For royalty payment of $14.07, dated February 28, 1962, see transmittal letter file.

900

Louisville, Colorado
February 24, 1962

Office of Minerals Exploration
Building 20 Federal Center
Denver 25, Colorado
Hugh M. Connors
Acting Field Officer, O.M.E.

D.M.E.A. 3173 (tungsten)
Contract DmE657
Johnson Bros. & Prime
(Hoosier Mine)
Boulder County, Colorado

Dear Mr. Connors:

Thank you for your letter of February 23, 1962 advising me of the Government's decision on the last lot of ore we mixed under the said Government contract from Hoosier mine at Nederland, Colorado.

Enclosed please find our check in the amount of $14.07, as payment in full of Royalty due the Government on this lot.

Yours very truly,

JOHNSON BROS. & PRIME

Ralph L. Johnson

Ralph L. Johnson

Enclosure

skw

(3)

AMC

Re. D.M.E.A. 3173 (tungsten)

Contract IdmE657

Johnson Bros. & Prime

Hoosier Mine

Boulder County, Colorado

Gross weight 750 Lbs.

Assay 50% Wo3 = 375 Lbs. Wo3

@ $15.00 per ton unit or $ .75 per Lb. $231.25

Government Royalty 5% = $14.07.

Building 20 - Federal Center
Denver 25, Colorado

February 23, 1962

EXTRA COPY
O. M. E.
RECEIVED FEB 23 1962
DATE
800

Mr. Ralph L. Johnson
Johnson Bros. & Prime
500 Great Avenue
Louisville, Colorado

Re: EMEA-3173 (Tungsten)
Contract Idm-E657
Johnson Bros. & Prime
(Hoosier Mine)
Boulder County, Colorado

Dear Mr. Johnson:

This has further reference to your letter to us dated February 1, 1962 regarding sale of the stockpiled ore.

The Washington Office OME advises that the Government is willing to accept payment of royalty due the Government under the terms of the contract on the small lot, estimated weight 750 pounds, price $15.00 per unit of WO_3, as offered in your letter of February 1, 1962.

The Government will also accept the assay value of 50 percent WO_3 noted in your letter.

Please send your check for the above mentioned royalty to this office.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

HMC/lm
cc Chief, Division of Field Operations, OME (2)
Idm-E657 Royalty Corres.
Chron

Building 20 - Federal Center
Denver 25, Colorado

February 5, 1962

Memorandum

To: George C. Selfridge, Chief,
Division of Field Operations, OME
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: DMEA-3173 (Tungsten)
Contract Idm-B657
Johnson Bros. & Prime
(Hoosier Mine)
Boulder County, Colorado

Attached are the original and one copy of the Operator's letter dated February 1, 1962 and copies of my reply.

I recommend that we accept the Operator's proposal.

Original signed by

Hugh M. Connors

Attachments

EXTRA COPY
O. M. E
RECEIVED FEB 8 1962
DATE INITIALS
CODE
800

(2)

Hme

OME
DEPARTMENT OF THE INTERIOR
FEB 1962
REGION III
DENVER, COLORADO

February 1, 1962

United States Office of Minerals Exploration
Building 20, Federal Center
Denver 25, Colorado

Attention Mr. Hugh M. Connors, Acting Field Officer OME, Region III

Dear Sir:

DMEA 3173 (tungsten) Contract 7 dm. 5657
Hoosier Mine, Johnson Bros. & Prime

Rec: your letter of January 26, 1962 and note especially the paragraph regarding the small lot of tungsten concentrates we had on hand at the cessation of operations of the Hoosier Mine January 1, 1957.

Although there is no local market for this type ore, the highest local quotation I have been able to get is fifteen ($15) dollars per short ton unit.

In order to close our books, I would like to know if it would be possible to pay the Government's royalty based on that price.

Also would our original assay of 50% WO_3 be accepted in order not to have additional expense on such a small lot.

Sincerely yours,

Johnson Bros. & Prime, Nederland, Colo.

Ralph L. Johnson

Ralph L. Johnson

skw

EXTRA COPY
O. M. E.
RECEIVED FEB 8 1962
DATE
INITIALS

Building 20 - Federal Center
Denver 25, Colorado

February 5, 1962

Mr. Ralph L. Johnson
500 Grant Avenue
Louisville, Colorado

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

Dear Mr. Johnson:

Thank you for your letter of February 1, 1962 which I have forwarded the Washington Office OME and I will advise you of their final decision.

