DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

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

To: Statistics Branch (Code 210)

From: Division of Minerals, OME

DMEA No.	Operator	Report Period	Contract No.
3173	Johnson Brothers and Prime	7.1-12.31.58	Idm-E657

ORE ESTIMATES

	Tons	Analysis
DMEA	4,000	1.18 % WO_3
Operator to date	--	
Total	4,000	1.18 " "
Production to date	1,843	1.18 " "
Ore in ground	2,157	1.18 " "

INVESTMENT

None reported

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

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

No change since last report. Mine idle and flooded, equipment removed.

About 750 lbs. concentrate, estimated to run 50% WO_3, is stored at Ralph Johnson's house in Lafayette, Colorado

c.c. to mmt

Prepared by Stephen P. Holt Date 2.9.60

31398

DMEA Form 18
Feb. 58

D[redacted]NSE MINERALS EXPLORATION ADMIN[redacted]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	DMEA No.	Operator	Contract No.
1.1-6.30.57	3173	**Johnson Brothers and Prime**	Idm-E657

ORE ESTIMATES

	Tons	Analysis
DMEA	4,000	1.18 % WO_3
Operator to date		
Total		
Production to date	1,843 *	1.18 " " *
Ore in ground	2,157 *	1.18 " " *

INVESTMENT

Type	Size	Feet	Cost
Shafts			
Winzes			
Drifts and Crosscuts	4' x 6'	380	$11,400 (est. - split check)
Raises	4' x 8' 4' x 7'	210 60	6,300 (est.) 1,800 (approx.)
Drilling	Type		
Rehabilitation	Description		

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

Johnson and Prime have 750 pounds of about 50 percent concentrate stockpiled from the Hoosier. The mine will not be reopened in the foreseeable future, even if the government price is restored, according to Johnson.

All equipment has been removed from the mine workings, and the mine allowed to flood. The hoist is still installed.

* **Computed from units of WO_3 recovered, assuming DMEA reserve grade and 65% mill recovery.**

Prepared by S. P. Holt Date 3.6.58

3.18.58 (rev.)

31398

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. 400		
2.		
3.		
4.		
5.		
FROM:		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

Should payment of royalty on production on hand be requested at this time? (Article 6(a))

L. E. F.

See memo of Mar. 17, 1959 to Reg III. S.P.H.

INT.-DUP. SEC., WASH., D.C. M25803

OFFICIAL FILE COPY O. M. E. RECEIVED FEB 5 1959		
DATE	INITIALS	CODE
2/5/59	[illegible]	225
"	[illegible]	110
"	[illegible]	800
2/9	WSM	400

UNITED STATES
DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration
224 New Customhouse
Denver 2, Colorado

January 30, 1959

Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1958 through December 31, 1958

DMEA Docket 3173 (Tungsten)
Contract Idm-E 657
Johnson Brothers and Prime (Hoosier Mine)
Boulder County, Colorado

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.

J. W. Townsend

Enclosures

cc: Semiannual Report File Idm-E 657
Harshman
Belser, OME/DFC
Chron.

Semiannual Report of Certified Projects

Reporting Period July 1, 1958 through December 31, 1958

Docket and Contract Number DMEA 3173, Idm-E657

Operator Johnson Brothers and Prime

Commodity Tungsten

Mine Name Hoosier Mine

County and State Boulder County, Colorado

Date of Contract January 18, 1954

Date of Certification March 12, 1956

Expiration Date of Royalty Payments January 18, 1964

Date of Examination for this Report January 14, 1959

Total Amount of Contract $ 38,000.00

Total Expenditures under Contract $ 37,744.00

Amount of Government Participation at 75 % $ 28,308.00

Royalty Payments this Period None

Previous Royalty Payments $ 3,982.37

Total Royalty Payments to Date $ 3,982.37

% Loan Repayment Completed 14.07%

Amount of Royalty Due None

Royalty Remarks

DMEA 3173, Idr. F657

	Tons	Analysis
Original Estimate of DMEA Reserve (Field Team Final Report) Mines ☐ Survey ☐ Joint ☐	4,000	2,000 S.T.U. Recoverable
Revised Estimate of DMEA Reserves (Field Team) Mines ☐ Survey ☐ Joint ☐		
Increase of Reserves by work performed subsequent to DMEA project work	None	
Production DMEA ore (This period)		
(Previous)	50.679	1,413.3647
(To Date)		
" Operator's ore (This period)		
found subsequent (Previous)		
to DMEA work (To Date)		

Percent Revised Reserves Mined 50.48%

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible ☐ Applied for ☐ Rec'ing pmt ☐ Paid up ☐

Pounds U_3O_8 produced this period eligible for Bonus

Amount of Bonus paid to Operator this period $

Total pounds U_3O_8 produced to date eligible for Bonus

Total amount of Bonus paid to Operator to date $

Bonus Royalty Paid $

Bonus Royalty Due $

Investment Data

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

About 750 lbs. estimated to run 50 percent WO_3 is stored at Ralph Johnson's house in Lafayette, Colorado.

Signed Earl Belcher (Engineer)

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

February 18, 1958

ORIGINAL FILE COPY
DMEA
RECEIVED FEB 21 1958

DATE		
2/21	C	220
21	Com	100
"	RG	110
2/24	EEB	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, 1957 to December 31, 1957

DMEA Docket 3173 (Tungsten)
Contract Idm-E 657, Johnson Brothers and Prime (Hoosier mine) Boulder County, Colorado

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.

Wesl King

Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM:jy

cc: Semiannual Report File E 657
Harshman
DMEA,DFC - 2
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
FEB 6 - 1958
REGION III
DENVER, COLORADO

DMEA, REGION III

Statement in Lieu of Semiannual Report

Reporting Period July 1, 1957 to December 31, 1957
Docket and Contract Number Docket No. 3173, Contract Idm-E657
Operator Johnson Brothers and Prime (Hoosier 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:

All equipment was removed from mine workings. Mine did not operate in the last 6 months.

Signed Carl Belser
Carl Belser

Date 1/29/58

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 7-11

3173

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chamberg~~
4. Docket Control Mails and Files
5. _____ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Closed down
2.
3.
4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Robert E. Adams

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

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DMEA
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DATE	INITIALS	CODE
7-11	C	226
"	COM	100

July 5, 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 3173 (Tungsten)
Contract Idm-E 756, Johnson Brothers and Prime (Hoosier Mine)
Boulder County, Colorado

Enclosed are the original and ~~three~~ Two 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
~~W. H. Travers~~
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM/vj

cc: Semiannual Report File E 657
Royalty File E657
Harshman
DMEA/DFC
Chron.

Semi-Annual Report of Certified Projects

Reporting Period January 1, 1957 to June 30, 1957

Docket and Contract Number Docket DMEA 3173, Idm-E657

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

Operator Johnson Brothers and Prime

Commodity Tungsten

Mine Name Hoosier Mine

County and State Boulder County, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 18 1957

DATE	INITIALS	COPY

Date of Contract January 18, 1954

Date of Certification March 12, 1956

Expiration Date of Royalty Payments January 18, 1964

Date of Examination for this Report June 12, 1957

Total Amount of Contract $38,000

Total Expenditures under Contract $37,744

Amount of Government Participation at 75 % $28,308.00

Royalty Payments this Period $188.76

Previous Royalty Payments $3,793.61

Total Royalty Payments to Date $3,982.37

% Loan Repayment Completed 14.07 %

Amount of Royalty Due None

Royalty Remarks Johnson and Prime have 750 pounds of about 50% concentrates stockpiled from the Hoosier. The mine will not be reopened in the forseeable future, even if the government price is restored, according to Johnson.

	Tons	Short ton units ~~Analysis~~ WO_3
Original Estimate of DMEA Reserves (Field Team Final Report) Mines ☐ Survey ☐ Joint ☐	4,000	2,000 S.T.U. recoverable
Revised Estimate of DMEA Reserves (Field Team) Mines ☐ Survey ☐ Joint ☐		2,800 S.T.U.
Increase of Reserves by work performed subsequent to DMEA project work	None	
Production DMEA ore (This period)	1.453	76.3697
(Previous)	49,226	1,336.995
(To date	50.679	1,413.3647
" Operator's ore (This period)		
found subsequent (Previous)		
to DMEA work (To date)		

Percent Revised Reserves Mines 50.48

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible ☐ Applied for ☐ Rec'ing pmt ☐ Paid up ☐

Pounds U_3O_8 produced this period eligible for Bonus _____

Amount of Bonus paid to Operator this period $_____

Total pounds U_3O_8 produced to date eligible for Bonus _____

Total amount of Bonus paid to Operator to date $_____

Bonus Royalty Paid $_____

Bonus Royalty Due $_____

Investment Data

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

Raises Size	Raises Feet	Raises Cost	Drilling Type & Size	Drilling Feet	Drilling Cost	Rehabilitation Description	Rehabilitation Cost
4' x 7'	60' on Hummer vein	$1800 approx.					

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

All equipment has been removed from the mine workings, and the mine allowed to flood. The hoist is still installed.

Signed W. J. Tesch Jr. (Engineer)
W. J. Tesch, Jr.

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

224 New Customhouse
Denver 2, Colorado

Date: February 27, 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 3173 (Tungsten)
Contract Idm-E 657, Johnson Brothers & Prime (Hoosier Mine), Boulder County, Colorado

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.

E. N. Harshman

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

Enclosures
MHM/vj
cc: Semiannual Report File E 657
J. F. Shaw (2)
E. N. Harshman
Chron.

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DMEA
RECEIVED MAR 1 1957

DATE	INITIALS	CODE
3/1	C	220

M

Semi-Annual Report of Certified Projects

Reporting Period July 1 to December 31, 1956

Docket and Contract Number Docket DMEA 3173, Idm-E657

Operator Johnson Brothers and Prime

Commodity Tungsten

Mine Name Hoosier Mine

County and State Boulder County, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
FEB 25 1957
REGION III
DENVER, COLORADO

Date of Contract January 18, 1954

Date of Certification March 12, 1956

Expiration Date of Royalty Payments January 18, 1964

Date of Examination for this Report February 6, 1957

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DMEA
RECEIVED MAR 1 1957

DATE	INITIALS	CODE

Total Amount of Contract $38,000.00

Total Expenditures under Contract 37,744.00

Amount of Government Participation at 75 % $28,308.00

Royalty Payments this Period None

Previous Royalty Payments $3,793.61

Total Royalty Payments to Date $3,793.61

% Loan Repayment Completed 13.40 percent

Amount of Royalty Due None

Royalty Remarks

	Tons	Short ton units ~~XXXXXXX~~ WO_3
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [ ]		2,000 s.t.u. (recoverable)
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]		2,800 s.t.u.
Increase of Reserves by work performed subsequent to DMEA project work	None	
Production DMEA ore (This period)	None	
(Previous)		
(To date)	49.226	1,336.995 s.t.u.
" Operator's ore found subsequent to DMEA work (This period)		
(Previous)		
(To date)		

Percent Revised Reserves mined 47.75

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible [ ] Applied for [ ] Rec'ing pmt [ ] Pd up ____

Pounds U_3O_8 produced this period eligible for Bonus ____

Amount of Bonus paid to Operator this period $____

Total pounds U_3O_8 produced to date eligible for Bonus ____

Total amount of Bonus paid to Operator to date $____

Bonus Royalty Paid $____

Bonus Royalty Due $____

Investment Data

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost
						4' x 6'	380	$11,400 (est.) split-check

Raises Size	Raises Feet	Raises Cost	Drilling Type & Size	Drilling Feet	Drilling Cost	Rehabilitation Description	Rehabilitation Cost
4' x 8'	210	$6,300 (est.)					

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

Signed D. E. Redmon (Engineer)
D. E. Redmon

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

RECEIVED
OCT 11 1956

224 New Customhouse
Denver 2, Colorado

Date: October 8, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 18, 1954 through June 30, 1956
DMEA Docket 3173 (Tungsten)
Contract Idm-E 657, Johnson Brothers & Prime (Hoosier Mine), Boulder County, Colorado

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.

E. N. Harshman

Acting Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM/vj
cc: Semiannual Report File E 657
J. F. Shaw (2)
E. N. Harshman
Chron.

Semiannual Report of Certified Projects

RECEIVED
OCT 11 1956

DMEA
DEPARTMENT OF THE INTERIOR
OCT 4 1956
REGION III
DENVER, COLORADO

Reporting Period **January 18, 1954 to June 30, 1956**

Docket and Contract Number **DMEA 3173, Idm-E657**

Operator **Johnson Brothers and Prime**

Commodity **tungsten**

Mine Name **Hoosier mine**

County and State **Boulder County, Colorado**

Date of Contract **January 18, 1954**

Date of Certification **March 12, 1956**

Expiration Date of Royalty Payments **January 18, 1964**

Date of Examination for this Report **September 26, 1956**

Total Amount of Contract **$38,000.00**

Total Expenditures under Contract **$37,744.00**

Amount of Government Participation at 75 % **$28,308.00**

Royalty Payments this Period **$3,793.61 (also $3.00 overpayment)**

Previous Royalty Payments **0**

Total Royalty Payments to Date **$3,793.61**

% Loan Repayment Completed **13.40**

Amount of Royalty Due . **none**

Royalty Remarks

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

400

RECEIVED
MAR 22 1956

224 New Customhouse
Denver 2, Colorado

March 19, 1956

WSM

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime, (Hoosier and Phillips Claims), Boulder County, Colorado - FINAL SETTLEMENT

Enclosed are two copies of a memorandum to T. A. Christensen dated March 13, 1956, relative to final settlement under the terms of the subject contract.

W. M. Traver

Enclosures

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

RECEIVED
MAR 22 1956

224 New Customhouse
Denver 2, Colorado

March 13, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime, Hoosier and Phillips Claims, Boulder County, Colorado

The Operator's Final Engineering and Geologic Report covering operations under the subject contract has been received and a Report of Review of contract expenditures has been completed by the Contract Administration and Audit Division, DMEA.

Records in this office and in the Finance Office indicate that the Operator has been reimbursed in the amount of $28,308.00 which is in agreement with the amount found to be the valid and proper payment to the Operator in the Report of Review dated March 9, 1956 which was released to this office on March 9, 1956. Payment on the final Form MF-104, Monthly Report and Voucher for the period May, 1955 constitutes final payment.

Recapitulation

Total cost as billed by Operator	$37,744.00
Exceptions	0.00
Total Accepted Cost	$37,744.00
Government participation at 75 percent	$28,308.00
Total payments to Operator to date	$28,308.00
Balance due the Operator	$ 0.00

W. M. TRAVER

W. M. Traver

JDC:jy
cc: MF-104 File E657
Sec. Op. Comm. (2)
Shaw (2)
Townsend Chron.

3/16/56

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

224 New Customhouse
Denver 2, Colorado

June 22, 1955

If operator plans to do more work on dump site this must show some promise.
WSM
6/29/55

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3173 (Tungsten), Contract Idm-E657, Johnson Bros., and Prime, (Hoosier mine), Boulder County, Colorado

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, 1955.

W. M. Traver

Enclosures

RECEIVED
JUN 8 1955

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

Administrative Audit Difference Statement

Date: June 14, 1955
Payee's
Reference: May 1955

Ralph Johnson
P. O. Box 336
Nederland, Colorado

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 $ 1600.00

Difference $

Amount Approved $* 1200.00

The reason for the difference was due to:

* 200.00 withheld pending receipt of the final engineering and geological report 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.

224 New Customhouse
Denver 2, Colorado

June 10, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3173 (Tungsten), Contract Idm-E657, Johnson Bros., and Prime, (Hoosier mine), Boulder County, Colorado - Operator's Monthly Progress Report for the month of May, 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 per cent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report, except that the sum of $200.00 is to be withheld from reimbursement to the Operator pending receipt of the Operator's final engineering and geologic report and until release to this office of a Report of Review of contract expenditures by the Contract Administration and Audit Division.

Remarks:

Date of Operator's Report.....June 2, 1955
Date report received in DMEA field office..June 6, 1955
Date report received in Regional office...June 10, 1955

W. M. TRAVER

W. M. Traver

Enclosures
JWT:pw
cc: Subject
Chron
Sec.Op.Comm. (2)
Shaw
Townsend

DMEA
Date Rec'd.
JUN 10 1955
BUREAU OF MINES

Region III

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
June 9, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: W. H. King, for
John F. Shaw

WHK

From: N. L. Bolmer

Subject: DMEA 3173, Contract Idm-B657 (Tungsten) Johnson Brothers and Prime (Hoosier mine) Boulder County, Colorado - Progress report for May 1955

The progress reported this period under the subject short-form contract--an additional 50 feet of drifting easterly along the Hummer vein on the 225-foot level of the Hummer shaft--was verified during an inspection of the property June 6, 1955.

Project work was recessed, with the approval of the Field Team, during the month of April 1955 and no report for that period was submitted by the operator.

The progress reported during May completes the 200 feet of drifting authorized under Stages II and III of the contract. Except for 8 feet of Stage II crosscutting, which was not and will not be performed, all of the exploration authorized and the contract has now been completed. The completion date of the final work under the contract can be as considered May 31, 1955.

The details and the data to be included in the operator's final project report were discussed with Ralph Johnson. It is expected that this report will be submitted shortly.

On the date of the latest inspection, the drift along the Hummer vein had been advanced a total of 213 feet northeasterly from the 225-foot level crosscut. The heading was advanced 63 feet during May; the final 13 feet of the drift, which are in excess of the 200 feet authorized under the contract, were completed at the expense of the operator.

The drift advance during May remained in pegmatite to a distance of approximately 185 feet from the crosscut. In the pegmatite, the Hummer vein continued as a well-defined structure, but, for the most part, remained unmineralized. The final 28 feet of the heading was in aplite and granite. In this rock the vein contained from 1 to 2 inches of ferberite. Although some of the mineral along this section of the vein was highly siliceous,

much of it occurred as high-grade, crystalline ferberite. The operator ultimately will explore this showing by advancing the drift farther easterly and probably by raising. Certain sections of the vein occurring in the pegmatite at distances between 110 and 140 feet from the crosscut also contained minor amounts of tungsten mineral. These sections also will be tested further by the operator.

The work completed and reported for reimbursement during the May period conforms with the terms of the contract. The final 50 feet of drifting on the Hummer vein was performed under the authority of Stage III of the contract and with the prior approval of the Government. The $1,600 total costs reported for the period on the operator's MF-104 forms--equivalent to the completed 50 feet of drifting at the agreed upon unit price of $32.00 per foot--are approved. Reimbursement to the operator of 75 percent of the reported costs, or $1,200.00, is recommended. Inasmuch as this will be the final amount due the operator under the terms of the contract, the usual percentage should be withheld until the operator's final project report has been received and the other details relating to the closing of the contract have been resolved.

The units of work and the cost distribution shown on the operator's MF-104A forms for the period are correct and correspond to the equivalent cost totals shown on the MF-104 forms.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

enclosures

cc 6
E657
DMEA Chron.

