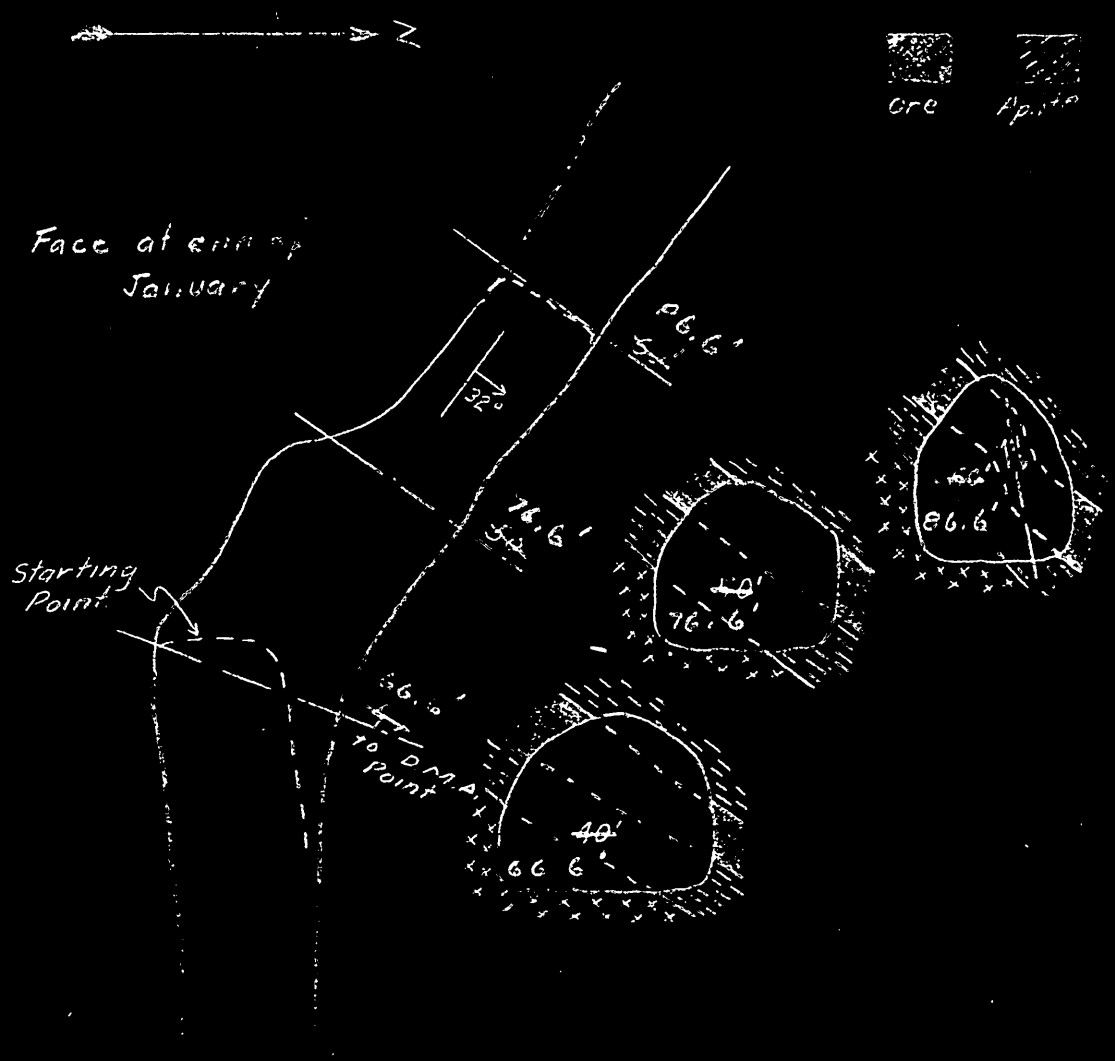
The actual footage of progress was reported correctly in the January report, as well as in the February progress report, which is transmitted to you under cover.

Yours very truly

WOTHREE MINES.

George B. Blonsky

George B. Blonsky.
General Manager.