Yours very truly,

(Original signed by)

Hugh M. Cosmore
Acting Field Officer, OME
Region III

HMC/lm
cc Chief, Division of Field Operations, OME
Contract Idm E657
Chron

EXTRA COPY
O. M. E
RECEIVED FEB 8 1962
DATE
INITIALS

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-8657, Docket DMEA-5173 (tungsten), dated January 18, 1954, with

Johnson Bros. & Prime
c/o Ralph L. Johnson
500 Grant Avenue
Louisville, Colorado

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Hoosier Mine located in Boulder County, Colorado, during the period May 22, 1957, through December 26, 1961.

A certification of discovery or development was issued on March 12, 1956, and, in accordance with Amendment No. 2 and Annex II of the contract, royalty is payable on all minerals produced from the land described in Article 2 and Amendment No. 2 of the contract for a period of 10 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated March 9, 1956, indicated accepted costs under the exploration contract amounting to $37,744.00 with the Government's contribution on a 75 percent basis being $28,308.00.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established no sales subject to the Government's royalty subsequent to the period covered by a prior Report of Royalty Review, which found the sales subject to the Government's royalty through May 21, 1957, to be $79,742.24. The royalty account as of May 21, 1957, was:

Total Royalty Payable	$3,982.37
Total Royalty Paid	3,982.37
Balance of Royalty Due	$ -0-

As of December 26, 1961, the royalty account of this project was found to be:

Total Royalty Payable	$3,982.37
Total Royalty Paid	3,982.37
Balance of Royalty Due	$ -0-

E. D. Talbert

January 4, 1962

E. D. Talbert, OME Auditor

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

At the time the exploration contract was executed, the Operator (a partnership composed of Ralph L. Johnson, Roy W. Johnson, and George A. Prime) held possession of three of the claims (Hoosier, Hummer, and Phillip) by virtue of a three-year lease dated September 1, 1953, from Hetzer Mines, Inc. On February 15, 1954, the lease was extended to a period of ten years from the date of the exploration project contract. By a September 1, 1953, amendment to the lease the fourth claim (McKenna) under the contract, as amended, was added.

The exploration project contract, as amended, provides that the Operator, as principal if the producer or as surety if not the producer, shall pay the Government's percentage royalty on all minerals produced from the four claims under the contract and, also, on all production from the adjoining Crow patented claim that is transported through any workings described in the contract. An Owner's Consent to Lien executed by Hetzer Mines, Inc., on September 28, 1954, further secures the payment of royalty by granting the Government a lien on the land under the contract and any production therefrom.

On August 20, 1954, Hetzer Mines, Inc., was acquired by Cold Spring Tungsten, Inc., 1036 First National Bank Building, Denver 2, Colorado, through the purchase of all outstanding stock and, on May 31, 1955, it was fully integrated and lost its identity. The Operator completed the exploration work on May 31, 1955. All operations ceased and the lease was relinquished on January 1, 1957.

All sales of production from the date of the contract are covered by a prior Report of Royalty Review. Upon cessation of operations an estimated 750 pounds of 50% tungsten concentrates was stockpiled at the Hoosier Mill at Nederland, Colorado. The exploration project contract provides that the Government, at its option, may require the computation and payment of royalty on the value of such concentrates at any time after the lapse of six months from the date of extraction of the ore.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The property has been inactive since January 1957;
(2) All sales of production since the date of the contract have been accounted for and proper royalty thereon paid; and

(5) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

MME Form 22
Dec. 60

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

*

Operator's Name and Address

Mr. Ralph L. Johnson
Johnson Bros. & Prime
500 Grant Avenue

Louisville, Colorado

Contract No.	Docket No.
Idm E657	DMEA-3173

Prepared by (Signature)	Date
Original signed by T. M. Romero	December 26, 1961

Yes	No		
		1. (a)	Does the Operator stockpile ore subject to royalty repayment?
		(b)	If so, is segregation and identification procedure adequate?
		2. (a)	Does the Operator commingle production subject to DMEA or OME royalties with exempt production?
		(b)	If so, is the allocation of the commingled production equitable?
		3. (a)	Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?
		(b)	If so, are adequate records maintained on such material to protect the Government's interest?
		4.	Are the assay controls in effect adequate?
		5.	Does the manner of disposing of production give the Government its fair royalty returns?
		6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties?
		7.	Does the Operator buy from or sell to other Operators?
		8.	Current status of property. (Check one).
			Operating.
	X		Inactive.
			Abandoned.
***		Jan. 1957	Date of last production if not operating.