RLB/pah

Nederland, Colorado
June 2, 1955

RECEIVED
JUN 2 1955

RHB

U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Gentlemen:

Narrative report on Hoosier mine for month of May, 1955:

Johnson Bros. & Prime (Operator)
Docket No. DMEA 3173
Contract No. Idm E657 (Tungsten)

Continuing drift east on Hummer vein from cross cut on 225 ft. level of Hoosier shaft, for a total distance of 200 feet from cross cut.

Formation: Pegmatite changing to granite at approximately 185 ft. from cross cut. Vein while in pegmatite showing small amount of horn quartz, changing to horn and ferberite in the granite.

Very truly yours,

JOHNSON BROS. & PRIME

Ralph Johnson

Ralph Johnson

iq

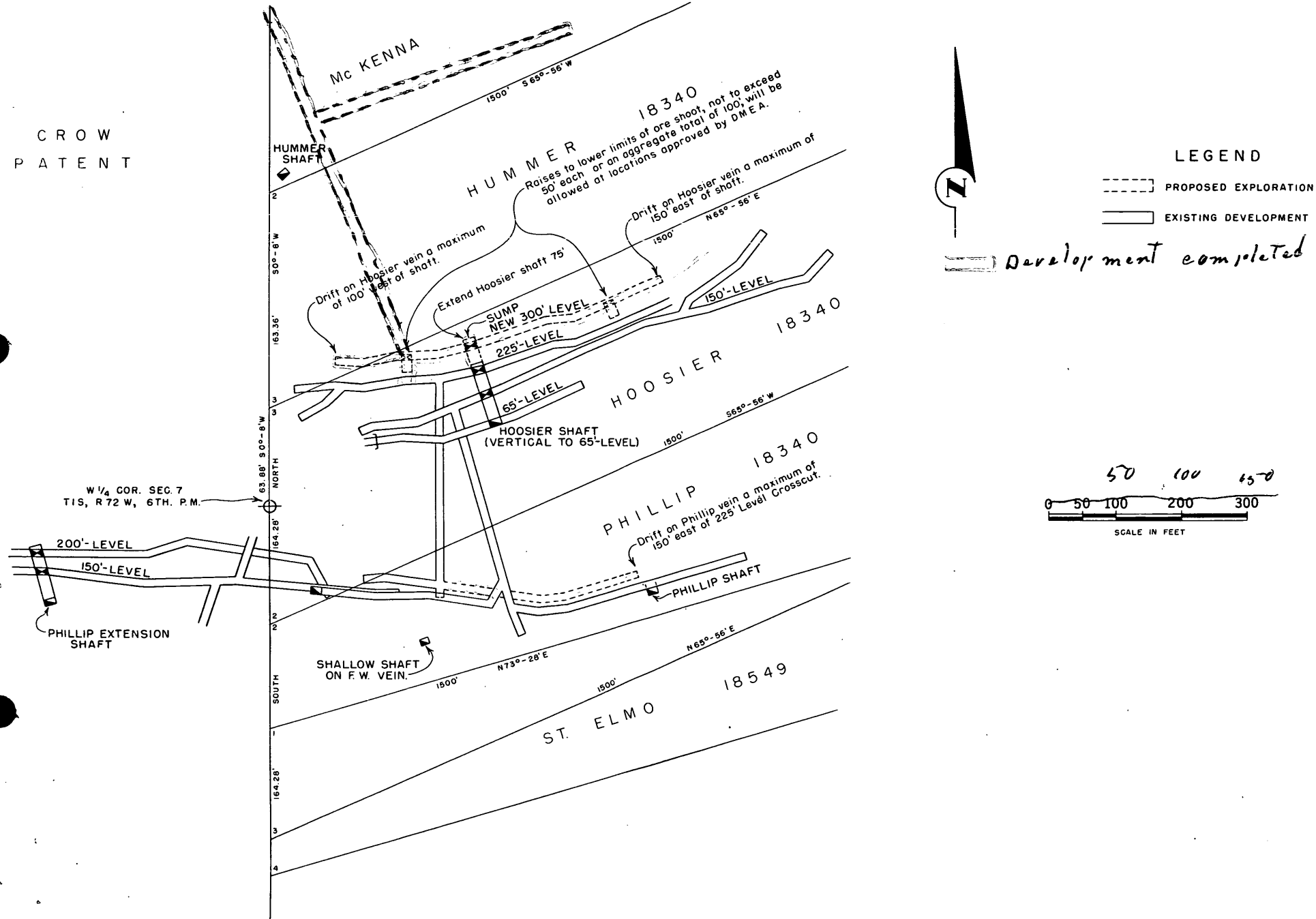

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

Original Estimate of Reserves
(from Final Engr.-Geol. Report): 4,000 tons - 2,800 recoverable s.t.u. U_3O_8

Increase of Reserves by work performed subsequent to expiration or termination of contract: Height - 85 feet instead of 130 feet
Rest of ore below 225 foot level

Revised Estimate of Reserves: 2,800 s.t.u. WO_3

Production this Period (Ore or Concentrates) 49,226 dry tons - 1,336.995 s.t.u. WO_3

Amount of Previous Production (since date of contract)

Total DMEA Production to date 49.226 dry tons - 1,336.995 s.t.u.

% of Revised Reserves Mined 47.75

Production Remarks: Have an estimated 70,000 pounds of 60% WO_3 to ship. = 3500 units To 63 #220,500 ?

Note: On Uranium projects check with AEC to assure that our records are in agreement with theirs.

Market held back shipments.

Other Remarks: Stope up 85 feet above level before ore played out.
The ore below the tunnel level remains but requires sinking before it can be mined.

Signed Carl Belser (Engineer)
Carl Belser

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

RECEIVED
JUN 27 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 195 5 Docket No. DMEA 3173 Contract No. Idm E657
Operator's Name JOHNSON BROS. & PRIME Minerals Tungsten
Address P.O. Box 336, Nederland, 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	1600	50	$20800.00	650	$ 32.00		
Crosscutting	Feet			9344.00	292	32.00		
Raising	Feet			1600.00	50	32.00		
Shafts	Feet			6000.00	75	80.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$ 1600.00	50	$37744.00				$38,000.00

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 June 2, 1955 Operator JOHNSON BROS. & PRIME

Per Ralph L. Johnson Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

R. L. Bolmer

INSTRUCTIONS

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

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

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

GPO 83-38475

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1955 Docket No. DMEA 3173 Contract No. dm E657
Operator's Name JOHNSON BROS. & PRIME Minerals Tungsten
Address P.O. Box 336, Nederland, Colorado
Contract Amount, $ 38,000.00 Government Participation: 75 % Amount, $28,500.00

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~~ xxxxxx Sinking	$	6000.00	6000.00			
Crosscutting		9344.00	9344.00			
Drifting	$ 1600.01	9200.00	20800.00			
Raising		1600.00	1600.00			
(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	$ 1600.00	$ 36144.00	$ 37744.00	1600.00	36144.00	37744.00

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

Date 6/2/1955 *Payee JOHNSON BROS. & PRIME

Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 1000.00

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 6-14-55 Vou. No. DMA-55-97

(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. E 657 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1,200.00 w/k Title Mining Engineer Date JUN - 7 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Traver Title Executive Officer Date JUN 10 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.

400

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

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 22 1955

224 New Customhouse
Denver 2, Colorado

April 19, 1955

Memorandum

WSM

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3173 (Tungsten), Contract Idm-E657, Johnson Bros. and Prime (Hoosier mine), Boulder County, Colorado - Operator's Monthly Progress Report for the month of March, 1955.

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, 1955.

W. M. TRAVER

Enclosures

W. M. Traver

mf-104

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 22 1955

224New Customhouse
Denver 2, Colorado

April 12, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket-3173 (Tungsten), Contract Idm-E657, Johnson Bros. and Prime (Hoosier mine), Boulder County, Colorado - Operator's Monthly Progress Report for the month of March, 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 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 1, 1955
Date Received in Field Office.....April 4, 1955
Date Received in Region Office.....April 12, 1955

W. M. TRAVER,

W. M. Traver

Enclosures

RDB:sr

cc Sec. Op. Comm. (2)
Subject
Chron
Shaw

DMEA
Date Rec'd.

APR 12 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

BUREAU OF MINES
Denver, Colorado

Region III

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
April 11, 1955

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

Memorandum

To: Executive Officer, DMEA Field Team, Region III

WHK for JFS 2 1955

Through: John F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Bros. and Prime, (Hoosier mine), Boulder County, Colorado - Progress Report for March 1955.

The progress reported this period under the subject short-form contract--50 feet of drifting easterly along the Hummer vein from the 225-foot level of the Hoosier shaft--was verified during an inspection of the property April 5, 1955. To date, the authorized drift on the Hummer vein has been extended for a total distance of 150 feet northeasterly from the 225-foot level crosscut. The first 100 feet of this distance was authorized under Stage II of the contract. The final 50 feet was completed under the authority of Stage III of the contract and with the prior approval of the Government. It is indicated that the operator will request approval to extend the drift the full 100 feet stipulated under Stage III of the contract.

The drift advance this period remained in granite for a distance approximately 110 feet northeasterly from the crosscut. The final 40 feet of its advance during the period was in pegmatite. In the pegmatite, the Hummer vein is represented by a brecciated and vuggy zone up to 30 inches in width. The zone contains some horn quartz and minor amounts of ferberite. The tungsten mineralization along one short section of the zone appeared concentrated enough for commercial extraction. The vein zone exposed in the breast of the drift contained 6 to 8 inches of quartz and was mineralized. The structure at this location was strong and well defined and appeared promising enough to warrant the continuation of the drift for the additional and final 50 feet permitted, with the Government's approval, under Stage III of the contract.

The work completed during the March 1955 period conforms with the terms of the contract. The $1,600.00 total costs reported for the period on the operator's MF-104 forms--equivalent to the completed 50

feet of drifting at the agreed upon unit price of $32.00 per foot--are approved. Reimbursement to the operator of 75 percent of the approved amount, or $1,200.00, is recommended.

The units of work and the cost distributions shown on the operator's MF-104A forms are correct and correspond to the equivalent cost totals shown on the MF-104 form.

R. L. Balmer

R. L. Balmer
Mining Engineer

cc 6
Idm-E657
Chron

RLB/em

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 22 1955

Month of March, 1955 Docket No. DMEA 3173 Contract No. 14-20-67
Operator's Name Johnson Bros. & Price Minerals Tungsten
Address Box 336, Nederland, Colorado
Contract Amount, $ 38000.00 Government Participation: 75% Amount, $ 28500.00

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 Sinking		6000.00	6000.00			
Crosscutting		9344.00	9344.00			
Drifting	1600.00	17600.00	19200.00			
Raising		1600.00	1600.00			
(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	1600.00	34544.00	36144.00	1600.00	34544.00	36144.00

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

Date April 1, 1955 Payee JOHNSON BROS. & PRICE

Per Ralph Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 1,200.00

Signature Randolph Cooper
(Authorized Certifying Officer)

Date 4/15/55 Vou. No. DMA-55-83

(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. E657 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1,200.00 Title Mining Engineer Date APR 11 1955

APPROVED BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Berk.

Signature W. M. Maier Title Executive Officer Date APR 12 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
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 22 1955

Month of March 1955 Docket No. DMEA 3173 Contract No. Ian 3657
Operator's Name Johnson Bros. & Price Minerals Tungsten
Address P.O. Box 336, Nederland, 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	$1600.00	50	19200.00	600	32.00		
Crosscutting	Feet			9344.00	292	32.00		
Raising	Feet			1600.00	50	32.00		
Shafts	Feet			2000.00	75	00.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1600.00	50	$30144.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1600.00		$30144.00				

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 1, 1955 Operator JOHNSON BROS. & PRICE

Per Ralph Johnson Title Partner

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)

R. L. Bolmer

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

Nederland, Colorado
April 1, 1955

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 22 1955

U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Gentlemen:

Narrative report on Hoosier mine for month of March 1955:

Johnson Bros. & Prime (Operator)
Docket No. DMMA 3173
Contract No. Idm 2657 (Tungsten)

Continuing drift east on Burner vein from crosscut on 325 ft. level of Hoosier shaft, for a total distance of 150 feet on vein.

Formation: Pegmatite.

Vein up to 30 in. in width, barn quartz, with some ore showing.

Yours truly,

JOHNSON BROS. & PRIME

Ralph Johnson

Ralph Johnson

lq

R.G.B.

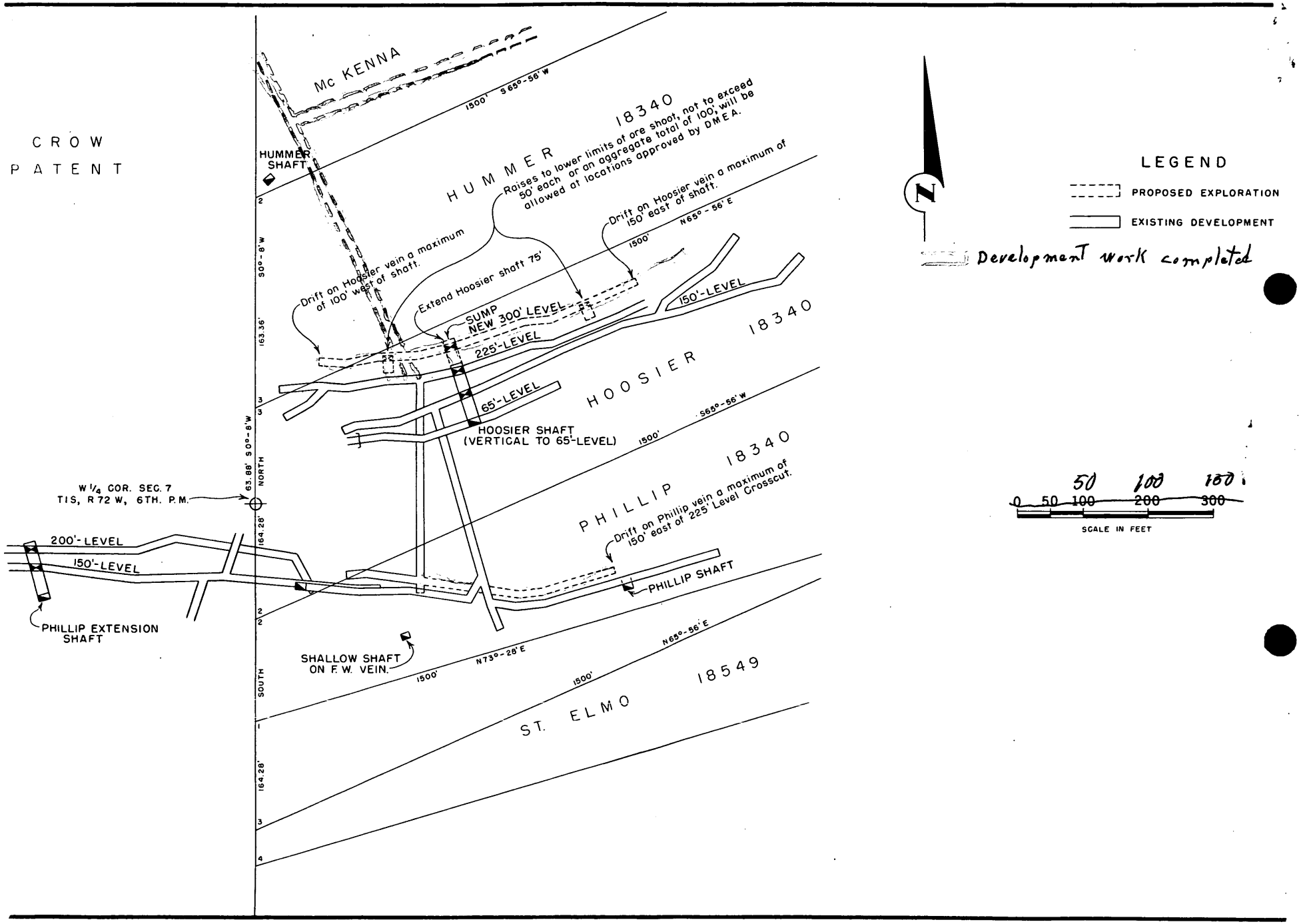

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

400

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

224 New Customhouse
Denver 2, Colorado

March 21, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier Mine), Boulder County, Colorado

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, 1955.

W. M. Traver

W. M. Traver

Enclosures

mf-104
Feb

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

224 New Customhouse
Denver 2, Colorado

March 10, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier Mine), Boulder County, Colorado - Operator's Monthly Progress Report for the period February 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.

Verbal approval for 50 feet of Stage III work was given to the applicant on February 24, 1955. This will be confirmed in writing by Region III Field Team in the near future.

Remarks:

Date of Report.....March 2, 1955
Date Received in Field Office.....March 4, 1955
Date Received in Region Office.....March 8, 1955

W. M. TRAVER,

W. M. Traver

Encls.

RDB:sr
cc Subject
Chron
Sec. Op. Comm. (2)
Shaw

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DMEA
Date Rec'd
MAR 3 1955
BUREAU OF MINES
Denver, Colorado

Region III

Building 20, Room 437
Denver Federal Center
Denver 2, Colorado
March 4, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw

From: R. L. Bolmer

WSM

Subject: DMEA 3173, Contract Idm-2657 (Tungsten) Johnson Brothers and Prime (Hoosier mine) Boulder County, Colorado - Progress report for February 1955

The progress reported this period under the subject short-form contract--59 feet of drifting easterly along the Hummer vein on the 225-foot level of the Hoosier mine--was verified during an inspection of the property March 1, 1955. The advance this period completes the 100 feet of drifting authorized easterly on the vein under Stage II of the amended contract. Stage III of the contract authorizes an additional 100 feet of drifting easterly along the vein if the Government approves it in advance.

The operator, on February 26, 1955, requested Government approval to extend the drift an additional 50 feet easterly on the vein. The approval of this recent request has been recommended to the Field Team.

The Hummer vein contained several inches of horn quartz and scattered ferberite mineralization where it first was intersected by the project crosscut. It remained well defined and similarly mineralized for a distance of about 30 feet east of the crosscut. Between 30 and 80 feet from the crosscut, the structure narrowed, was less well defined, and contained little, if any, quartz and no ferberite. Beyond 80 feet and extending to the present breast, quartz and minor amounts of ferberite again were encountered along the vein.

Is he out of his own ground? If so, by what right? 3/25/55

During the reporting period, the operator also performed certain non-contract exploration on the Hummer vein west from the project crosscut. On the date of inspection, a drift westerly along the vein had been extended some 45 feet from the crosscut. The vein in this direction was wider and contained somewhat greater amounts of mineral. A solid streak of ferberite, approximately 1 to 2 inches in width, was exposed along the final few feet of this heading.

A raise on the vein, started from the west heading at a distance of 13 feet from the crosscut, had been extended 16.5 feet above the rail level on the date of inspection. The structure exposed in the back of the raise was from 1 to 2 feet wide and also contained disseminated tungsten mineral.

The $1,888.00 total costs reported on the operator's MF-104 forms for the period--equivalent to the completed 59 feet of drifting at the agreed-

upon unit price of $32.31 per foot--are approved. Reimbursement to the operator of 75 percent of the approved costs, or $1,416.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc 6
E657
DMEA Chron.