WOTHREE MINES
WILLIAMS TUNGSTEN MINE
JANUARY, 1954 ADVANCE
D.M.A. Drift **150W**

Scale: 1in.=8ft. Drawing R.M.C.

NB: Correction of Section Stations on original a mistake was made putting station footage not from 0 pt on ℄ of winze but from [illegible]

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

224 New Customhouse
Denver 2, Colorado

March 4, 1954.

WSM

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard (Wothree Mines), Williams Tungsten Mine, Mohave County, Arizona.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of January 1954.

W. H. King

W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

February 26, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract Idm-E632, Carl Hovgard (Wothree Mines), Williams Tungsten Mine, Mohave County, Arizona. Operator's Monthly Progress Report for the period January 1954.

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	February 18, 1954.
Date Received in Field Office	February 23, 1954.
Date Received in Region Office	February 25, 1954.

W. H. King

W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
WRStorms
Chron.

February 23 1954

Memorandum

To : W. H. King, Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : January Progress Report, Contract Idm-E632, Docket DMEA-2957, Carl Hovgard (Wothree Mines), Williams Tungsten Mine, Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report with 2 maps;

(3) Forms MF-104 and MF-104A.

Also enclosed are 2 extra copies of our engineer's report.

The operator's narrative report and Forms MF-104 and MF-104A were received on February 16. However, Forms MF-104 and MF-104A were sent back to the mine for correction and only recently were returned.

As all work is in accordance with the terms of the contract, I recommend that the Government's share of the costs be paid.

The company's Russian general manager, George B. Blonsky, seems to be somewhat opposed to DMEA and DMEA personnel, as explained by John F. Haynes, the Bureau of Mines representative, and also by Robert W. Ageton in his interim report of November 12. However, I believe this is more Blonsky's Russian temperament and doesn't mean too much.

Walter R. Storms

Walter R. Storms

CC W. H. King (6)
DMEA-2957
DF

WRStorms:frj

NORMAN D. FITZGERALD
OWNER

GEORGE B. BLONSKY
GENERAL MANAGER

WOTHREE MINES
P. O. BOX 448
KINGMAN, ARIZONA.

February 12, 1954.

NARRATIVE REPORT FOR THE MONTH OF JANUARY, 1954
on work done
Contract Idn - E632
Docket DMEA - 2957
Williams Tungsten Mine
Mohave County, Arizona.

During the previous month all drifting on the easterly contract drift on the "0" level was completed. At the completion of this work the crews were moved to the incline to finish the preparatory work necessary to drive the DMEA contract drifts on the 120E and 150W levels.

Actual drifting did not commence in either of the above drifts until the 20th of January, 1954. From this date, through the 31st of January, the two drifts made equal advances of 18 feet, for a monthly total of 36 feet. In addition, the Company performed some exploratory work on the "0" level to the West, apart from the D.M.E.A. contract drifting.

In the 120 East drift it was necessary to swing rapidly into the F.W., in order to bring the ore from the floor of the drift to the top. Ore and waste was broken seperately at all times, and the vein held to a 5 foot width throughout. Wolframite was visually present at all times, occurring with quartz, mica and pyrite. The sulphide content of the vein appears considerably above normal, but this is due to less advanced alteration in this particular zone.

In the 150 West drift the strike of the vein varied from S-30°-E to S-55°-E at the starting point of the contract. The vein varied in width from 2 feet to 5 feet with a mineralized gouge being present below the vein proper. Between 55 and 65 feet from the station (13 feet to 23 feet from starting point) a nearly vertical east-west fault cut across the drift. The maximum throw was only one foot on the vein, but the vein showed considerable oxidation and alteration, and a higher than normal amount of scheelit is indicated by ultraviolet light.

Our laboratory is not yet set up, so we are unable to submit an assay map. As soon as we are equipped to take care of this necessary item, we shall forward this information to you.

At present we have crews on two shifts on both drifts, and anticipate being able to get a round in each day in both drifts. Our advance in any case will be far higher than shown for the month of January. In addition we should like to run the exploratory raise in the completed "0" East drift at the earliest possible date.