Comment on items 1(b), 2(b), 3(b), and 4 to 6, if answer is No:

* Operator reported Dec. 19, 1959, lease agreement with Cold Spring Tungsten, Inc. (Present address unknown) was relinquished Jan. 1, 1957.

*** Confirmed by U.S.B.M. production records.

84861-60

Building 20 - Federal Center
Denver 25, Colorado

extra

OFFICIAL FILE COPY
O. M. E.
RECEIVED JAN 29 1962

DATE	INITIALS	
		800

January 26, 1962

Johnson Bros. & Prime
c/o Ralph L. Johnson
500 Grant Avenue
Louisville, Colorado

Re: DMEA-3173 (Tungsten)
Contract Ida-B657
Johnson Bros & Prime
(Hoosier Mine)
Boulder County, Colorado

Gentlemen:

Enclosed is a copy of the Report of Royalty Review on the subject contract dated January 4, 1962 covering the period May 22, 1957, through December 26, 1961, which shows that no royalty is due the Government at this time.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

Enclosure

HMC/lm
cc Chief, Division of Field Operations, OME
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. B657
Chron

EXTRA COPY
O. M. E
RECEIVED

Building 20 - Federal Center
Denver 25, Colorado

January 26, 1962

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

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

Attached is the original Report of Royalty Review on the subject property dated January 4, 1962 covering the period May 22, 1957, through December 26, 1961.

Original signed by

Hugh N. Connors

Attachment
HNC/lm
cc Chief, Division of Field Operations, OME
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres E657
Chron

JAN 18 1962

Memorandum

To: Acting Field Officer, Region III

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

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

The original and two copies of a Report of Royalty Review covering the subject contract are enclosed. If you concur in the facts stated therein, please make the following distribution:

(a) Original to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.;
(b) One copy for the Operator; and
(c) One copy for your files.

As evidence of your concurrence, a copy of your letter transmitting the copy of the report to the Operator should be furnished this Division. If for any reason you do not concur, the original and both copies of the report should be returned to this Division with your comments.

Enclosures

EDTalbert/ama 1-18-62

cc:
Docket
Director's Reading File
CA & A Division
Mr. Rothrock

DEC 21

Memorandum

To: Acting Field Officer, Region III

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

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

This Division is preparing a Report of Royalty Review on the subject contract. Accordingly, your submission of an original and one copy of MME Form 22, Check Sheet of Examining Engineer, will be appreciated.

It appears that the property under this contract has been inactive since January 1, 1957. If this is so, please confirm by an appropriate statement under item 8 of MME Form 22.

EDTalbert/ama 12-21-61

cc:
Docket
Director's Reading File
CA & A Division

12-19-59

OME
DEPARTMENT OF THE INTERIOR
DEC 22 1959
REGION III
DENVER, COLORADO

L. W. Townsend
Executive Officer OME
Field Team. Region III

Re. Docket No. DMEA 3173
Contract No. Idm. C 657
Johnson Bros & Prime
(Hoover Mine)
Nederland Colo

Re Your letter of Dec 7 1959

Dear Sir:

The land under contract No. Idm C657 is owned by Cold Spring Tungsten Inc. 899 17th St Denver Colo.

We (Johnson Bros & Prime) operated this mine under lease until Jan 1 1957 at which time we closed down operations and relinquished our lease because of market conditions.

There has been no further operations of this property up until the present time. Also no production since Jan 1 1959

Yours Very Truly
Ralph E. Johnson (Partner)
500 Grant Ave.
Louisville
Colo

Johnson Bros & Prime
Nederland Colo

Chairman (2)

EXTRA COPY
O. M. E
RECEIVED DEC 28 1959

DATE	INITIALS	CODE
		800

EXTRA COPY O. M. E. RECEIVED DEC 21 1959		
DATE	INITIALS	CODE
		800

Building 20 - Federal Center
Denver 25, Colorado
December 17, 1959

CERTIFIED MAIL

Mr. Ralph Johnson, Agent
Johnson Bros. & Prime
500 Grant Avenue
Louisville, Colorado

Re: Docket No. DMEA 3173 (Tungsten)
Contract No. Idm-E657
Johnson Bros. & Prime
(Hoosier mine)
Boulder County, Colorado

Dear Mr. Johnson:

In reference to the instructions in the last paragraph of the letter to you from C. O. Mittendorf, Administrator, DMEA, forwarding Certification of Contract Idm-E657 dated March 12, 1956, please advise the status of land ownership, current operations at the project, and whether or not there has been any production from the land subordinated under the contract since January 1, 1959.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

JWT:ltm

cc: Chan. Op. Comm. (2)
Roy. Corres. E657
Semiannual Rept. File, E657
Susp.
Chron.