Nederland, Colorado
March 2, 1955

U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Gentlemen:

Narative report on Hoosier mine for month of February, 1955:

Johnson Bros. & Prime (Operator)
Docket No. DMEA 3173
Contract No. Idm-E657 (Tungsten)

Continuing drift ea st on Hummer Vein, from crosscut on 225 ft level of Hoosier shaft for a total distance of 100 ft from point of beginning.

Formation: Granite.

Vein opening up, showing more quartz, with a small showing of ferberite.

Yours truly,

JOHNSON BROS. & PRIME

Ralph Johnson

Ralph L. Johnson

iq

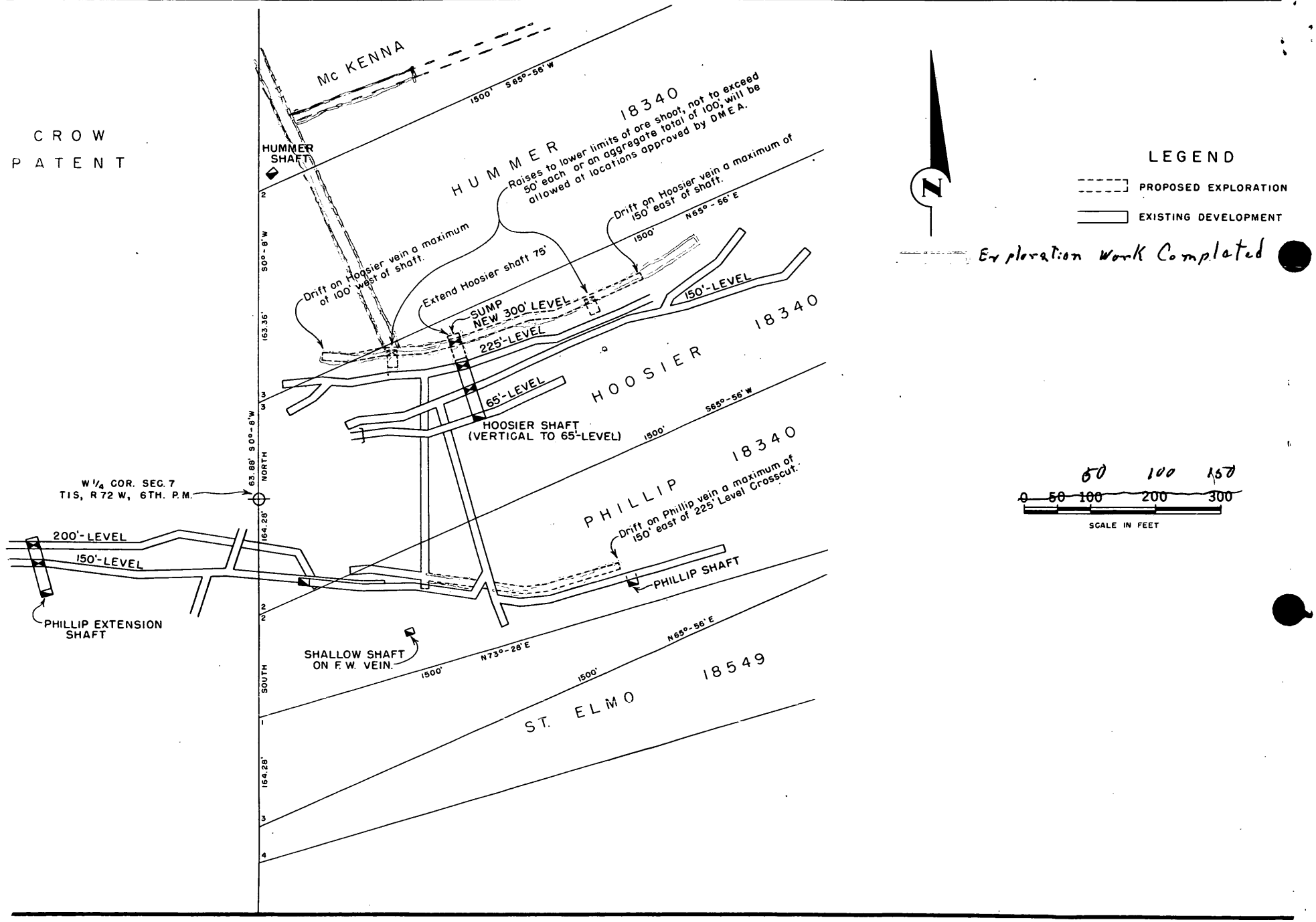

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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 February 1955 Docket No. DMEA 3173 Contract No. Idm-E657

Operator's Name Johnson Bros. & Prime Minerals Tungsten

Address P.O. Box 336, Nederland, Colo.

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	$1888.00	59	17600.00	550	32.00		
Crosscutting	Feet			9344.00	292	32.00		
Raising	Feet			1600.00	50	32.00		
Shafts	Feet			6000.00	75	80.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1888.00	59	34544.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1888.00		34544.00				

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 March 2, 1955 Operator Johnson Bros. & Prime

Per Ralph Johnson Title Partner

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

(Instructions on reverse)

(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

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, 1955 Docket No. DMEA 3173 Contract No. Idm-E657

Operator's Name Johnson Bros. & Prime Minerals Tungsten

Address P. O. Box 336 Nederland Colo.

Contract Amount, $ 38,000.00 Government Participation: 75 % Amount, $ 28,500.00

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 Sinking		6000.00	6000.00			
Drifting		9344.00	9344.00			
	1888.00	15712.00	17600.00			
Raising		1600.00	1600.00			
(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	1888.00	32656.00	34544.00	1888.00	32656.00	34544.00

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

Date Mar. 2, 1955 *Payee Johnson Bros. & Prime

Per Ralph Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 1,416.00

Signature [illegible] (Authorized Certifying Officer)

Date 3-11-55 Vou. No. DMA-55-70

(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. E657 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1,416.00 Title Mining Engineer Date MAR - 4 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Raver Title Executive Officer Date MAR 10 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 83-38476

400

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

224 New Customhouse
Denver 2, Colorado

February 23, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier mine), Boulder County, Colorado

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, 1955.

W. M. TRAVER,

Enclosures

W. M. Traver

MF-104
Jan 1955

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

Administrative Audit Difference Statement

Date: Feb. 17, 1955
Payee's Reference: January, 1955

Mr. Ralph Johnson
P. O. Box 225
Meeker, Colo.

Dear Mr. Johnson:

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

Amount Claimed	$ 2,500.00
Difference	$ 64.00
Amount Approved	$ 2,436.00

The reason for the difference was due to:

Claimed:	41 feet @ 032.00 per foot	1,376.00
Allowed:	41 feet @ 032.00 per foot	1,312.00
	Error in computation	64.00

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.

224 New Customhouse
Denver 2, Colorado

February 15, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten) Contract Idm-E657, Johnson Brothers and Prime (Hoosier Mine), Boulder County, Colorado - Operator's Monthly Progress Report for the period 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.

Remarks:

Date of Report.....Feb. 3, 1955
Date Received in Field Office.....Feb. 4, 1955
Date Received in Region Office.....Feb. 14, 1955

RDB:jp

W. M. TRAVER
W. M. Traver

Encls.

cc Subject
Chron
Shaw w/enc
Sec. to Op. Comm. w/enc

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region III

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
February 11, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw JFS

From: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-E657 (Tungsten) Johnson Brothers and Prime (Hoosier mine) Boulder County, Colorado - Progress report for January 1955

The progress reported this period under the subject short-form contract--37 feet of crosscutting and 41 feet of drifting on the 225-foot level of the Hoosier mine--was verified during an inspection of the property January 7, 1955.

The crosscut directed toward the Hummer vein was extended an additional 37 feet during the period for a total advance to date of 292 feet northwesterly from the 225-foot level drift on the Hoosier vein. No additional veins were intersected in this final advance of the crosscut nor by a 20-foot test hole drilled (at the operator's expense) from the breast of the heading. The contract authorizes a maximum of 300 feet of crosscutting to the Hummer vein. The completion of the remaining 8 feet of the authorized footage does not appear warranted and probably will not be attempted by the operator.

Inasmuch as no other vein had been encountered farther to the north, the mineralized quartz structure encountered last period at a distance of 218 feet in the crosscut was assumed to be the Hummer vein and the initial 100 feet of drifting authorized on that vein was begun. The drift on this structure had advanced 41 feet northeasterly from the crosscut by the close of the reporting period. It had been advanced an additional 23 feet, for a total distance of 64 feet from the crosscut on the date of inspection.

The structure exposed along the drift strikes N. 67° E. and dips about 80° northwesterly. It continues mineralized for a distance of some 30 feet from the crosscut. Beyond this point, however, it narrows, becomes very poorly defined, and is barren of all tungsten mineralization.

The operator, at his own expense, drifted 20 feet southwesterly on the vein. In this direction, the structure is wider and contains more mineral; the property line, however, occurs only a short distance farther in this direction. The operator also intends to raise on the vein in the

vicinity of the crosscut and, therefore, agreed to postpone the remainder of the authorized exploration until a geologic examination of the recent project work could be scheduled. At least two of the intermediate veins intersected earlier in the crosscut appear more promising than the vein presently exposed in the final 30 feetand in the breast of the northeast drift.

The total cost of $2,560.00, as reported on the operator's MF-104 forms for the period, is incorrect. The operator completed a total of 78 feet of crosscutting and drifting during the month. The agreed upon unit price for such work is $32.00 per foot. The correct total cost that the operator should have claimed, therefore, is only $2,496.00. The excess amount of $64.00 is not accepted. Reimbursement to the operator of 75 percent of the correctly computed total cost, or $1,872.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

enclosures

cc 6
E657
DMEA Chron.

RLB/pah

Nederland, Colorado
Feb ruary 3, 1955

U.S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Gentlemen:

Narrative report on Hoosier mine for month of January, 1955:

Johnson Bros. & Prime (Operator)
Docket No. DMEA 3173
Contract No. Idm E657 (Tungsten)

Driving crosscut north from Hoosier vein on 225 ft. level, 37 ft. for a total of 292 feet.

Formation: Granite, encountering no additional veins. We also drilled a 20 foot test hole in breast of crosscut, without cutting any noticeable veins or fractures. Then starting drift in an easterly direction on vein encountered in crosscut at 222 feet from Hoosier vein for a distance of 41 feet.

Formation: Granite
Vein showing black horn quartz, some ferberite.

Yours truly,

JOHNSON BROS. & PRIME

Ralph Johnson

Ralph Johnson

iq

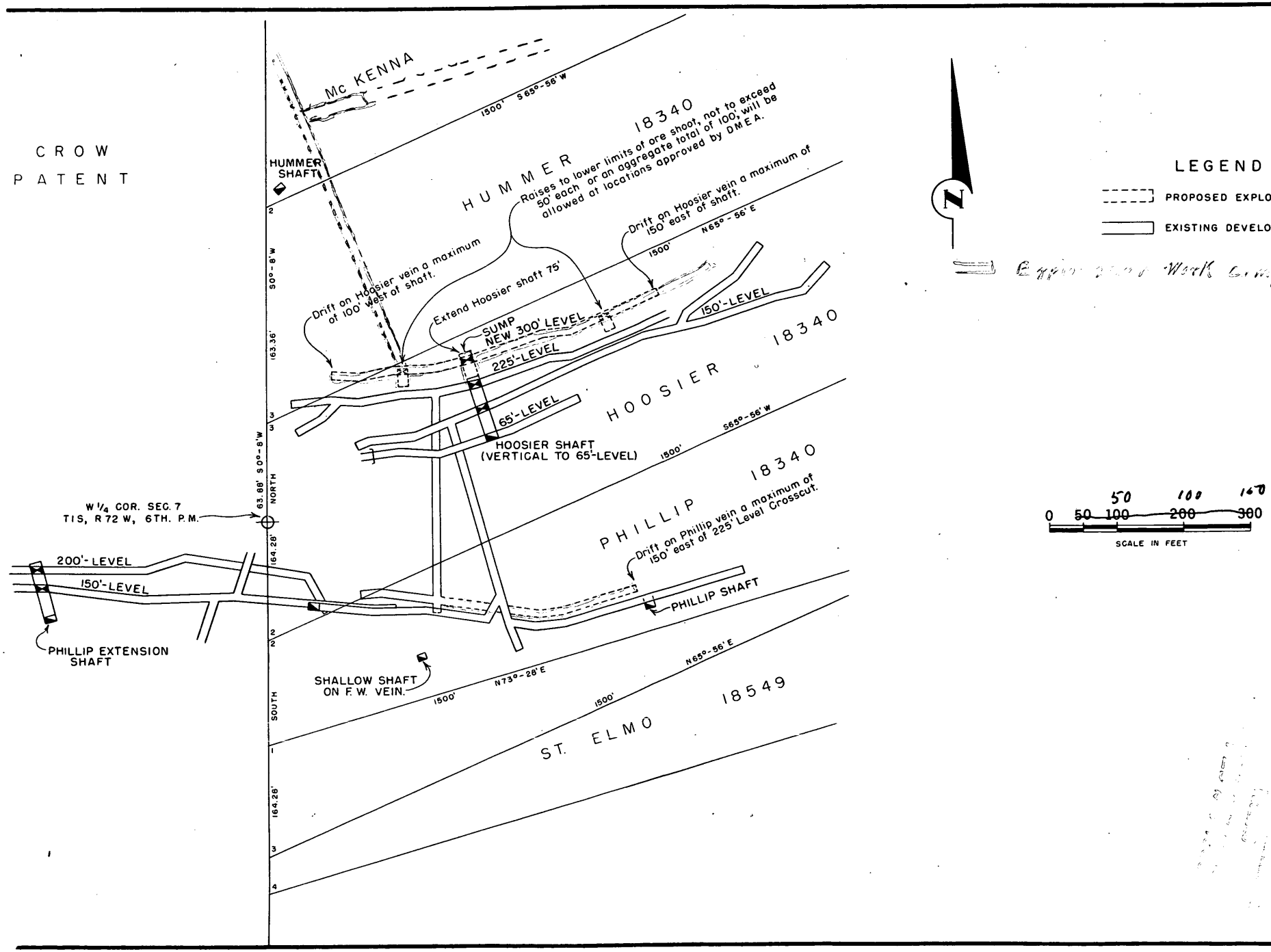

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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 1955 Docket No. DMEA 3173 Contract No. Idm B657
Operator's Name JOHNSON BROS. & PRIME Minerals Tungsten
Address P.O. Box 336, Nederland, Colo.

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	$1376.00	41	$15776.00	491	$32.00		
Crosscutting	Feet	1184.00	37	9344.00	292	32.00		
Raising	Feet			1600.00	50	32.00		
Shafts	Feet			6000.00	75	80.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$2560.00	78	$32720.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$2560.00	78	$32720.00				

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. 3, 1955 Operator JOHNSON BROS. & PRIME

Per Ralph L. Johnson Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

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

RECEIVED
FEB 25 1955

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

Month of JANUARY, 195 Docket No. DMEA 3173 Contract No. Idm F657
Operator's Name JOHNSON BROS. & PRINE Minerals Tungsten
Address P.O. Box 336, Nederland, Colo.
Contract Amount, $38000.00 Government Participation: 75% Amount, $28500.00

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 Mining		$6000.00	$6000.00			
Crosscutting	1184.00	8160.00	9344.00			
Drifting	1376.00	14400.00	15776.00			
Raising		1600.00	1600.00			
(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	2560.00	30160.00	32720.00	2496.00	30160.00	32,656.00

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

Date Feb. 3, 1955 *Payee JOHNSON BROS. & PRINE

Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 1,872.00

Signature Ray Cooper (Authorized Certifying Officer)

Date 2/17/55 Vou. No. DMA-55-64

(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. E657 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1,872.00 Title Mining Engineer Date FEB - 8 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Berk.

Signature W. M. Maier Title Executive Officer Date FEB 15 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 83-38476

4020

224 New Customhouse
Denver 2, Colorado

January 27, 1955

WSM

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 3173, (Tungsten), Contract Idm-E657, Johnson Brothers & Prime, Boulder County, Colorado

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, 1954.

W. M. TRAVER

Enclosures

W. M. Traver

pw

MF-104
Dec

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

224 New Customhouse
Denver 2, Colorado

January 13, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers & Prime, a partnership consisting of Ralph Johnson, Roy Johnson and George Prime, Boulder County, Colorado - Operator's Monthly Progress Report for the month of 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 operator's report.....Jan. 3, 1955
Date report received in B.O.M. field office..Jan. 4, 1955
Date report received in regional office.....Jan. 12, 1955

W. H. King

Enclosures
JWT:jp
cc Subject
Chron
Sec. Op. Comm. (2)
Traver

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
January 12, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: W. M. Traver

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Bros. and Prime (Hoosier mine), Boulder County, Colo.--Progress report for December 1954

Enclosed are the original and four copies of the above progress report, the eleventh one--forms MF-104 and MF-104A with narrative, progress sketch--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of the underground progress and checking of the reporting forms. The contract is unit cost on short-form MF-200(A) and documentation is not required.

Bolmer inspected progress at the project on January 4, 1955, and confirmed the 105 feet of crosscutting toward the Hammer vein on the 225-foot level of the Hoosier mine. The advance is correctly reported in the narrative and entered on the MF-104A forms. The work was in conformance with the terms of the contract and amendments thereto, and entries and extensions on the reporting forms are correct.

There remains 45 feet of crosscutting authorized by Amendment No. 2, Stage II. The inspecting engineer describes the period work, stating that at 225 feet in the crosscut a vein was encountered which may be the Hammer and on which drifting will be recommended if a more encouraging vein does not appear in completion of the crosscutting.

Payment is approved and certified on the MF-104 forms of $2,520.00 or 75 percent of the total, $3,360.00 claimed by the contractor.

F. J. Everett, for
W. M. Traver

WMT/dj
enclosures
cc: 5
E657
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
January 12, 1955

Memorandum

To: W. M. Traver

From: R. L. Bolmer

Subject: DMSA 3173, Contract Idm-E657 (Tungsten), Johnson Bros. and Prime (Hoosier mine), Boulder County, Colo.--Progress report for December 1954

The progress reported this period under the subject short-form contract--105 feet of crosscutting northwesterly towards the Hummer vein from the 225-foot level of the Hoosier mine--was confirmed during an inspection of the property January 4, 1955. At the close of the December period, the crosscut had been advanced a total of 255 feet northwesterly from the Hoosier vein. A maximum of 300 feet of crosscutting to the Hummer vein is authorized under Stage II of Phase 2 of the contract.

The crosscut advance this period remained in granite. A vein containing from four to six inches of horn quartz and encouraging amounts of ferberite was intersected at a distance of 225 feet in the crosscut. This structure has a similar strike and dip and could represent the Hummer vein. On the surface, the Hummer vein is approximately 250 feet northwest of the Hoosier vein and the operator, therefore, was advised to continue the crosscut. If a more promising structure is not intersected in the remaining 45 feet of crosscut authorized under the contract, then the presently exposed structure will be considered the Hummer vein and the operator will commence the authorized drift on it.