For: CARL HOVGARD, dba WOTHREE MINES

about 1½ feet

George B. Blonsky

George B. Blonsky.
General Manager.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January 1954 Docket No. DMEA 2957 Contract No. Idm-E632
Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona
Contract Amount, $ 33,000.00 Government Participation: 75 % Amount, $ 24,750.00

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						
Crosscutting						
Drifting	$1,080.00	$3,000.00	$4,080.00			
(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	$1,080.00	$3,000.00	$4,080.00	1080.00	3000.00	4080.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Feb. 18th 1954 *Payee Carl Hovgard, dba Wothree Mines
Per George B. Blonsky Title General Manager

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$810.00
Signature [signature]
(Authorized Certifying Officer)
Date 3/2/54 Vou. No. DMA 54-86
(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-E632 in accordance with the terms of the contract.

Signature John F. Kaynes WRB Title Mining Engineer Date February 23, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.D.B.

Signature W. S. King Title Executive Officer Date FEB 26 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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1954 Docket No. DMEA 2957 Contract No. Idm-E632

Operator's Name Carl Hovgard, dba Wothree Mines Minerals Tungsten

Address P.O. Box 47, Kingman, Arizona

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Feet	$1,080.00	36	$4,080.00	136	$30.00	925	$30.00
Crosscutting								
Raising	Feet	-	-	-	-	-	175	$30.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1,080.00	36	$4,080.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1,080.00	36	$4,080.00				$33,000.00

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 Feb. 18th 1954 Operator Carl Hovgard, dba Wothree Mines

Per George B. Blonsky Title General Manager

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

REMARKS Very poor performance this month, mainly on account of absence of mine foreman, who was sick the whole of January

(Instructions on reverse)

(For Government use only)