3

OME
DEPARTMENT OF THE INTERIOR
NOV 23 1959
REGION III
DENVER, COLORADO

Nov. 21 1959

Re. Docket No 3173 Tungsten
Contract No 9dm E657
Johnson Brooks Prime
(Hoosier mine)
Nederland Colo

Office of Minerals Exploration
Denver 25 Colo.

Your letter of Nov 16 1959 received and the information you have on the last lot of tungsten concentrates from the Hoosier mine is incorrect

The said concentrates are stored at our mill at Nederland, and to my knowledge since never been assayed or weighed.

No disposition has as yet been made of said concentrates as you know we have no local market for tungsten

Very Truly Yours
Ralph L Johnson
600 Grant ave
Louisville
Colo

11/23/59
copy distributed to
chairman (2)
Hailey

EXTRA COPY
O. M. E.
RECEIVED NOV 27 1959
DATE | INITIALS | CODE
801

EXTRA COPY
O. M. E.
RECEIVED NOV 19 1959

DATE	INITIALS	CODE
		8012

Building 20 - Federal Center
Denver 25, Colorado
November 16, 1959

CERTIFIED MAIL

Mr. Ralph L. Johnson
Johnson Bros. & Prime
P. O. Box 336
Nederland, Colorado

Re: Docket No. DMRA 3173 (Tungsten)
Contract No. IBm-E657
Johnson Bros. & Prime
(Hoosier mine)
Boulder County, Colorado

Dear Mr. Johnson:

We have had no reply to our letter to you dated October 8, 1959, in which we asked what disposition has been made of the 750 pounds of Tungsten concentrates which were stored at Ralph Johnson's house in Lafayette, Colorado, as of January 14, 1959, the date of our last inspection. Will you please advise.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

EMC:ltm

cc: Chmn. Op. Comm. (2)
Roy. Corres. E657
Chron.

EXTRA COPY O. M. E. RECEIVED OCT 16 1959		
DATE	INITIALS	CODE
		800

Building 20 - Federal Center
Denver 25, Colorado

October 8, 1959

Mr. Ralph L. Johnson
Johnson Bros. & Prime
P. O. Box 336
Nederland, Colorado

Re: Docket No. DMEA 3175 (Tungsten)
Contract No. Xm-3657
Johnson Bros. & Prime
(Hoosier mine)
Boulder County, Colorado

Dear Mr. Johnson:

The last inspection of the Hoosier mine was made January 14, 1959. At that time, it was noted that 750 pounds of concentrates, estimated to run 50 percent WO_3, was stored at Ralph Johnson's house in Lafayette, Colorado.

Will you please advise what disposition has been made of the tungsten concentrates.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

BNC:ltm

cc: Chmn. Op. Comm. (2)
Roy. Corres. B657
Semiannual file
Chron.

June 12, 1957

Memorandum

To: Chairman, Operating Committee

From: Jay L. Chambers, Director
Contract Administration and Audit Division

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

I do not believe this letter should be sent to Mr. King.

The engineer gave sufficient explanation in a footnote entitled 3.b to point 3. (b) referred to in Mr. Chapman's proposed letter. (See Report of Royalty Review dated May 29, 1957.)

It would seem unreasonable to require the Operator to keep detailed records of tailings which may never have any value. If such tailings should ever have market value, a statistical approach would be necessary anyway and more reasonable.

Attachment

JLChambers/wb
June 12, 1957

Copy to: Docket
Admr. Reading File
Mr. Chambers

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, DMEA Field Team, Region III, Denver, Colorado, pertaining to Contract Idm-2657, Docket No. DMEA-3173, dated January 18, 1954, with

Johnson Brothers and Prime
500 Grand Avenue
Louisville, Colorado

for the purpose of determining the amount of royalties due the U. S. Government on sales of tungsten ore and concentrates, from property referred to as Hoosier Tungsten Mine located in Boulder County, Colorado, during the period January 18, 1954 to May 21, 1957.