The $3,360.00 total costs reported for the period on the operator's MF-104 forms--equivalent to the completed 105 feet of crosscutting at the agreed upon unit price of $32.00 per foot--are approved. Reimbursement to the operator of 75 percent of the approved amount, or $2,520.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/dj
cc: 6
E657
Chron

Westcliffe, Colorado
January 2, 1951

U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Gentlemen:

Narrative report on Hoosier mine for month of December, 1950:

Johnson Bros. & Mine (Operator)
Docket No. [illegible] 3173
Contract No. [illegible] 1057 (Tungsten)

Drilling crosscut north, 250 west from Hoosier vein on 200 ft. level, 175 ft. in Dec. 1950. for a total of ~~275~~ 255 ft.

Formation: Granite.
Set small vein 202 ft. north of Hoosier vein consisting of black horn quartz, some ferberite ore.

Yours truly,

JOHNSON BROS. & MINE

Ralph Johnson

Ralph Johnson

cc

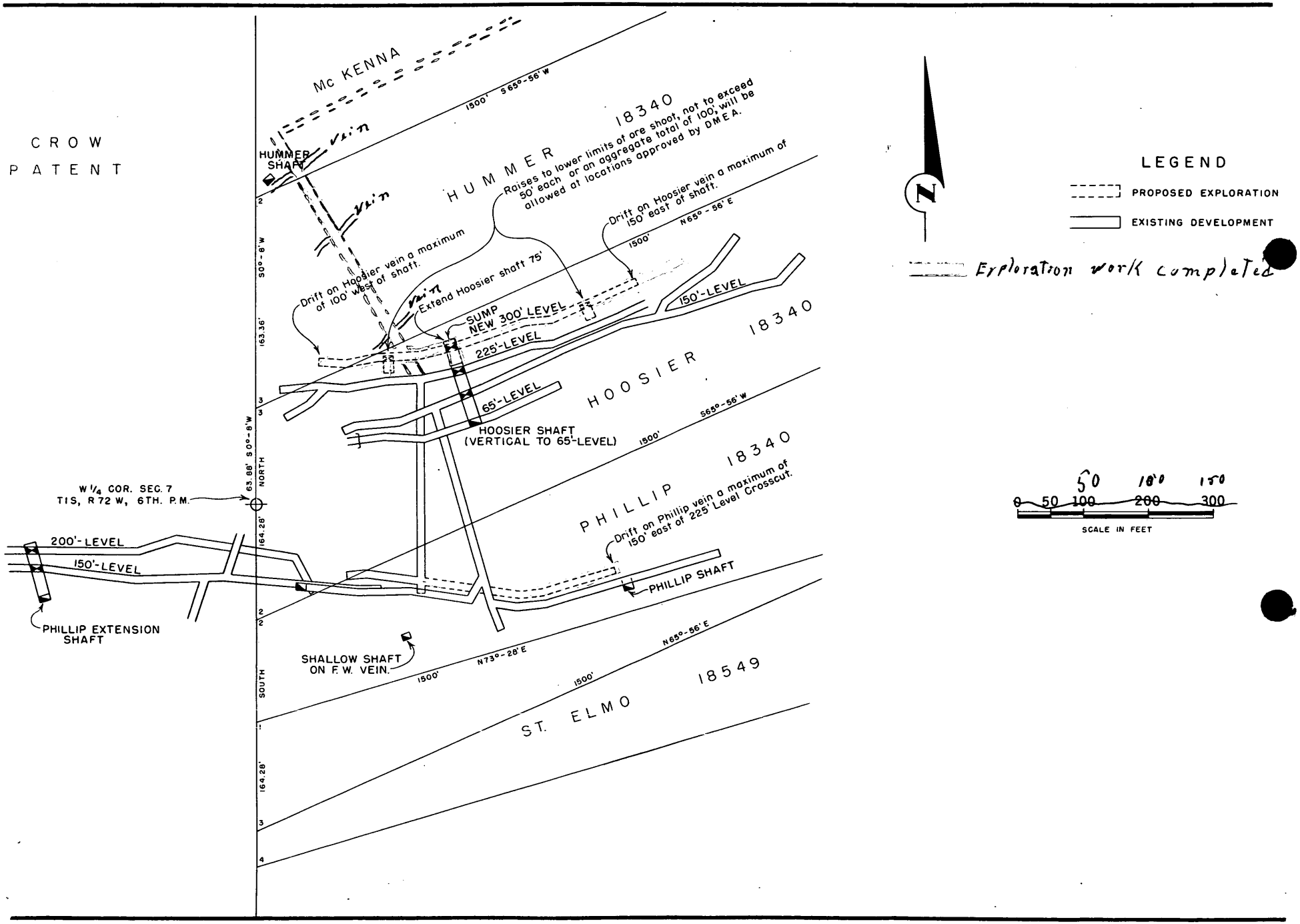

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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 [illegible] 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Johnson Bros. & Price
Address [illegible] Box 33, Leadville, Colorado
Minerals [illegible]

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			[illegible]	[illegible]	[illegible]		
Crosscutting	Feet	[illegible]	305	[illegible]	[illegible]	[illegible]		
Raising	Feet			[illegible]	[illegible]	[illegible]		
Shafts	Feet			[illegible]	[illegible]	[illegible]		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		[illegible]	305	[illegible]				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		[illegible]	305	[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. 3, 1953 Operator Johnson Bros. & Price

Per Ralph Johnson Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

Budget Bureau No. 42-R1036.5

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

Month of December, 195[illegible] Docket No. DMEA 373 Contract No. [illegible]
Operator's Name Johnson Bros. & [illegible] Minerals [illegible]
Address P.O. Box 335, Rockland, Colorado
Contract Amount, $[illegible] Government Participation: 75 % Amount, $[illegible]

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	[illegible]	[illegible]	[illegible]			
Crosscutting	[illegible]	[illegible]	[illegible]			
Drifting		[illegible]	[illegible]			
[illegible]		[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]	3360.00	26800.00	30160.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Jan. 3, 1955 *Payee Johnson Bros. & [illegible]
Per Ralph Johnson Title Partner

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

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$2520.00
Signature Randall R. Cooper
(Authorized Certifying Officer)
Date 1-14-55 Vou. No. DMR-55-54
(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. 6657 in accordance with the terms of the contract.

Signature H. L. Bolmer, $2,520.00 Title Mining Engineer Date JAN 10 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. L. Ring Title Executive Officer Date JAN 13 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.

400

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

Defense Minerals Administration
RECEIVED
JAN 10 1955

224 New Customhouse
Denver 2, Colorado

January 7, 1955

WBM

3173

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime, Boulder County, Colorado

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 November 1954.

W. H. King

W. H. King

Encls.

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

RECEIVED

224 New Customhouse
Denver 2, Colorado

December 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, (Hoosier mine), Boulder County, Colorado - 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 3, 1954
Date Received in Field Office....December 6, 1954
Date Received in Region Office...December 10, 1954

RDB/JP

W. H. King

Enclosures

cc Subject
Chron
Sec. to Oper. Comm. (2)
Traver

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
December 9, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3173, Contract Idm-E657 (Tungsten) Johnson Brothers and Prime (Hoosier mine) Boulder County, Colorado - Progress report for November 1954

Enclosed are the original and four copies of the above progress report, the tenth one--forms MF-104 and MF-104A with narrative, progress sketch and the original and six copies of R. L. Bolmer's memorandum covering his inspection of the underground progress and checking of the reporting forms. The contract is unit cost on short-form MF-200(A) and documentation is not required.

The period's progress; the advance 100 feet of the crosscut northwest toward the Kummer vein on the 225-foot level of the Hoosier mine was confirmed by Bolmer on a routine inspection made December 2, 1954. The crosscut has now been driven 150 feet or about one-half of the distance estimated to its objective.

Work performance was in accordance with Stage II of Amendment No. 2 to the contract. Entries and extensions are correct on the reporting forms and the operations reported satisfactorily in the operator's narrative. The inspecting engineer describes adequately the physical conditions encountered in the months operations, mentioning 2 veins encountered in the crosscut.

Payment is approved and certified on the MF 104 forms of $2,400.00 or 75 percent of the total, $3,200.00 claimed by the contractor.

W. M. Traver

W. M. Traver

WMT/dj
enclosures
cc: 5
E657
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
December 8, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMMA 3173, Contract Idm-E657 (Tungsten), Johnson Bros. and Prime (Hoosier mine), Boulder County, Colo.--Progress report for November 1954

The progress reported this period under the subject contract--100 feet of crosscutting northwesterly towards the Hummer vein from the 225-foot level of the Hoosier mine--was verified during an inspection of the property December 2, 1954. At the close of the November period, the crosscut had been advanced a total of 150 feet or about one-half the estimated distance to the Hummer vein. A maximum of 300 feet of crosscutting to this vein is authorized under Stage II of Phase 2 of the contract.

The crosscut advance this period was entirely within granite. Two intermediate vein structures, as mentioned in the operator's narrative, were intersected at distances of 110 and 142 feet north of 225-foot level drift on the Hoosier vein. Both were fairly well defined quartz veins but were barren of tungsten.

The crosscut is being advanced on a course of about N. 23° W. The vein intersected at a distance of 110 feet strikes N. 65° E., dips about 85° northwesterly, and varies between 12 and 15 inches in width. The second vein intersected this period strikes N. 55° E., dips 64° northwesterly, and is about 8 inches in width. Both structures contain small amounts of dark colored hard quartz. The dark color of the vein quartz often is due to minute quantities of ferberite.

The $3,200.00 total costs reported for the period on the operator's MF-104 forms--equivalent to the completed 100 feet of crosscut at the agreed upon unit price of $32.00 per foot--are approved. Reimbursement to the operator of 75 percent of the approved amount, or $2,400.00, is recommended.

R. L. Bolmer

R. L. Bolmer,
Mining Engineer

RLB/dj
cc: 6
E657, Chron.

Lederland, Colorado
December 3, 194[illegible]

U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Gentlemen:

Narrative report on Boulder mine for month of November, 194[illegible]:

Johnson Bros. Gasoline (Operator)
Docket No. [illegible] - 3173
Contract No. [illegible] 4087 (Claimant)

Driving crosscut 24 ft. west of Boulder shaft on 225 ft. level, 298 feet of North 100 ft. for a total of 398 ft.
Formation: Granite.

Cutting one vein at 110 ft. north of Boulder vein, consisting of hard quartz about 1" to 8" in width; considerable water in vein no apparent value.

Then cutting across another vein at 145 ft. north of Boulder vein about 2" to 14" in width consisting of black hard quartz no value.

Yours truly,

Ralph L Johnson

Ralph L. Johnson

[illegible]

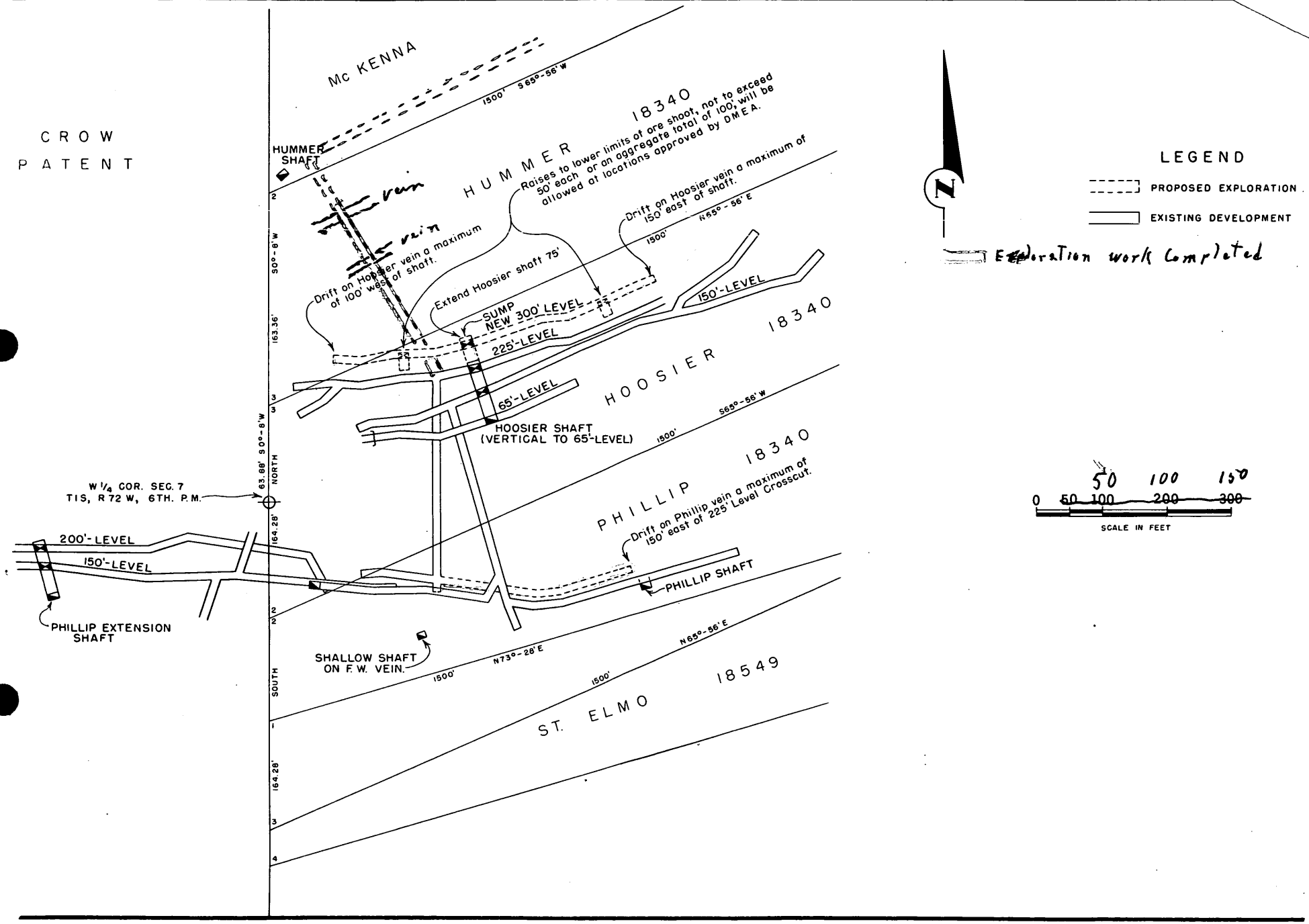

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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
DEC 10 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November, 1954 Docket No. DMEA 3173 Contract No. Tdm 3557
Operator's Name Johnson Bros. & Prime Minerals Fluorspar
Address P.O. Box 336, Federal, 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			$14,400.00	450	$32.00	650	$32.00
Crosscutting	Feet	$3200.00	100	4,800.00	150	32.00	300	32.00
Raising	Feet			1,600.00	50	32.00	50	32.00
Shafts	Feet			6,000.00	75	80.00	75	80.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$3200.00	100	$26,800.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$3200.00		$26,800.00				

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. 3, 1954 Operator Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

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

REMARKS:

(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

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPARTMENT OF THE INTERIOR
Defense Minerals
RECEIVED
JAN 10 1955

Month of November, 1954 Docket No. DMEA 5179 Contract No. DMA 5357
Operator's Name Johnson Bros. & Paine Minerals Sunnyside
Address P.O. Box 336, Redcliff, Colorado
Contract Amount, $ 32,000.00 Government Participation: 75 % Amount, $ 20,500.00

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~~ Sinking		6000.00	6000.00			
Crosscutting	6200.00	1600.00	1600.00			
Drifting		11400.00	11400.00			
Raising		2600.00	2600.00			
(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	6200.00	23,600.00	25,800.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Dec. 3, '54 *Payee Johnson Bros. & Paine
Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 24.00

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 12-17-54 Vou. No. DMA-JT-41

(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. E657 in accordance with the terms of the contract.

Signature R. L. Holmes, $2,400.00 Title Mining Engineer Date DEC - 8 1954

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

Signature W. H. King Title Executive Officer Date DEC 13 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

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

400

224 New Customhouse
Denver 2, Colorado

December 1, 1954

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier Mine), Boulder County, Colorado. Operator's Monthly Progress Report for the period October, 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 October, 1954.

W. H. KING

W. H. King

Enclosures

Copy to: W. H. Traver, w/copy of report

sub
chron

1d

Get mf-104

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

224 New Customhouse
Denver 2, Colorado

November 16, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657
Johnson Brothers and Prime (Hoosier mine), Boulder County, Colorado. 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 4, 1954
Date Received in Field Office	November 5, 1954
Date Received in Region Office	November 16, 1954

W. H. King

Enclosures

REB:dm
cc: Sec., Oper. Comm. (2)
Subject
WMTraver
Chron

UNITED STATES
PARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 10, 1954

Executive Officer, DMEA Field Team, Region IV

Chief, Mineral Resources Branch, Mining Division, Region IV

: DMEA 3173, contract Idm-E657 (Tungsten) Johnson Brothers and Prime (Hoosier mine) Boulder County, Colorado - Progress report for October 1954

Enclosed are the original and four copies of the above progress report, the ninth one--forms MF-104 and MF-104A with narrative, progress sketch and the original and six copies of R. L. Bolmar's memorandum covering his inspection of the underground progress and checking of the reporting forms. The contract is unit cost on short-form MF-200(A) and documentation is not required.

Bolmar verified the October progress of 50 feet of advance of the crosscut northwest on the Hoosier mine 225-foot level on November 1, 1954. This is as authorized under Stage II of Amendment No. 2 of the contract. The work is described satisfactorily in the operator's narrative and the inspecting engineer's covering memorandum. Entries and extensions are correct on the reporting forms.

Payment is approved and certified on the MF-104 forms of $1,200.00, or 75 percent of the total claimed by the contractor.

W. M. Traver

enclosures

cc 4
E657
DMEA Chron.

WMT/pah

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 9, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 3173, contract Idm-2657 (Tungsten) Johnson Brothers and Prime (Hoosier mine) Boulder County, Colorado - Progress report for October 1954

The progress reported this period under the subject short-form contract--50 feet of crosscutting northwesterly from the 225-foot level of the Hoosier mine--was confirmed during an inspection of the property November 1, 1954. The work performed this period is authorized under Stage II of Amendment No. 2 to the contract. The details of the work are described adequately in the operator's narrative. The progress is indicated correctly on the accompanying map. The entries on the operator's MF-104 forms for this period also are correct.

The $1,600.00 total costs reported on the operator's October MF-104 forms--equivalent to the completed and verified 50 feet of crosscutting at the agreed upon unit price of $32.00 per foot--are approved. Payment to the operator of 75 percent of approved costs, or $1,200.00 is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc 6
2657
DMEA Chron.

RLB/pm

[illegible], Colorado
November 4, 1953

[illegible] Bureau of Mines
Regional Board Member
Building 20, Denver Federal Center
Denver, Colorado

Gentlemen:

Transmitted herewith are Monthly Report on Lucky Mine for month of October, 1953:

Johnson Bros. Group (Operator)
Lease No. [illegible] 3173
Contract No. [illegible] 1257 (Tungsten)

Nov. 10, 1953

Starting on additional work on previous contract at a point 35 feet in W of Shaft on 325 ft. level, and driving eastward a distance of 40 ft. in a Northeasterly direction.

Recommendations:
Provide. [illegible] two small quarts veinlets at approximately 5 feet from main Shaft walls.