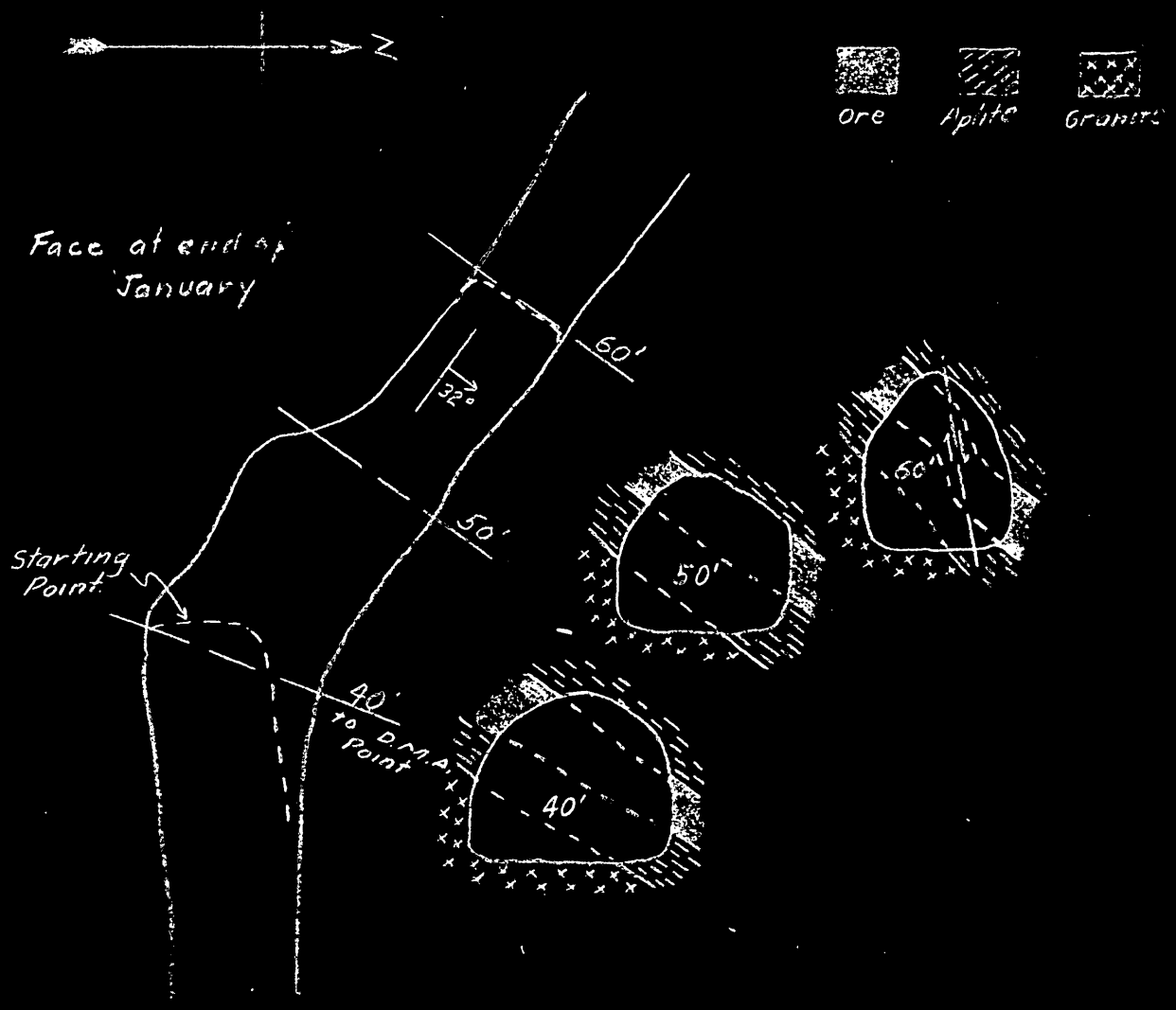
INSTRUCTIONS

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".

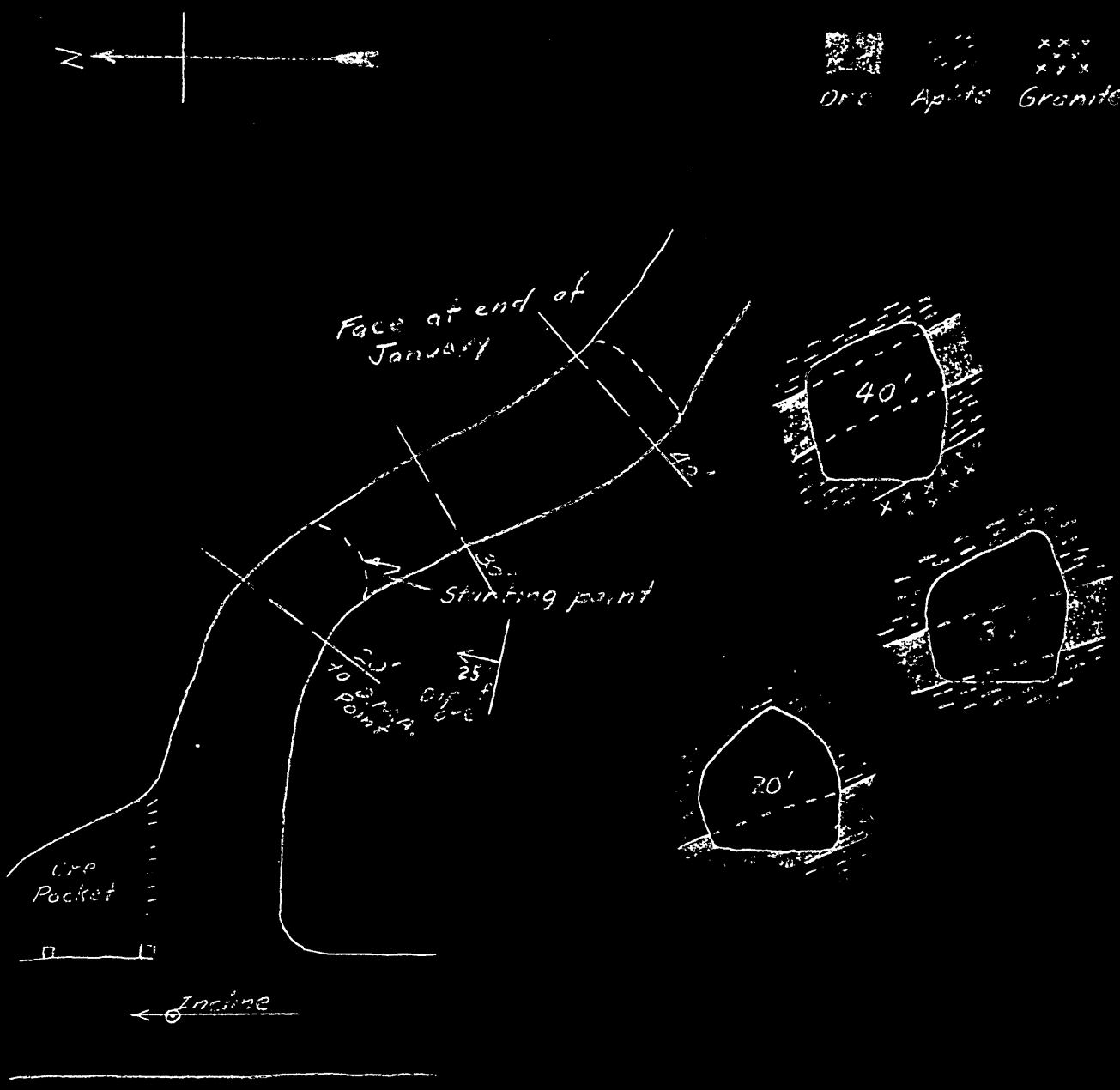
In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active 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