A certification of discovery or development was issued on March 12, 1956, and in accordance with the contract as amended, royalty is payable on production from the land described in the contract until January 18, 1964.

A Report of Review in lieu of a final cost audit dated March 9, 1956, indicated accepted costs under the exploration contract amounting to $37,440.00, with the Government's contribution on a 75 percent basis being $28,308.00.

My review included a tabulation and recomputation of all settlement sheets, a conference with Mr. Carl Belser, Mining Engineer, Denver, Colorado, who is thoroughly familiar with the project.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(a) The Engineer consulted, is of the opinion that all sales of ore and concentrates produced during the period January 18, 1954 to May 21, 1957, for which settlement sheets have been released, have been properly accounted for.

(b) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

The review established the total net sales of tungsten ore and concentrates to be $79,742.24. Royalty due the U. S. Government at contract rates is $3,982.37.

The royalty paid and the balance due are as follows:

Total Royalty Due	$3,982.37
Total Royalty Paid	$3,982.37
Balance of Royalty Due	$ 0.00

DMEA
RECEIVED JUN 3
DATE | INITIALS | CODE

May 29, 1957

T. H. Brading, Auditor

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 3 1957

DATE	INITIALS	CODE

Check Sheet of Examining Engineer

Operator's Name Johnson Brothers and Prime

Address 500 Grant Avenue

Louisville, Colorado

Exploration Contract No. Idm-E657

Docket No. DMEA-3173

		Check One Yes	No
1. (a)	Does the Operator stockpile ore subject to royalty repayment?	X	
(b)	If so, is segregation and identification procedure adequate?	X	
2. (a)	Does Operator commingle production subject to DMEA royalties with exempt production?	X	
(b)	If so, do you consider the allocation of the commingled production equitable?	X	
3. (a)	Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?	X	
(b)	If so, are adequate records maintained on such material to protect the Government's interest?		X
4.	Do you consider the assay controls in effect are adequate?	X	
5.	Do you consider that the manner of disposing of production gives the Government its fair royalty returns?	X	
6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA royalties?	X	
7.	Does the Operator buy from or sell to other Operators?	X	

8. Comment on any item 2 (b) to 6 if answer is No.

3.b Tailings go into common tailing dump, which may be rerun under favorable market conditions

Date May 21,1957

Carl Belser
Mining Engineer

JUN 4 1957

Mr. Thomas H. Breding
DMRA Auditor
224 New Customhouse Building
Denver 2, Colorado

Re: Report of Royalty Review
Johnson Brothers and Prim
Contract No. [illegible]
Docket No. DMRA-3173

Dear Mr. Breding:

Receipt is acknowledged of the Washington copies of your Report of Royalty Review covering the above-cited project.

The report is acceptable and normal distribution is authorized.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

EDTalbert/wb
June 4, 1957

Copy to: Docket
Admr. Reading File
Mr. Chambers

For Certificate of Deposit No. 105, dated February 7, 1957, giving royalty payment of $44.79, see E-53.

Denver, Colo.

THIS DEPOSIT IS NOT SUBJECT TO CHECK.

DEPOSIT NO. 14-23-010-96

For credit of 413 Treasury Regional Office, Denver, Colo. 1/21/56
(Name, title, and disbursing or other identification symbol of accountable officer) (Date of deposit)

deposited with Federal Reserve Bank of Kansas City, Mo. Denver, Colo.
(Name and location of depositary)

$ 143.97

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X1401		143.97

(Depositor will insert below his name, title, Department or Agency concerned, and his address)

Defense Minerals Exploration Administration
224 New Custom House
Denver 2, Colorado

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

I certify that the above amount has been received for credit in the account of the Treasurer of the United States on the date shown, subject to adjustment for uncollectible items included therein.

Bonnett
(Authorized signature)

1/21/57
(Date of credit in Treasurer's account)

DEPOSITARY WILL DATE, SIGN, AND RETURN THIS TO DEPOSITOR FOR HIS RETAINED COPY

16—59686b-1 GPO

TRIPLICATE

STANDARD FORM 201 (Formerly Cert. of Deposit, Form 1)
Promulgated Oct. 1949 by Treasury Dept., Fiscal Service

E-657 Johnson Bros & Prime 143.97

1957 JAN 21 PM 12 41

For Certificate of Deposit No. 139, dated June 12, 1956, giving royalty repayment of $134.37, see E-54.