Respectfully,

[illegible]

Ralph L Johnson
Ralph L. Johnson

ge

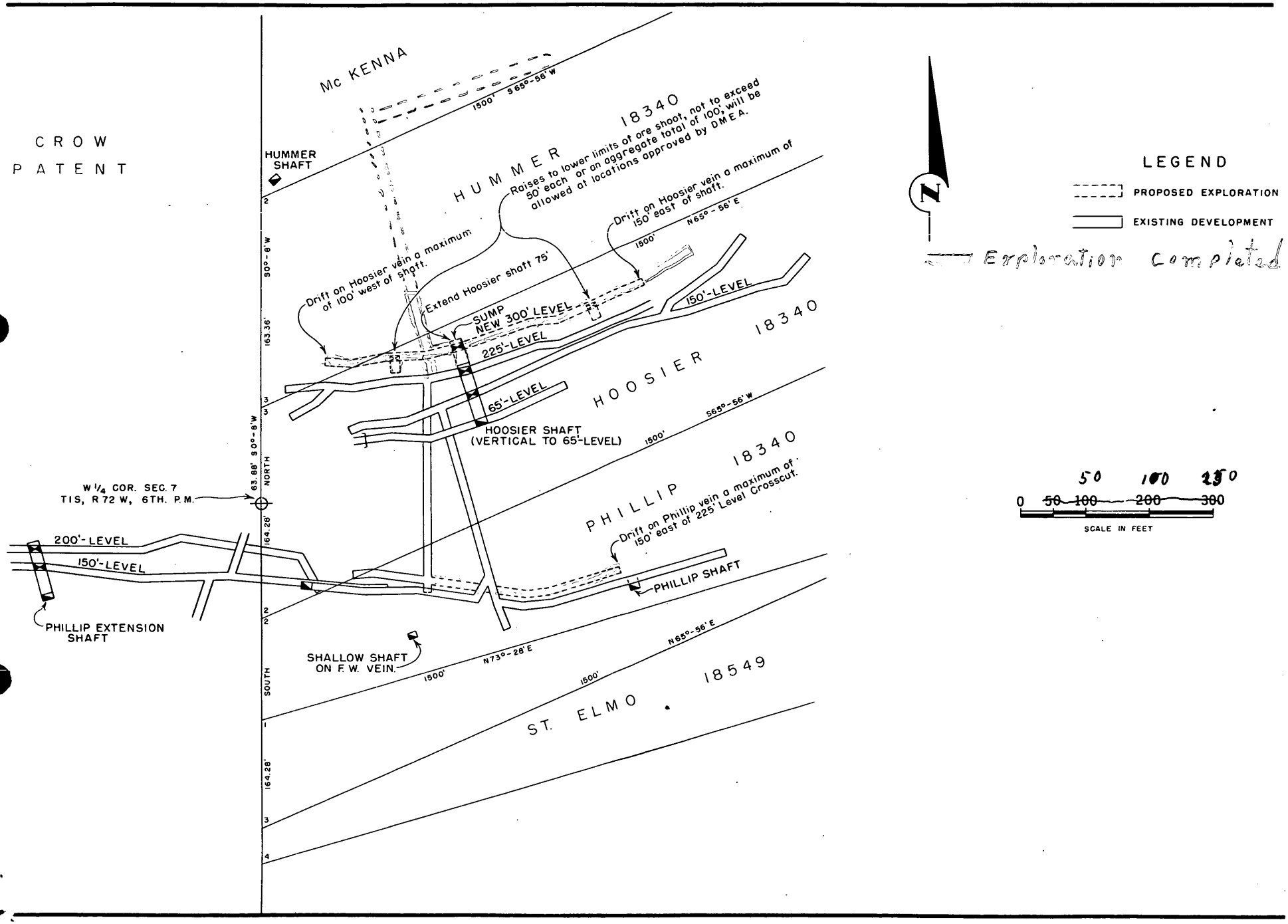

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Adm.
RECEIVED
DEC 8 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of [illegible] 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]

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	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Crosscutting	[illegible]	16[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Raising	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shafts	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[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]				

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 [illegible] Operator [illegible]

Per Ralph L. Johnson Title [illegible]

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 872894

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
DEC - 6 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of [illegible], 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $ 38000.00 Government Participation: [illegible]% Amount, $ 28500.00

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	[illegible]	[illegible]	[illegible]			
Crosscutting	[illegible]	[illegible]	[illegible]			
Drifting		[illegible]	[illegible]			
[illegible]		[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	$1600.00	[illegible]	[illegible]	1600.00	22,000.00	23,600.00

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

Date [illegible] *Payee [illegible]

Per Ralph L. Johnson Title [illegible]

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

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

(Instructions on reverse)

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

$ 1200.00

Signature Randell R. Cosper
(Authorized Certifying Officer)

Date 11-22-54 Vou. No. DMA-55-36

(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. 865 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1200.00 Title Mining Engineer Date NOV - 9 1954

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

Signature [illegible] Title Executive Officer Date NOV 16 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

400

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

OCT 28 1954

224 New Customhouse
Denver 2, Colorado

October 26, 1954

WSM

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier mine), Boulder County, Colo.

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 1954.

W H King
W. H. King

Enclosures

224 New Customhouse
Denver 2, Colorado

October 8, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier mine), Boulder County, Colo. Operator's Monthly Progress Report for the period September 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	October 3, 1954
Date Received in Field Office	October 5, 1954
Date Received in Region Office	October 7, 1954

W. H. King

Enclosures

RDB:dm

cc Sec. to Oper. Comm. (2)
WMTraver
Subject
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
October 6, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Brothers and Prime (Hoosier mine), Boulder County, Colo.--Progress report for September 1954

Enclosed are the original and four copies of the above progress report, the eighth one--forms MF-104 and MF-104A with narrative, progress sketch--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of the underground progress and checking of the reporting forms. The contract is unit cost on short-form, MF-200(A) and documentation is not required.

Bolmer inspected the project October 4, 1954, and found the period progress, 58 feet advance east on the Phillip vein on the 225-foot level of the Hoosier mine, correct as reported by the operator in his narrative and entered on the MF-104A forms. Operations were conducted in accordance with the terms of the contract, completing item 1 of Exhibit A, or in fact, all the authorized work of the original contract. An amendment is in process authorizing crosscutting to the Hummer and intermediate veins. Results of exploration to date have been discouraging.

Entries and extensions on the reporting forms are correct and Bolmer approves and certifies the MF-104 forms for payment of $1,392.00, or 75 percent of the total $1,856.00 claimed by the contractor. He also calls attention to the fact that the contract completion period expires November 18, 1954.

W. M. Traver

Enclosures

WMT:ici

cc: 4
E657
DMEA chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
October 6, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Brothers and Prime (Hoosier mine), Boulder County, Colo.—Progress report for September 1954

The progress reported this period under the subject, short-form contract—58 feet of drifting easterly along the Phillip vein on the 225-foot level of the Hoosier mine—was confirmed during an inspection of the property October 4, 1954. The advance this period completes the 150 feet of drifting authorized on the Phillip vein.

The Phillip vein remained in schist and was barren of all tungsten minerals throughout the full distance advanced during the period. The structure gradually weakened towards the northeast. Near the breast it existed as only a tight fracture in the schist containing less than one inch of whitish talc.

It is noted that the contract period will expire November 18, 1954. The work authorized in the original contract has been completed. It will be necessary to extend the period for completion so as to provide for certain new work authorized by a recent amendment to the contract. The operators are ready to start the newly authorized crosscut to the Hummer vein. Before commencing this new work, however, they intend replacing the present headframe at the Hoosier shaft. Such replacement probably will be completed in less than one week.

The $1,856.00 total costs reported this period on the operator's MF-104 forms—equivalent to the completed 58 feet of drifting at the agreed upon unit price of $32.00 per foot—payment to the operator of 75 percent of the total reported costs, or $1,392.00 is recommended.

F. W. Everett, for
R. L. Bolmer
Mining Engineer

RLB/ici

cc: 6 E657 DMEA Chron.

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

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

Budget Bureau No. 42-R4036.5

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Denver
OCT 28 1954

Month of [illegible], 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $[illegible] Government Participation: [illegible]% 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		[illegible]	[illegible]			
Drifting	1856.00	[illegible]	[illegible]			
[illegible]		[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	1856.00	[illegible]	[illegible]	1856.00	20,144.00	22,000.00

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

Date [illegible] *Payee [illegible]

Per Ralph L. Johnson Title [illegible]

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

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

(Instructions on reverse)

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

$1392.00

Signature Randel R. Cooper
(Authorized Certifying Officer)

Date 10/22/54 Vou. No. DMA-55-29
(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. 8657 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1,392.00 WM Title Mining Engineer Date OCT - 6 1954

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

Signature W. S. Kung Title Executive Officer Date OCT 9 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-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 28 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1954 Docket No. DMEA 2172 Contract No. DMI 2057
Operator's Name Johnson Bros. & Ashe Minerals Tungsten
Address P.O. Box 325, Idaho Springs, 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	Foot	1,055.00	53	14,400.00	450	32.00	450	32.00
Crosscutting								
Raising	Foot			1,500.00	50	30.00	50	30.00
Shafts	Foot			6,000.00	75	80.00	75	80.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,055.00	53	22,000.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,055.00		22,000.00				

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 Oct. 2, 1954 Operator Johnson Bros. & Ashe

Per Ralph L. Johnson Title Partner

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 872894

RECEIVED
OCT 8 1954

Rifle, Colorado
October 5, 1954

U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Gentlemen:

Narrative report on Moonlight Mine for month of September, 1954:

Johnson Bros. & Price (Operator)
Docket No. [illegible] [illegible]
Contract No. [illegible] [illegible] (Shungite)

Starting at a point 95 feet east of south end of tunnel on 205 foot level of Moonlight mine and driving drift an additional 50 feet east on Million vein for a total of 210 feet.

Formation:
Granite for first 5 or 6 feet changing back to schist. Vein tight on standing no water.

Respectfully,

[illegible]

Ralph L. Johnson

Ralph L. Johnson

rc

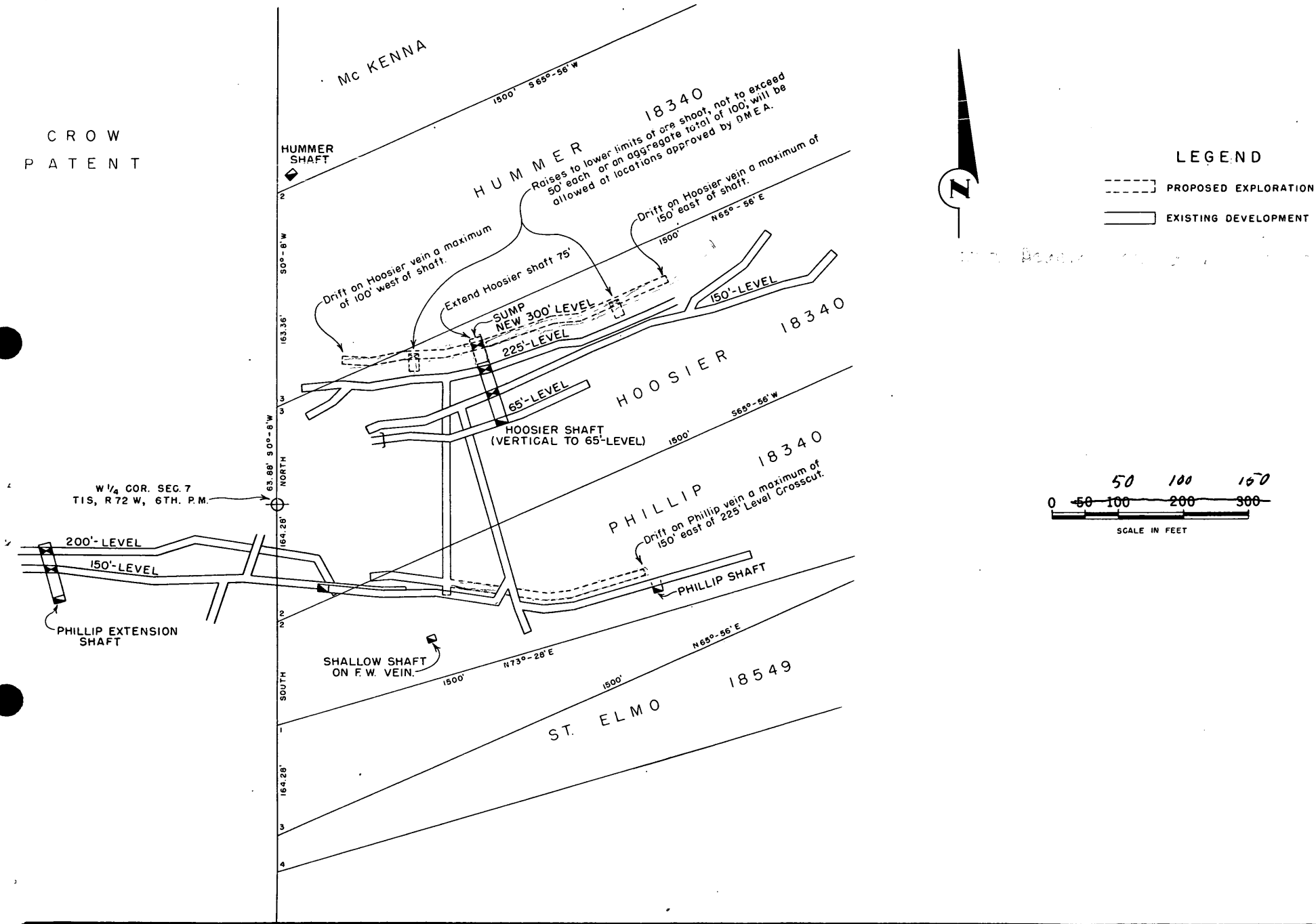

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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

Colorado Mineral
RECEIVED
SEP 27 1954

224 New Customhouse
Denver 2, Colorado

September 23, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier Mine) Boulder County, Colo.

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 August, 1954.

W. H. King

Enclosures

MF-104
Aug. '54

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

Department of the Interior
Defense Minerals Administration
RECEIVED
SEP 27 1954

224 New Customhouse
Denver 2, Colorado

September 16, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 2173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier Mine), Boulder County, Colorado. Operator's Monthly Progress Report for the month of August, 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	September 3, 1954
Date Received in Field Office	September 8, 1954
Date Received in Region Office	September 16, 1954.

John F. Shaw
For W. H. King

Enclosures

RDB:mb
cc: Secretary, Oper. Comm. (2)
Contract
WMTraver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
September 13, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Brothers and Prime (Hoosier mine), Boulder County, Colo.--Progress report for August 1954

Enclosed are the original and four copies of the seventh progress report, the one for August 1954, on the above contract--forms MF-104 and MF-104A, with narrative, progress map--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of drifting progress and checking of the reporting forms. The contract is unit cost on short form MF-200(A) and documentation is not required.

The drifting progress--92 feet on the Phillips vein on the Hoosier 225-foot level, correctly entered on the MF-104A forms and described on the operator's narrative was confirmed by inspection on September 2, 1954. Work performance was in conformance with the terms of the contract and entries are in order on the reporting forms. Bolmer describes the physical conditions encountered during this reporting period satisfactorily and states that the drifting work is approaching a point where if it is going to show results, should do so soon.

Payment is approved and certified on the MF-104 forms of $2,208.00, or 75 percent of the total $2,944.00 claimed by the contractor.

W. M. Traver

Enclosures

WMT/ici

cc: 14
E657
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
September 10, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Brothers and Prime (Hoosier mine), Boulder County, Colo.--Progress report for August 1954

The progress reported this period under the subject, short-form contract--92 feet of drifting easterly along the Phillip vein on the 225-foot level of the Hoosier mine--was confirmed during an inspection of the property September 2, 1954.

The Phillip vein entered pegmatite a short distance east of the 225-foot level crosscut and remained within this rock for a distance of about 50 feet. Throughout this section, the vein was fairly strong--containing from 6 to 18 inches of gouge and horn quartz--but was unmineralized. The strike of the structure varied from S. 80° E. to N. 80° E.; its dip, from 64° to 85° northerly. Some 50 feet east of the crosscut, the vein entered schist and narrowed noticeably. At a distance of about 80 feet, the formation changed to a gneiss and, in one section, to a granite. The vein improved slightly in these harder rocks and, for a few feet, contained a narrow streak of ferberite. Near the breast of the drift, the vein again had entered a schist and again was looking poor. The drift nearly is below the large ore shoot stoped on this vein above the 150-foot level and the vein, if it is going to improve, will have to do so in the next 50 feet or so.

The $2,944.00 total costs reported this period on the operator's MF-104 forms--equivalent to the completed 92 feet of drifting at the agreed upon unit price of $32.00 per foot--are approved. Payment of 75 percent of the total reported costs, or $2,208.00, is recommended.

R. L. Bolmer
Mining Engineer

RLB/ici

cc: 6
E657
DMEA Chron.

Nederland, Colorado
September 3, 1954

U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Gentlemen:

Narrative report on Hoosier mine for month of August, 1954:

Johnson Bros. & Prime (Operator)
Docket No. D.M.E.A. 3173
Contract No. Lim. E657 (Tungsten)

Starting at south end of cross cut on 225 ft. level of Hoosier mine and driving drift easterly on Phillips vein 92 ft. from starting point.

Formation: Pegmetite on foot and schist on hanging side of vein for 30 feet, then changing to schist. Vein tight showing a little quartz. At about 80 ft. from starting point, formation changed to granite with the vein opening up showing more quartz and also more water.

We drilled a core drill hole in the foot wall of vein about 30 ft. from starting point to make sure we were on said Phillips vein for a distance of 30 feet.

Core recovery was poor: mostly in a soft pegmetite changing to a fairly hard granite near end of hole.