WOTHREE MINES
WILLIAMS TUNGSTEN MINE
JANUARY, 1954 ADVANCE
D.M.A. Drift 150W

Scale: 1in.=8ft. Drawn by R.M.C.



NORTHERN MINES
WILLIAMS TUNGSTEN MINE
JANUARY 1954 ADVANCE
D.M.A. Drift 120 E
Scale: 1in=8ft Drawn by [illegible]

400

Memorandum

February 23 1954

To : Walter B. Storms, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : John F. Haynes, Mining Engineer, Tucson, Arizona

Subject : Progress Report for January 1954, Docket DMEA-2957, Contract Idm-E632, Carl Hovgard (Wothree Mines), Williams Tungsten Mine, Mohave County, Ariz.

In accordance with your request the Williams Tungsten mine was visited on February 11, 1954. Ralph M. Conrad, general superintendent, accompanied the inspecting engineer and assisted with the measurement of the advance. As of the date of inspection, exploration drift P-2, 120-foot level, had been advanced to a point 67.0 feet west of the winze, and exploration drift P-1, 150-foot level, had been advanced to a point 105.1 feet east of the winze. These are net gains of 41.5 feet and 36.5 feet respectively, and exceed the advance of 18 feet in each drift as reported by the operator. No further work has been done in exploration drift P-3, "0" level, pending arrival of authorization to begin the raise from that drift. However, the results of assays of two samples of the vein from that drift are now available and are as follows:

No. 12946 - 0.63 percent WO_3 - 0.02 percent Cu
No. 12947 - 0.28 percent WO_3 - 0.02 percent Cu

The first sample was taken at a point 15 feet from the starting point where the vein is 18 inches wide, and the second sample was taken 38 feet from the starting point where the vein was 10 inches wide.

Apparently Blonsky is still not satisfied with the terms of the contract nor with any of his transactions with DMEA. He was critical of everything from the conduct of the examination, through the administration of the contract. He maintains that he was forced to sign the contract by threats from DMEA officials to the effect that approval of his loan would either be denied or delayed several months. He maintains that DMEA is entirely too strict in its interpretation of

cc W. H. King (Orig. & 6)
DMEA-2957
RV

JFHaynes:frj

allowable work under the contract and that all DMEA representatives are dictatorial in their attitude towards the operator. He maintains that the operator is told exactly what to do and that he is allowed no part in making decisions as to the actual location of the work approved in the contract. In other words, Blemsky is very unhappy about the contract with DMEA.

The 36 feet of drifting which the operator reports for January are in accordance with the provisions of the contract and are approved. The contract provides for Government participation to the extent of 75 percent of the agreed estimated cost of $30.00 per foot of drift. The total cost of the 36 feet of drift was $1,080.00 and the Government's agreed part is $810.00. It is recommended that the operator be paid this amount.

John F. Haynes

John F. Haynes, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

400

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

224 New Customhouse
Denver 2, Colorado

February 3, 1954.

WSM

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract No. Idm-E632, Carl Hovgard's Williams Tungsten Mine, Mohave County, Arizona.

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data pertaining to work under the subject contract for the month of December 1953.

W H King
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

January 26, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2957 (Tungsten), Contract No, Idm-E632, Carl Hovgard's Williams Tungsten Mine, Mohave County, Arizona. Operator's Monthly Progress Report for the period December 1953.

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

Work has been completed as authorized by the contract. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks:

Date of Report	January 13, 1954.
Date Received in Field Office	January 18, 1954.
Date Received in Region Office	January 25, 1954.

W. H. King

Enclosures

RDB:cwm

cc: Contract
Secretary to the Oper. Comm. (2)
WRStorms
Chron.

January 22, 1954

Memorandum

To : W. H. King, Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : November 16 - December 31, 1953 Progress Report, Contract Idm-8532, Docket DMEA-2957, Carl Hovgard's Williams Tungsten Mine, Mohave County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report with map;

(3) Forms MF-104 and MF-104A.

Also enclosed are 2 extra copies of our engineer's report.

As all work is in accordance with the terms of the contract, I recommend that the Government's share of the costs be paid, if it is permissible for George B. Klomsky to sign the Forms MF-104 and MF-104A, instead of Carl Hovgard, with an address of Kingman, Ariz., instead of Abilene, Tex.

Walter R. Storms

Walter R. Storms

CC W. H. King (6)
DMEA-2957
MF

WRSTerms:frj

January 22, 1954

Memorandum

To : Walter R. Storms, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : William R. Hardwick, Mining Engineer, Tucson, Ariz.

Subject : Progress Report Nov. 16 to Dec. 31, 1953, Docket DMEA-2957, Contract Idm-E533, Carl Hevgard's Williams tungsten mine, Mohave County, Arizona.

A narrative report, maps, and forms MF-104 and MF-104A were received in the Tucson office of the U. S. Bureau of Mines on January 18, 1954. The mine was visited on January 19, 1954 and the work reported on those forms was measured. Mr. Ralph M. Conrad, General Superintendent for the operator, assisted in measuring the progress.

Following the vein on the "0" level, the operator drove a drift 75.1 feet S. 80° E., then turned and drove S. 55° E. for 24.9 feet. This makes a total advance of 100 feet for the period.

The vein increased in thickness to a point 15 feet beyond the start, then thinned to a point 50 feet from the start, where it split into two parallel veins. This split continued to the end of the drift. The maximum thickness of the vein was 18 inches and the average thickness was approximately 10 inches. After the vein split, each part was very thin, probably averaging less than 2 inches in thickness.

No assays were available. Two samples were taken by the writer. The results will be reported when assays are received. The operator has also taken samples which he promises to report when his assay equipment is installed. The vein material contained wolframite crystals at several points. At a point 15 feet east of the starting point, wolframite crystals were most plentiful. Crystals of Apatite, quartz, and light colored mica also were evident.

The vein is so thin for the distance exposed on the "0" level that it is questionable whether any ore can be mined. The vein exposed on the 120 level is much thicker and there is some indication that the vein may widen above the "0" level. The

CC W. H. King (Orig. & 6)
DMEA-2957
BF

WRHardwick:frj

operator has requested permission to drive a 90-foot raise along the plane of the vein, starting at a point approximately 15 feet east of the starting point of the DMEA drift on the "O" level. This raise will determine whether or not the vein widens to a minable width above the "O" level at the point where tungsten minerals are evident. It is recommended that the operator be authorized in writing as provided in the contract to drive a raise at this point.

The following conditions should be incorporated in the authorization:

1. The raise must be in the vein or include the vein;

2. The raise must be sampled at 10-foot intervals and the width of the vein at the point sampled must be reported.

The 100 feet of drifting which the operator reports for the period are in accordance with the provisions of the contract and are approved. The contract provides for Government participation to the extent of 75 percent of an agreed estimated cost of $30.00 per foot of drift. The total cost of the 100 feet of drift was $3,000.00 and the Government's agreed part is $2,250.00. It is recommended that the operator be paid this amount.