Yours truly,

JOHNSON BROS. & PRIME

Ralph L. Johnson
Ralph L. Johnson

RLJ:mc

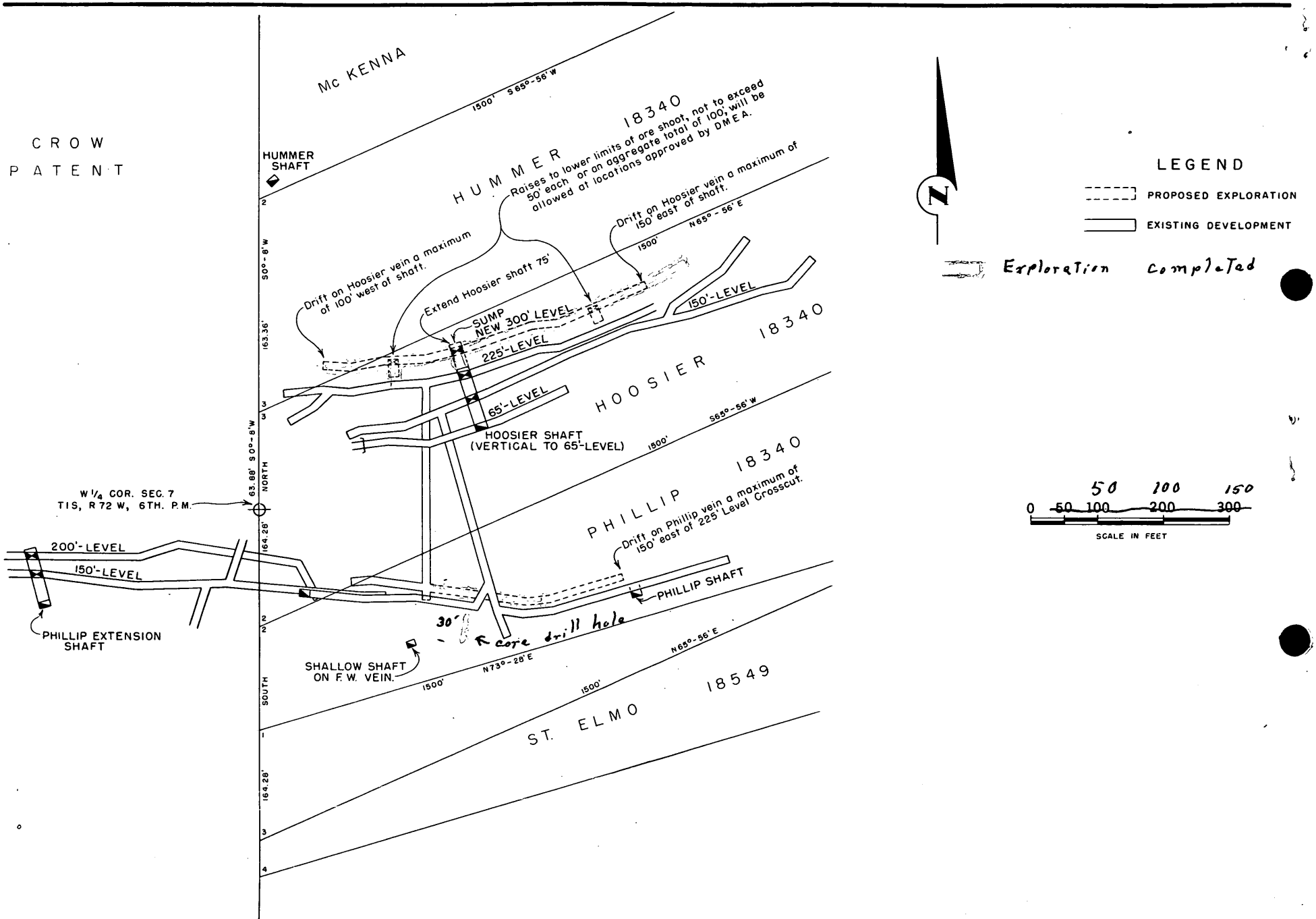

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

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

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

Month of August, 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Johnson Bros. & Drine Minerals Tungsten
Address Box 235, Leadville, Colorado
Contract Amount, $[illegible] Government Participation: 75% Amount, $[illegible]

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~~ Cleaning		[illegible]	[illegible]			
Drifting	[illegible]	[illegible]	[illegible]			
Cleaning		[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]	2944.00	17,200.00	20,144.00

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

Date Sept. 3, 195[illegible] *Payee Johnson Bros. & Drine

Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 2208 00

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 9-17-54 Vou. No. DMA-55-22
(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. E-657 in accordance with the terms of the contract.

Signature C. A. Bolmer, $2208.00 Title Mining Engr. Date SEP 10 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature R. B. Shaw for W. H. King Title R.S.B. Executive Officer Date SEP 16 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

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

402

224 New Customhouse
Denver 2, Colorado

August 23, 1954.

WSM

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3173 (Tungsten), Contract No. Idm-E657, Johnson Brothers and Prime, Ralph Johnson designated agent, Boulder County, Colorado.

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 July 1954.

W H King
W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1954

July
MF-104

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

224 New Customhouse
Denver 2, Colorado

August 17, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173, Contract Idm-E657 (Tungsten), Johnson Brothers and Prime, Ralph Johnson designated agent, Boulder County, Colorado - Operator's Monthly Progress Report for the month of July 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 Operator's report.....August 3, 1954
Date report received in B.O.M. Branch Office..August 4, 1954
Date report received in Regional Office.....August 16, 1954

W. H. King

W. H. King

Enclosures
JWT:jp
cc Contract
Chron
WMTraver
Sec. to Oper. Comm. (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 12, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3173, Contract Idm-E657 (tungsten), Johnson Bros. and Prime (Hoosier mine), Boulder County, Colo.--Progress report for July 1954

Enclosed are the original and four copies of the sixth progress report, the one for July 1954, on the above contract--forms MF-104 and MF-104A, with narrative, progress map--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of drifting progress and checking of the reporting forms. The contract is unit cost on short form MF-200(A) and documentation is not required.

Bolmer inspected the July progress at the Hoosier mine on July 30, 1954, and found the progress reported correctly in the operator's narrative and entered on the MF-104A forms as 60 feet of drifting along the Hoosier vein to the east on the 300-foot level. This completes the 200 feet of drifting authorized by the contract easterly. Amendment No. 1 allowed an additional 50 feet of drifting easterly as a substitute for 50 feet of raising. The operator raised on the best showing of ferberite in the drifting at his own expense and contemplates continuing the raise at a later date to the 225 foot level where ore is exposed directly above the raise. All work was in conformance with the terms of the contract and Amendment No. 1 thereto.

Payment is approved and certified on the MF-104 forms of $1,440.00 or 75 percent of the total $1,920.00 claimed by the contractor.

W. M. Traver
W. M. Traver

Enclosures

WMT/ici

cc: 4
E657
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 10, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMSA 3173, Contract Idm-B657 (tungsten), Johnson Bros. and Prime (Hoosier mine), Boulder County, Colo.--Progress report for July 1954

Progress reported this period under the subject short form contract--60 feet of drifting along the Hoosier vein easterly on the new 300-foot level of the Hoosier shaft--was confirmed during an inspection of the property July 30, 1954.

The 60 feet of advance this period completes the 200 feet of drifting authorized easterly on the new 300-foot level. Some 150 feet east of the shaft, the 300-foot level drift encountered good grade ferberite ore on the Hoosier vein and permission was granted (see Amendment No. 1) to advance the heading an additional 50 feet easterly in lieu of completing an equivalent amount of raising originally authorized for this section of the vein. Ferberite ore continued on the vein for some 15 feet or to about 165 feet east of the shaft. The vein along the final 35 feet of the drift continued strong enough (6 to 8 inches of quartz mostly in gneiss) but remained barren of ferberite. At his own expense, the operator raised a short distance on the ore showing. Ore grade mineral cut off about 8 feet above the back of the drift but the vein continued mineralized to the top of the raise. The operator eventually will complete this connection to the 225-foot level. Ore is exposed in the bottom of the upper level immediately above this section. Currently the operator is performing certain preparation work on the 225-foot level and shortly will commence the drifting authorized on the Phillip vein.

The $1,920.00 total costs reported by the operator for the July period--equivalent to the completed 60 feet of drifting at the agreed unit price of $32.00 per foot--are approved. Payment of 75 percent of the approved amount, or $1,440.00, is recommended.

for W. M. Kane
R. L. Bolmer
Mining Engineer

RLB/ici

cc: 6 B657 Chron.

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

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

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

Month of [illegible], 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Johnson Bros. Mining Minerals Uranium
Address [illegible] Box 235, Redfield, Colorado
Contract Amount, $ [illegible] Government Participation: [illegible] % 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~~ Sinking		$ 6,000.00	$ 6,000.00			
Drifting	$3,920.00	7,680.00	9,600.00			
Raising		2,000.00	2,000.00			
(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	$3,920.00	$15,680.00	$17,600.00			

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

Date August 3, 1954 *Payee Johnson Bros. & Sons

Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 1440.00

Signature Randel R. Cooper
(Authorized Certifying Officer)

Date 8-18-54 Vou. No. DMA-55-13
(See other side)

Defense Minerals Administration
AUG 25 1954

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-657 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1,440.00 Title Mining Engineer Date AUG - 9 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer Date AUG 17 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 July 1954 Docket No. DMEA 373 Contract No. [illegible]
Operator's Name Johnson Bros. & Peine Minerals Beryllium
Address P.O. Box 336, Deerfield, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Foot	1,920.00	60	9,600.00	300	32.00	400	32.00
Crosscutting								
Raising	Foot			1,600.00	50	32.00	50	32.00
Shafts	Foot			6,000.00	75	80.00	75	80.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		1,920.00		17,200.00				
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,920.00		17,200.00				

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 August 3, 1954 Operator Johnson Bros. & Peine

Per Ralph L. Johnson Title Partner

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)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1954

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

Nederland, Colorado
August 3, 1954

U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137

Narrative report on Hoosier Mine for month of July, 1954:

Johnson Bros. & Prime, Operator
Docket No. D.M.E.A. 3173
Contract No. Idm. E657 Tungsten

Starting at a point 140 ft. east of shaft on 300 ft. level, July 1, 1954, and driving east 60 ft. on Hoosier vein for a total of 200 ft.

Formation: Conglomerate, Granite, Pegmetite, and Schist.

Vein: Strong with considerable amount of quartz showing some ferberite at 149 ft. east of shaft, continuing for about 15 ft. Not enough to be of commercial value.

JOHNSON BROS. & PRIME

Ralph L. Johnson

Ralph L Johnson

RLJ:pc

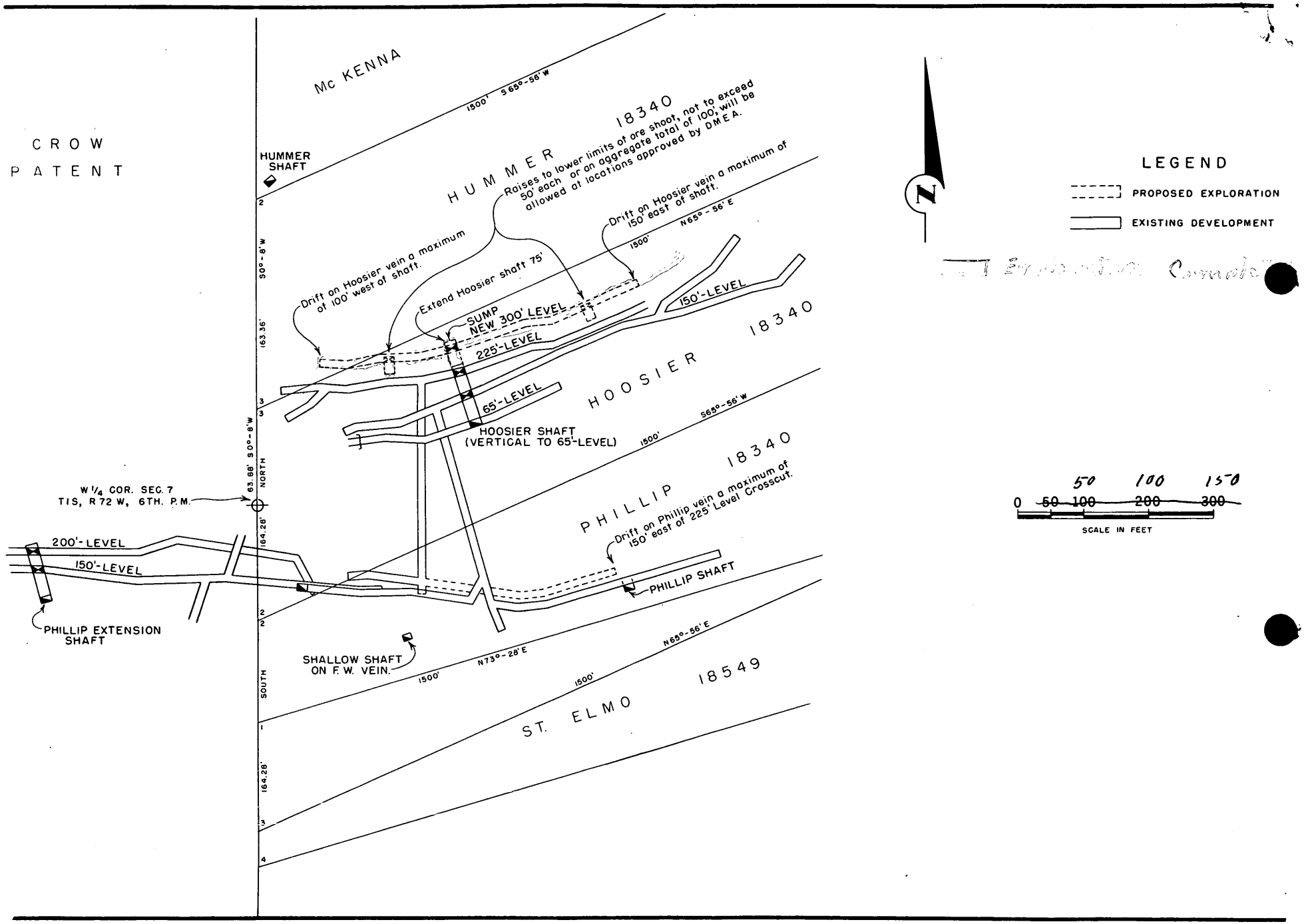

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 27 1954

Month of August 1954 Docket No. DMEA 2073 Contract No. [illegible]
Operator's Name Johnson Bros. & Pelso Minerals Tungsten
Address P.O. Box 336, Nederland, 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	Foot	[illegible]	92	[illegible]	392	[illegible]	450	[illegible]
Crosscutting								
Raising	Foot			1,[illegible]	50	32.00	50	34.00
Shafts	Foot			6,[illegible]	75	80.00	75	80.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		[illegible]		[illegible]				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		[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 Sept. 2, 1954 Operator Johnson Bros. & Pelso

Per Ralph L. Johnson Title Partner

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

Remarks:

(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

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

402

224 New Customhouse
Denver 2, Colorado

July 22, 1954.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3173 (Tungsten), Contract No. Idm-E657, Johnson Brothers and Prime (Hoosier Mine), Boulder County, Colorado.

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 June 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

July 13, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier Mine), Boulder County, Colorado. Operator's Monthly Progress Report for the period June 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	July 3, 1954.
Date Received in Field Office	July 6, 1954.
Date Received in Region Office	July 13, 1954.

W. H. King

W. H. King

Enclosures

RDB:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
July 12, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3173, contract Idm-E657 (Tungsten), Johnson Brothers and Prime (Hoosier mine), Boulder County, Colorado - Progress report for June 1954

Enclosed are the original and four copies of the fifth progress report, the one for June 1954, on the above contract--forms MF-104 and MF-104A, with narrative, progress map--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of drifting progress and checking of the reporting forms. The contract is unit cost on short form MF-200(A) and documentation is not required.

Bolmer, on an inspection July 6, 1954, verified the advance of the 300-foot level from the Hoosier shaft 15-1/2 feet west and 75-1/2 feet east or a total of 91 feet and of 50 feet of raising in a raise located 50 feet west of the shaft on the 300-foot level. This progress is correctly reported in the narrative and entered on the MF-104A forms. Work was performed in accordance with the terms of the contract and entries and extensions are correct on the reporting forms.

The engineer explains conditions encountered adequately in his covering memorandum as does the operator in his narrative. Work west from the shaft, both drifting and raising, was disappointing and completes that authorized under the contract in that direction. No further work west is recommended. The east drifting is essentially completed and showings of ferberite mineralization are sufficiently encouraging to justify approval of substitution of 50 feet of drifting in that direction for the 50 feet of raising as requested by the operator.

Payment is approved and certified on the MF-104 forms of $3,384.00, or 75 percent of the total $4,512.00 claimed by the contractor.

W. M. Traver

W. M. Traver

enclosures

cc 4
E657
DMEA Chron.

WMT/pam

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
July 9, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 3173, contract Idm-E657 (Tungsten), Johnson Brothers and Prime (Hoosier mine), Boulder County, Colorado - Progress report for June 1954

Progress reported this period under the subject contract--91 feet of drifting and 50 feet of raising on the Hoosier 300-foot level--was confirmed during an inspection of the property July 6, 1954.

In June the new 300-foot level drifts were extended on the Hoosier vein to distances of 100 feet westerly and 140 feet easterly from the Hoosier shaft, actual advances during the reporting period of 15-1/2 and 75-1/2 feet, respectively. A raise, started from the new level at a point some 50 feet west of the shaft, also was advanced 50 feet on the vein during the period.

The drifting and raising reported this period west of the shaft completes all authorized project work in this direction. The west drift remained in schist for its full length. The Hoosier vein opened in this distance was weak and unmineralized. The raise also continued in schist for about 46 feet above the level. The last few feet of the raise entered pegmatite. The vein improved in the pegmatite but remained unmineralized. The operator intends to extend the raise to the 225-foot level in order to extract the ore known to exist on the vein immediately below that level.

The advance of the east drift during the period continued in schist for a short distance and then entered a granite gneiss. The vein structure in this latterformation widened somewhat and contained a few inches of quartz and gouge. On the date of inspection this heading had been advanced 149.5 feet teast of the shaft. The last few feet of the drift were in pegmatite, aplite, and gneiss. The vein had widened to about 12 inches of horn quartz and contained from about 1 to 3 inches of good grade ferberite.

The 150 feet of drifting authorized on the Hoosier vein east of the shaft essentially is completed; however, only 50 of the 100 feet of raising authorized for the vein has been performed. In light of the present

favorable showing in the breast of the east drift, the operator has requested authority to drift an additional 50 feet easterly on the vein in lieu of the authorized but unexpended 50 feet of raising. Under the contract, the agreed unit price for drifting and raising is the same and such authorization has been recommended.

The $4,512.00 total costs reported by the operator for the June period--equivalent to the completed 91 feet of drift and 50 feet of raise at the agreed unit price of $32.00 per foot--are approved. Payment of 75 percent of the total approved amount, or $3,384.00, is recommended.

R. R. McLellan
for
R. L. Bolmer
Mining Engineer

cc
E657
DMEA Chron.

RLB/pam

Nederland, Colorado
July 3, 1954

Mr. Wm. Travers, Jr.
U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Narrative report on Hoosier Mine for month of June, 1954:

Johnson Bros. & Prime, Operator
Docket No. D.M.E.A. 3173
Contract No. Idm E657 Tungsten

Starting at a point 84½ ft. west of shaft on 300 ft. level, June 1, 1954, and driving west 15½ ft. for a total of 100 ft.
Formation: Schist
Vein pinched with no quartz.

Then starting raise 50 ft. west of shaft and raising 50 ft.
Formation: Schist, changing to pegmetite and granite last 6 ft. of raise.

Then starting at a point 64½ ft. east of shaft on 300 ft. level and driving drift east 75½ ft. for a total of 140 ft.
Formation: Granite with some schist in foot wall of vein.
Vein much stronger, showing considerable quartz and a strong flow of water.