William R Hardwick

William R. Hardwick, Mining Engineer
Mining Methods Branch
Mining Division, Region IV.

NORMAN D. FITZGERALD
OWNER

GEORGE B. BLONSKY
GENERAL MANAGER

WOTHREE MINES
P. O. BOX 448
KINGMAN, ARIZONA.

January 13, 1954.

NARRATIVE REPORT ON WORK DONE DURING PART OF NOVEMBER AND ALL OF DECEMBER 1953
on
Contract Idm - E632
Docket DMEA - 2957
Williams Tungsten Mine
Mohave County, Arizona.

Starting points on the above Government Contract, issued to Mr. Carl Hovgard, were established by Mr.R. W. Ageton, engineer for the D.M.E.A., on November 9th and 10th, 1953. Work commenced underground on November 16, 1953, but considerable preparatory work was necessary, before the exploratory drifting under the "Exploration Project Contract" could commence. Pipe lines have been installed, ore pockets cut, track repaired, and a slusher slide installed in the inclined winze.

Actual work under the contract commenced in the easterly drift on the "0" level on November 30, 1953. The drift was slabbed on the H.W. side to bring the vein into view and then driften on, holding the vein in the drift. By year's end, December 31, 1953, the 100 ft. of drifting in this area under contract had been completed.

The area drifted through on the "0" level showed considerable movement. At 40 feet from the cross-cut the strike of the vein curved from S-35°-E to S-80°-E within 15 feet on the strike. At 60 feet from the cross-cut, the aplite in which the ore normally occurs, pinched out and the vein continued with a 25° dip and S-80°-E ~~strike~~ strike in granite. At 110 feet from the cross-cut the strike varied from S-80°-E to S-60°-E and two definite veins are present. At this point burn cuts were put in both the H.W. and F.W. to check structure. No aplite was encountered on either side, but additional mineralization showed in the F.W. The accompanying sketches and cross-sections will clarify the above brief description of the geology encountered.

Our laboratory has not been set up to date, hence assays are not available. Wolframite has been visually present at all times however, and extremely high grade stringers have been present in the vein in some areas.

Work has commenced in the "120" level drift easterly, but no advance was recorded up to December 31, 1953. On the "150" level to the west drifting should begin in mid-January. No raises have been started to date, awaiting Government approval of proposed locations.

For: CARL HOVGARD, dba WOTHREE MINES

George B. Blonsky

George B. Blonsky.
General Manager.

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

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

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

Month of December 195 3 Docket No. DMEA 2957 Contract No. Idm-2632
Operator's Name Carl Hovgard, dba Bothree Mines Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona.
Contract Amount, $ 33,000.00 Government Participation: 75 % Amount, $ 24,750.00

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) [redacted] Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting 100 feet	$3,000.00	none	$3,000.00			
(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 100 ft.	$3,000.00	None	$3,000.00	$3,000.00	None	$3,000.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Jan.13,'54 *Payee Carl Hovgard,dba Bothree Mines
Per George B. Blounty Title General Manager

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

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

(Instructions on reverse)

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

$2350.00

Signature [illegible]
(Authorized Certifying Officer)

Date 2/2/54 Vou. DMA 54-77

(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. Day E-634 in accordance with the terms of the contract.

Signature William C. Hardwick Title Mining Engineer Date 1/22/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.D.B.

Signature W H King Title Executive Officer Date JAN 26 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 3 Docket No. DMEA 2957 Contract No. Idm-3632
Operator's Name Carl Howgard, dba Cothree Mines, Minerals Tungsten
Address P.O. Box 47, Kingman, Arizona.

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	100'	3000.00	100'	$3000.00	100'	$3000.00	925'	$30.00
Crosscutting								
Raising							175'	$30.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$3000.00	100'	$3000.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$3000.00	100'	$3000.00				$33,000.0

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 Jan. 13, '54 Operator Carl Howgard dba Cothree Mines

Per George B. Blomley Title General Manager.

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

130E
120E
110E
100E
90E
80E
70E
60E
50E
40E
30E
Station point