JOHNSON BROS. & PRIME

Ralph L. Johnson

Ralph L Johnson

pc

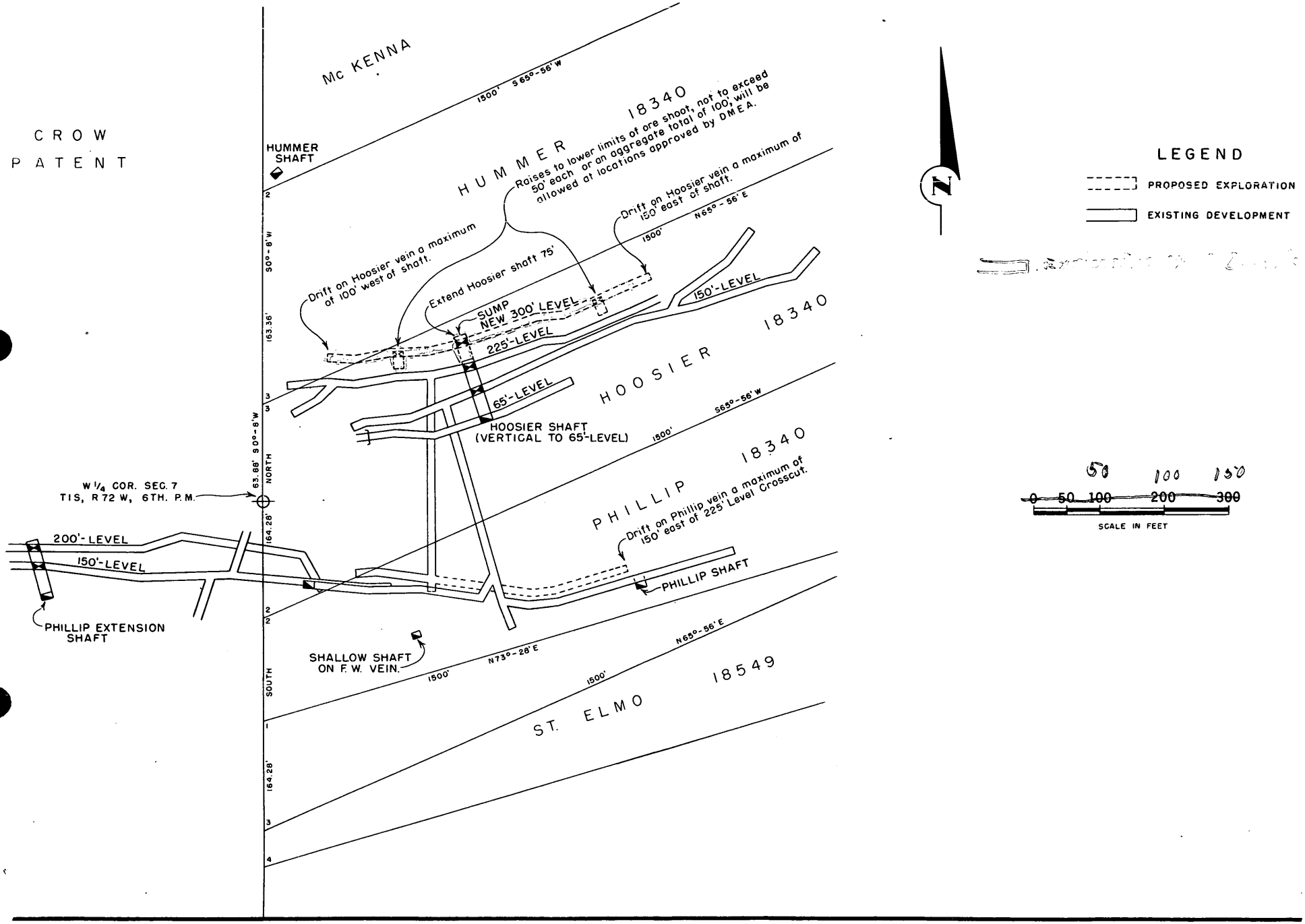

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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 June 1954 Docket No. DMEA 3173 Contract No. Idm. 2657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336, Nederland, Colorado

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	$2912.00	91	$7680.00	240	$32.00	400	$32.00
Crosscutting								
Raising	Feet	$1600.00	50	$1600.00	50	$32.00	100	$32.00
Shafts	Feet			$6000.00	75	$80.00	75	$80.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$4512.00		$15,280.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$4512.00		$15,280.00				

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

Date July 3, 1954 Operator Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

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

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

Month of June, 1954 Docket No. DMEA 3173 Contract No. Idn. 1657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 335, Nederland, Colorado
Contract Amount, $22,000.00 Government Participation: 75 % Amount, $16,500.00

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 Sinking		06000.00	06000.00			
Drifting	2912.00	4768.00	7680.00			
Raising	1600.00		1600.00			
(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	4512.00		15,280.00	4512.00	10768.00	15280.00

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

Date July 3, 1954 *Payee Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$3384.00

Signature [illegible]
(Authorized Certifying Officer)

Date 7/15/54 Vou. No. 2000 55-5

(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. E-657 in accordance with the terms of the contract.

Signature R. L. Bolmer $3,384.00 Title Mining Engineer Date JUL - 9 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. Kung Title Executive Officer Date JUL 13 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

400

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

224 New Customhouse
Denver 2, Colorado

June 16, 1954.

Memorandum

To: Secretary to the Operating Committee

WSM

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier Mine), Boulder County, Colorado.

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 1954

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

224 New Customhouse
Denver 2, Colorado

June 14, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier Mine), Boulder County, Colorado. Operator's Monthly Progress Report for the month of 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 3, 1954.
Date Received in Field Office	June 3, 1954.
Date Received in Region Office	June 11, 1954.

W. H. King

Enclosures

RDB:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 10, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Brothers & Prime (Hoosier mine), Boulder County, Colo.--Progress report for May 1954

Enclosed are the original and four copies of the fourth progress report, the one for April 1954, on the above contract--forms MF-104 and MF-104A, with narrative, progress map--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of drifting progress and checking the reporting forms. The contract is unit cost on short form MF-200(A) and documentation is not required.

Bolmer's inspection showed the new 300-foot level drifts from the Hoosier shaft had been extended 55-1/2 feet east and 70-1/2 feet west from the shaft, a total of 126 feet as reported in the narrative and entered on the MF-104A forms. Accumulative totals are now 75 feet of shaft sinking and 149 feet of drifting. Entries and extensions are correct on the reporting forms and work performance was in accordance with the terms of the contract. Bolmer describes conditions encountered adequately in his memorandum, as does the contractor in his narrative. Conditions westerly are disappointing.

It is recommended, with the concurrence of both the Mineral Resources Branch inspecting engineer and the Geological Survey geologist, that the Region IV Field Team notify the operator to proceed to start the raising authorized by the contract at the point in the west drift designated.

Payment is approved and certified on the MF-104 forms of $3,024.00, or 75 percent of the total $4,032.00 claimed by the contractor.

W. M. Traver

W. M. Traver

enclosure

WMT/kp

cc 4, E657, Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 9, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-2657 (Tungsten), Johnson Brothers & Prime (Hoosier mine), Boulder County, Colo.--Progress report for May 1954

Progress reported under the subject contract during May--a total of 126 feet of drifting along the new 300-foot level off the Hoosier shaft--was confirmed during an inspection of the property June 2, 1954. The inspection was made with E. N. Harshman of the Geological Survey and in the company of Ralph and Roy Johnson.

On the date of inspection, the new 300-foot level drifts had been extended on the Hoosier vein to distances 64-1/2 feet easterly and 84-1/2 feet westerly from the Hoosier shaft, actual advances during the reporting period of 55-1/2 and 70-1/2 feet, respectively.

The vein, both easterly and westerly along the level, has continued as a narrow and barren structure in schist. Its appearance near the breast of the east drift improves somewhat and there is some indication that the vein in this direction would enter granite and pegmatite and would widen. The vein westerly along the level, while still a traceable structure in the schist, is tighter, more broken up, and less promising in appearance. It is doubtful that the structure will improve within the remaining 15 feet of drift authorized in this direction.

If ore is not encountered along the new 300 foot level drifts, the operator is authorized under the contract to raise to the bottom of the ore shoots at locations approved in writing by the DMEA Region IV Field Team. The operator believes that one favorable location for raising from the new level is at a distance of from 35 to 50 feet west of the shaft. Both the inspecting engineer and geologist concur with the operator that such a location is favorable and recommend that the Field Team so notify the operator.

The $4,032.00 total cost reported by the operator for this period on form MF-104--equivalent to the verified 126 feet of drifting at the agreed unit cost of $32.00 per foot--is approved. Payment of 75 percent of the total reported cost, or $3,024.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/kp

cc 6
E657
Chrom

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1954 Docket No. DMEA 3173 Contract No. Idm 2657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336, Nederland, Colorado
Contract Amount, $22,000.00 Government Participation: 75% Amount, $16,500.00

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	$4032.00	$736.00	$4768.00			
Sinking		$6000.00	6000.00			
(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	$4032.00		$10768.00			

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

Date June 3, '54 *Payee Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$3024.00

Signature (Authorized Certifying Officer)

Date 6/15/54 Voucher 54-135

(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. E-657 in accordance with the terms of the contract.

Signature R. L. Bolmer, $3,024.00 Title Mining Engineer Date JUN - 9 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W S King Title Executive Officer Date JUN 14 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.

JUN 21 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1954 Docket No. DMEA 3173 Contract No. Idm E657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336, Nederland, 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	$4032.00	126	$4768.00	149	$32.00	400	$32.00
Crosscutting								
Raising	Feet					32.00	100	32.00
Shafts	Feet			6000.00	75	80.00	75	80.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$4032.00		10768.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$4032.00		$10768.00				

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 June 3, '54 Operator Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

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

Nederland, Colorado
June 3, 1954

Mr. Wm. Travers Jr.
U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Narrative report on Hoosier mine for month of May, 1954:

Johnson Bros. & Prime, Operator
Docket No. DMEA 3173
Contract No. Idm E657 Tungsten

Starting at a point 14' west of shaft on 300 ' level, May 1, 1954, and driving drift west, 70½' for a total of 84½' west.

Formation: Shist; Vein pinched and not in place.

Then starting 9' east of shaft on 300' level, and driving drift east 55½' for a total of 64½' east of shaft.

Formation: Mostly shist with some conglomerate pegmetite; vein showing some quartz.

JOHNSON BROS. & PRIME

Ralph L. Johnson

Ralph L Johnson

pc

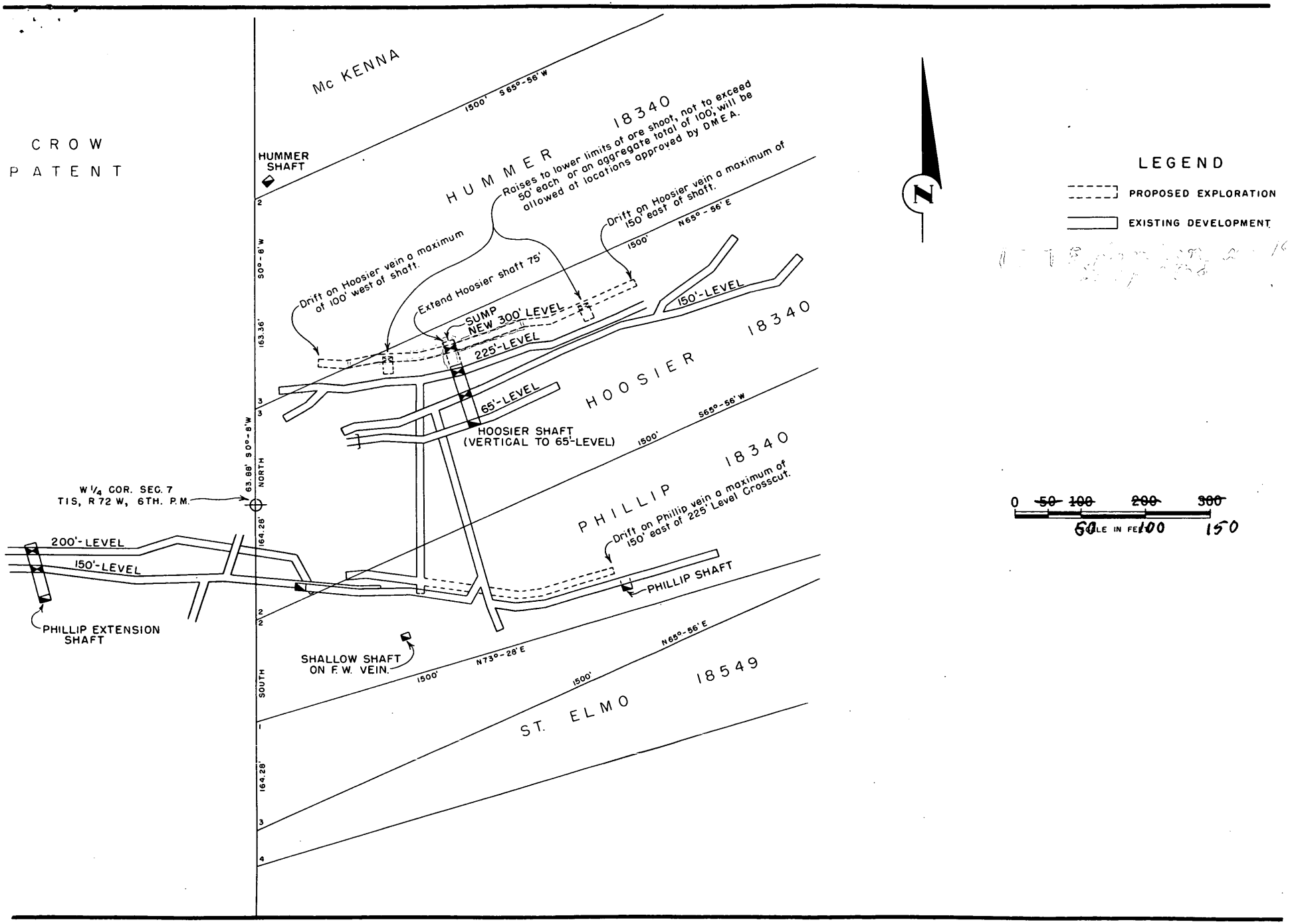

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

14. Exhibit E (question 23-c)*

a) Is it applicable?_____

b) Sufficient data?_____

c) Reasonable?_____

d) Field check needed?_____

15. In your judgment, can the proposed work be done in the proposed time?_____

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?_____

Reviewed by:_____

Date_____

400

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

224 New Customhouse
Denver 2, Colorado

May 12, 1954

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket DMEA 3173 (Tungsten), Contract Idm-1657, Johnson Brothers and Prime (Hoosier mine), Boulder County, Colorado.

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.

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

Enclosures

M7-104
April

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

224 New Customhouse
Denver 2, Colorado

May 10, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers and Prime (Hoosier mine), Boulder County, Colorado. Operator's Monthly Progress Report for the period 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 3, 1954.
Date Received in Field Office	May 4, 1954.
Date Received in Region Office	May 7, 1954.

W H King
W. H. King

Enclosures

RDB:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 7, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Reg. IV

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Brothers & Prime (Hoosier mine), Boulder County, Colo.--Progress report for April 1954

Enclosed are the original and four copies of the third progress report, the one for April 1954, on the subject contract--forms MF-104 and MF-104A with narrative, engineer's progress map, one copy of operator's itemization of actual sinking costs--and the original and six copies of R. L. Bolmer's memorandum covering his inspection of the underground progress and checking of the reporting forms. The contract is unit cost on short form MF-200(A) and documentation is not required.

Bolmer verified the 24.5 feet of sinking the Hoosier shaft and 23 feet of drifting on the new 300-foot level on an inspection made May 3, 1954. The advance is properly reported in the narrative and entered on the MF-104A forms. All entries and extensions are correct on both reporting forms. Conditions encountered are adequately described in the engineer's memorandum and work was performed in accordance with the terms of the contract.

Payment is approved and certified on the MF-104 form of $2,022.00, or 75 percent of the total $2,696.00 claimed by the contractor.

W. M. Traver

W. M. Traver

ENC.

WMT/kp

cc 4
E657
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 5, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Belmer

Subject: DMEA 3173, Contract Idm-8657 (Tungsten), Johnson Brothers & Prime (Hoosier mine), Boulder County, Colo.--Progress report for April 1954

Progress reported under the subject contract during April--the extension of the Hoosier shaft by 24.5 feet and drifting a total of 23 feet from the shaft on the new 300-foot level--was confirmed during an inspection of the property May 3, 1954. The depth of the shaft at the close of the reporting period was measured as 98.5 feet below the Hoosier 225-foot level, a total advance of 75 feet since contract sinking operations commenced February 15, 1954. The drifts started along the Hoosier vein at the new 300-foot level were extended 9 feet easterly and 14 feet westerly from the shaft during the April period. This progress has been reported correctly on form MF-104A and discussed adequately in the accompanying narrative.

The vein exposed in the lower portions of the shaft and on the new level occurs in schist. The vein opened along the west drift consists of 3 to 4 inches of quartz and gouge. It does not contain tungsten mineral nor is it expected to become mineralized while within the schist. The east drift was started in the footwall of the vein and as yet has not advanced sufficiently nor been swung far enough northeasterly to encounter the vein.

The 24.5 feet of shaft advance this period completes the 75 feet of sinking authorized under the contract. The operator has furnished this office with his actual costs for sinking the 75 feet of shaft. These costs are summarized below and compared with those costs originally estimated for the work. The 75 feet of sinking was completed in approximately 10 weeks, the period originally estimated.

	Costs as estimated	Actual costs
Labor and Supervision (includes payroll taxes, liability insurance):	$4,137.37	$4,450.20
Rental, Depreciation of Operating Equipment:	443.33	600.00
Operating Materials and Supplies:		
Timber	269.54	255.90
Explosives	343.67	245.00
Power	303.33	228.31
Other	327.76	202.65
Miscellaneous:		
Repairs to equipment	60.00	261.90
Assaying, accounting	115.00	--
Total cost:	$6,000.00	$6,243.96
Unit cost:	$80.00/ft.	$83.25/ft.

The units of work reported this period--24.5 feet of sinking and 23 feet of drifting--are authorized by the contract. Their completion in an acceptable manner has been verified. The unit costs at which the work has been reported--$80.00/ft. for sinking and $32.00/ft. for drifting--are those agreed upon in the subject short-form contract. The units and costs have been itemized correctly on forms MF-104 and MF-104A. The total amount reported for the April period on form MF-104, or $2,696.00, is approved. Payment of 75 percent of the reported amount, or $2,022.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/kp

cc 6
E657
Chron

Form MF-104A
(April 1952)

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

Defense Minerals Administration
RECEIVED
MAY 14 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 195 4 Docket No. DMEA 3173 Contract No. Ida 2667
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 330, Nederland, 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	730.00	23	730.00	23	32.00	400	32.00
Crosscutting	feet						100	32.00
Raising	feet	1900.00	24½	6000.00	75	80.00	75	80.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2600.00		6730.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2600.00		6730.00				$22,000.00

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 3, 1954 Operator Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1954 Docket No. DMEA 3173 Contract No. Idm. E657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336, Nederland, Colorado
Contract Amount, $ 22,000.00 Government Participation: 75 % Amount, $ 16,500.00

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	$ 736.00	0.00	$ 736.00			
Sinking	$ 1960.00	$ 4040.00	$ 6000.00			
(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	$ 2696.00	$ 4040.00	$ 6736.00	2696.00	4040.00	6736.00

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

Date May 3, 1954 *Payee Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 2,022.00

Signature [illegible]
(Authorized Certifying Officer)

Date 5/11/54 Voucher No. DMA 54-121

(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. 8657 in accordance with the terms of the contract.

Signature R. L. Bolmer, $2,022.00 Title Mining Engineer Date MAY 5 - 1954

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

Signature W. H. King Title Executive Officer Date MAY 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

Nederland, Colorado
May 3, 1954

Mr. Wm. Traver, Jr.
U.S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Narrative report on Hoosier Mine for month of April, 1954:

Johnson Bros. & Prime, Operator
Docket No. DMEA 3173
Contract No. Idm E657
Tungsten

Starting at a point 68' below the 225' level, April 1, 1954, and sinking to a total depth of 92½' below 225' level to complete full 75' of shaft sinking (as per contract) on April 21, 1954.

Then starting drift, April 22, driving 9' east of shaft and 14' west as measured, on April 30, 1954.

Formation: Shist in both walls of vein with some conglomerate shist granite and pegmetite; vein pinched and not in place, showing some quartz with no value.

JOHNSON BROS. & PRIME

Ralph Johnson

Ralph L. Johnson

pc

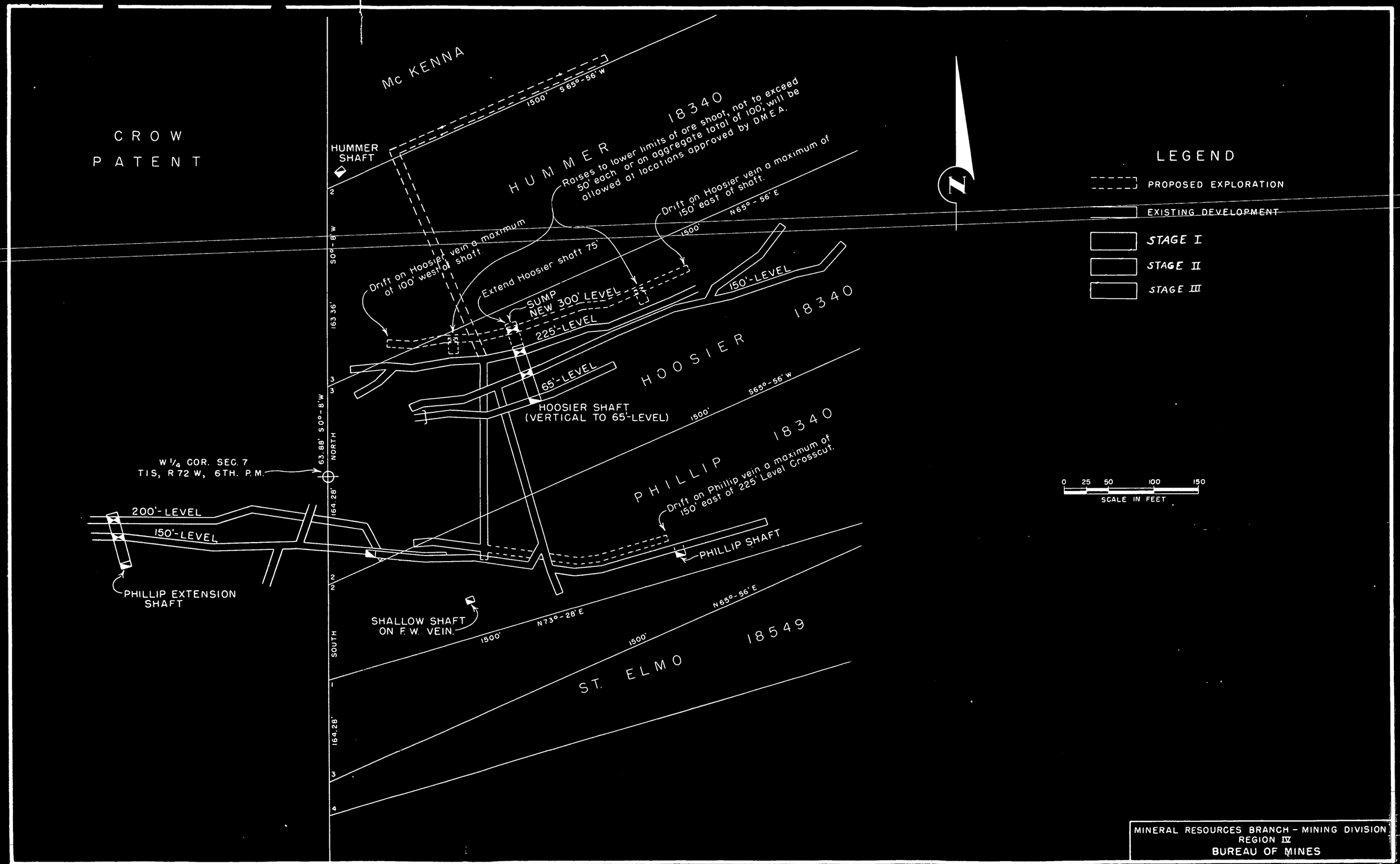

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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

400

224 New Customhouse
Denver 2, Colorado

April 15, 1954.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers & Prime (Hoosier Mine), Boulder County, Colorado.

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.

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

Enclosures

March
mf

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

224 New Customhouse
Denver 2, Colorado

April 13, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-2637, Johnson Brothers & Prime (Hoosier Mine), Boulder County, Colorado. 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 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	April 2, 1954.
Date Received in Field Office	April 5, 1954.
Date Received in Region Office	April 12, 1954.

W. H. King

Enclosures

RDB:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 9, 1954

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Reg. IV

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Brothers & Prime (Hoosier Mine), Boulder County, Colo. Progress report for March 1954

Enclosed are the original and four copies of the second progress report, the one for March 1954 on the above contract, forms MF-104 and MF-104A, with narrative, and the original and six copies of R. L. Bolmer's memorandum covering his inspection of the underground progress and checking of the accounting. The contract is unit cost on short form MF-200 (A) and documentation is not required.

Bolmer confirms the 35.5 feet of sinking the Hoosier shaft as reported in operator's narrative and entered on the MF--104A forms. Work was performed in conformance with the terms of the contract, entries and extensions are correct on the reporting forms, and the operations are adequately described in the narrative and the engineer's memorandum.

Payment is approved and certified on the MF-104 form of $2,130.00 or 75 percent of the total $2,840.00 claimed by the contractor.

W. M. Traver

W. M. Traver

Enclosure

WMT/iei

cc: 4

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 8, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Reg. IV

From: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Brothers & Prime (Hoosier Mine), Boulder County, Colo. Progress report for March 1954

Progress reported during March under the subject contract—the extension of the Hoosier shaft by 35.5 feet— was confirmed during an inspection of the property April 5, 1954. The depth of the Hoosier shaft at the close of the reporting period was measured as 68.0 feet below the Hoosier 225-foot level, a total advance of 50.5 feet since contract operations commenced February 15, 1954.

The operator will cut the new Hoosier 300-foot level station within the next few days and before completing the sump. The shaft, station, and sump probably will be completed during April. Should the spring run off prove greater than anticipated, it may be necessary to halt temporarily all work off the bottom of the shaft. In such case, the operator would commence the 150-foot level drift authorized on the Phillip vein.

The shaft is being sunk along the footwall of the Hoosier vein because of the more favorable ground conditions in that location. Test holes drilled into the hanging wall of the shaft have indicated a vein zone of about 5 feet in width consisting mostly of quarts. Shaft timbering is being carried a safe distance above the bottom of the shaft. It appears that contract work is being carried out efficiently and according to good mining practice.

The units of work reported this period—35.5 feet of shaft sinking—are authorized by the contract. Their completion has been verified by inspection. The unit cost at which the work has been reported, $80.00 per foot, is that agreed to in the contract. The units and costs have been tabulated correctly on forms MF-104 and MF-104A and the work has been described adequately in the operator's

narrative. Documentation of costs is not required under contracts prepared on form MF-200 (A). The total costs reported for the March period on form MF-104, or $2,840.00, are approved. Payment of 75 percent of the total reported amount, or $2,130.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/iei

cc 6

Nederland, Colorado
April 2, 1954

Mr. Wm. Traver, Jr.
U.S. Bureau of Mines
Denver Federal Center
Building 20, Room 137
Denver, Colorado

Narrative Report on Hoosier Mine for month of March, 1954:

Johnson Bros. & Prime, Operator
Docket No. DMEA 3173
Contract No. Idm E657
Tungsten

Starting at a point 32' 6" below the 225' level, March 1, 1954, and sinking shaft to a total depth of 68' below 225' level, as measured on March 31, 1954.

Formation: Schist in both walls of vein for first 15' requiring solid timbering; vein pinching considerably.

Then changing to schist in foot wall and granite appelite in hanging wall with vein showing heavy quartz with no value.

Very slight increase in water flow.

JOHNSON BROS. & PRIME

Ralph L. Johnson

Ralph L Johnson

pc

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 March 1954 Docket No. DMEA 3173 Contract No. Idm E657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336, Nederland, 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						400	$32.00
Crosscutting								
Raising	feet						100	32.00
Shafts	feet	$2840.00	35½	$4040.00	50½	$80.00	75	80.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$2840.00		$4040.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$2840.00		$4040.00				

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 2, 1954 Operator Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March 1954 Docket No. DMEA 3173 Contract No. Idm E657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336, Nederland, Colorado
Contract Amount, $ 22,000.00 Government Participation: 75 % Amount, $ 16,500.00

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						
Sinking	$2840.00	$1200.00	$4040.00			
(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	$2840.00	$1200.00	$4040.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date April 2, 1954 Payee Johnson Bros. & Prime
Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 2130.00

Signature [illegible]
(Authorized Certifying Officer)

Date 4/14/54 Vou. No. DMEA 54-107

(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. E-657 in accordance with the terms of the contract.

Signature R. L. Bolmer, $2,130.00 Title Mining Engineer Date APR - 7 1954

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

Signature W. H. King Title Executive Officer Date APR 13 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

400

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 3173 (Tungsten), Contract Idm-1657, Johnson Brothers & Prime, (Hoosier Mine), Boulder County, Colorado.

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. E. King

Enclosures

File
mf-104

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

224 New Customhouse
Denver 2, Colorado

March 11, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3173 (Tungsten), Contract Idm-E657, Johnson Brothers & Prime, (Hoosier Mine), Boulder County, Colorado. 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.

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	March 2, 1954.
Date Received in Field Office	March 5, 1954.
Date Received in Region Office	March 10, 1954.

W. H. King

Enclosures

RDB:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 9, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Brothers & Prime (Hoosier mine), Boulder County, Colo.--Progress report for February 1954

Enclosed are the original and four copies of the above progress report, the initial one--forms MF-104 and MF-104A, with narrative--and the original and six copies of R. L. Bolmer's memorandum covering inspection of the underground progress and checking of the accounting. The contract is unit cost on short form MF-200(A), and documentation is not required.

Operations started under the contract February 15. Bolmer confirms the Hoosier shaft sinking progress of 15 feet reported in the narrative and entered on the MF-104A form. Work was in conformance with the terms of the contract, and entries and extensions on the reporting forms are correct. Physical conditions encountered in the sinking are adequately explained in the engineer's memorandum.

Payment is approved and certified on the MF-104 form of $900.00, or 75 percent of the total $1,200.00 claimed by the contractor.

W. M. Traver

W. M. Traver

enclosures

WMT/kp

cc: ✓4
E657
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 8, 1954

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-2657 (Tungsten), Johnson Brothers & Prime (Hoosier mine), Boulder County, Colo.--Progress report for February 1954

Progress under the subject, short-form contract as reported by the operator for the February period--the extension of the Hoosier shaft by 15 feet--was confirmed during an inspection of the property March 1, 1954. On that date, the depth of the shaft was measured as 32.5 feet below the Hoosier 225-foot level.

Contract work commenced February 15, 1954. On that date and after cleaning out, the bottom of existing sump, from which the contract sinking of the Hoosier shaft was begun, measured 17.5 feet below the 225-foot level. On the date of inspection, the shaft had passed through the mineral mentioned in the operator's narrative. The vein in the lower 10 feet of the shaft is narrow and barren of ferberite, and it is not expected that additional mineral will be encountered until drifting is started towards the east and west on the new 300-foot level. Because of the anticipated flow of water, the shaft is being advanced by benching. Rounds approximating 4 feet in depth are drilled in the higher side each shift. The advance has averaged about 1.5 feet per shift.

To date, shaft sinking has been carried out on a night shift under the supervision of Ralph Johnson. The day shift has been devoted to pulling and milling old fill from stopes occurring on the Phillip vein above the Hoosier 150-foot level. The day shift is supervised by Roy Johnson.

The units and unit costs reported this period--15 feet of shaft sinking at $80.00 per foot--are as authorized in the contract. The total costs reported on form MF-104, or $1,200.00, are approved. Documentation of costs is not required under contracts prepared on form MF-200(A). Payment of 75 percent of the total reported costs, or $900.00, is recommended.

Roy Johnson resides in Nederland, Colo. His mailing address is P. O. Box 336, Nederland, Colo.; his telephone number is Nederland 252. Correspondance to Johnson Brothers & Prime will be received at the above address.

R. L. Balmer

R. L. Balmer
Mining Engineer

RLB/kp

cc: 6
18657
Chron

Nederland, Colorado
March 2, 1934

United States
Department of the Interior
NRA Regional Office
524 New Customhouse Building
Denver 2, Colorado

Narrative Report on Rossler mine for month of February, 1934:

Johnson Bros. & Price, Operator
Docket No. NRA 3175
Contract No. Idm 2557
Tungsten

We cleaned out present sump which extended 17' 6" below 325 ft. level; and commenced sinking on contract Feb. 15, 1934.

Formation is mostly schist with some granite aplite in foot wall.

Traces of ferberite found in first six feet of work. Water flow comparatively light so far.

We finished 15 feet of sinking by Feb. 28, 1934.

Will furnish maps and sketches as soon as drifting is started.

JOHNSON BROS. & PRICE
Nederland, Colorado

Ralph L. Johnson

Ralph L Johnson

po

Form [illegible] 1044
(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 February 195 4 Docket No. DMEA 3173 Contract No. Idm E657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336, Nederland, 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 x	feet						400	$32.00
Crosscutting								
Raising x	feet						100	$32.00
Shafts x	feet	$1200.00	15	$1200.00	15	$80.00	75	$80.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$1200.00	--	$1200.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1200.00		$1200.00				$ 22,000.00

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 March 2, 1954 Operator Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Form MI[illegible] (Rev.)
(April [illegible])

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
[illegible] 29 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1954 Docket No. DMEA 3173 Contract No. Fdm E657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336 Nederland, Colorado
Contract Amount, $ 22,000.00 Government Participation: 75 % Amount, $ 16,500.00

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						
Sinking	$1200.00	--	$1200.00			
(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	--	$1200.00	1200.00	--	1200.00

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

Date March 2, 1954 Payee Johnson Bros. & Prime

Per Ralph L. Johnson Title Partner

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

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

(Instructions on reverse)

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

$ 900.00

Signature [illegible] (Authorized Certifying Officer)

Date 3/24/54 Vou. No. 2000 54

(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. E-657 in accordance with the terms of the contract.

Signature R. L. Polmer, $900.00 WM Title Mining Engr. Date MAR - 8 1954

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

Signature W H Kung Title Executive Officer Date MAR 11 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

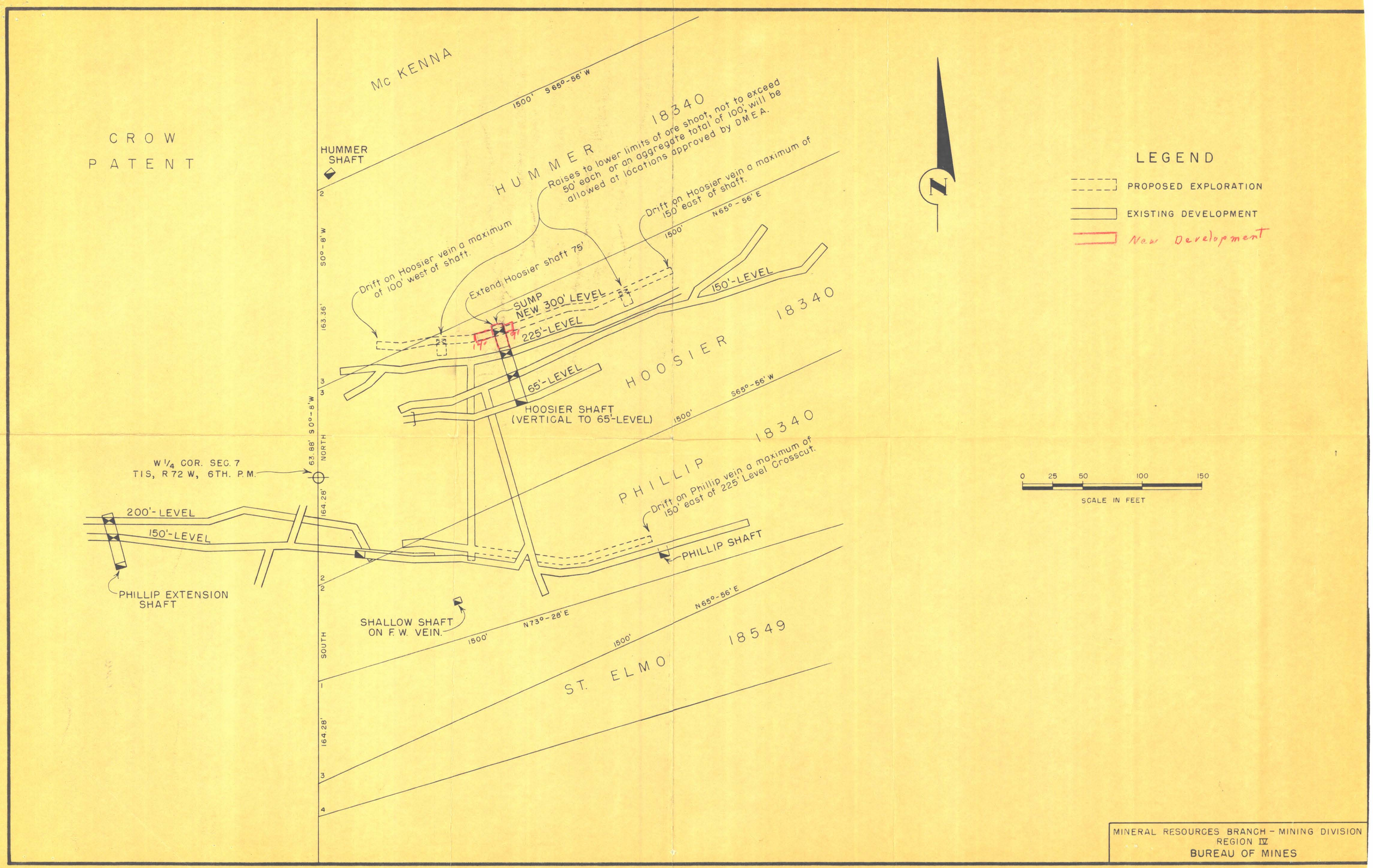

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)