For Certificate of Deposit No. 128, dated May 16, 1956, giving royalty repayment of $66.83, see E-7.

For Certificate of Deposit No. 122, dated May 2, 1956, giving royalty repayment of $593.03, see E-53.

For Certificate of Deposit No. 114, dated April 12, 1956, giving royalty repayments of $254.73 and ~~$1,162.91~~, see E-53.

For Certificate of Deposit No. 104, dated March 16, 1956, giving royalty repayment of $255.12, see E-53.

For Certificate of Deposit No. 96, dated February 27, 1956, giving royalty repayment of $52.88, see E-53.

For Certificate of Deposit No. 92, dated February 14, 1956, giving royalty repayment of $178.01, see E-53.

For Certificate of Deposit No. 85, dated January 25, 1956, giving royalty repayment of $89.98, see E-53.

For Certificate of Deposit No. 84, dated January 24, 1956, giving royalty repayment of $23.26, see E-53.

For Certificate of Deposit No. 76A, dated December 23, 1955, giving royalty repayment of $148.36, see E-53.

E-657

For Certificate of Deposit No. 73, dated December 14, 1955, giving royalty repayment of $16.04, see E-333.

E-657

For Certificate of Deposit No. 57, dated November 2, 1955, giving royalty repayment of $26.25, see E-36.

For Certificate of Deposit No. 44, dated October 11, 1955, giving royalty repayment of$17.83, see E-53.

For Certificate of Deposit No. 34, dated September 15, 1955, giving royalty repayment of $308.63, see E-53.

For Certificate of Deposit No. 25, dated August 25, 1955, giving royalty repayment of $2.03, see E-360.

For Certificate of Deposit No. 20, dated August 15, 1955, giving royalty repayment of $168.68, see E-53.

For Certificate of Deposit No. 12, dated July 28, 1955, giving royalty repayment of $67.41, see E-4.

E-657

For Certificate of Deposit No. 122, dated June 10, 1955, giving royalty repayment of $114.14, see E-36.

For Certificate of Deposit No. 108, dated May 16, 1955, giving royalty repayment of $79.90, see E-36.

E-657

For Certificate of Deposit No. 78, dated March 3, 1955, giving royalty repayments of $241.80 and $26.90, see E-53.

RECEIVED
MAR 12 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of

Johnson Brothers and Prime
500 Grand Avenue
Louisville, Colorado

pertaining to Exploration Project Contract No. Idm-X657, Docket No. DMEA-3173, including Amendments Nos. 1 and 2, for the months of February, 1954 to May, 1955, inclusive, covering a project for the exploration of Tungsten on property known as Hoosier Tungsten Mine located in Boulder County, Colorado, two miles northeast of Nederland.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, conference with the Executive Officer, DMEA Field Team, Region III, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reason:

> All of the costs incurred were under a contract provision for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

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

Total cost as billed by Contractor		$37,744.00
Exceptions:		
By DMEA Finance Officer	$0.00	
Herewith	0.00	0.00
Total Accepted Cost		$37,744.00

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the Contractor by the Government in the amount of Twenty-eight thousand, three hundred eight and 00/100ths Dollars

** $28,308.00 **

is considered valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Donald T. Finch

March 9, 1956

Donald T. Finch, Auditor

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.

RECEIVED
MAR 22 1956

224 New Customhouse
Denver 2, Colorado

March 19, 1956

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

W. M. Traver

Enclosures

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 May, 1955 Docket No. DMEA 3173 Contract No. Idm 8657
Operator's Name JOHNSON BROS. & RIVE Minerals Tungsten
Address P.O. Box 330, Sutherland, Colorado
Contract Amount, $ 38,000.00 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	19200.00	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. & RIVE

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:

1200.00 see memo attached $1000.00

Signature Randell K. 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. E657 in accordance with the terms of the contract.

Signature R. L. Bilmer, $1200.00 W/H/S Title Mining Engineer Date JUN - 7 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Kramer 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.

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

RECEIVED
JUN 27 1955

Month of May 1955 Docket No. DMEA 3173 Contract No. 1dm-B657
Operator's Name JOHNSON BROS. & PRINE 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			344.00	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 3, 1955 Operator JOHNSON BROS. & PRINE

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)

R. L. Palmer

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

RECEIVED
JUN 27 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

224 New Customhouse
Denver 2, Colorado

June 10, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region XII

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
Denver, Colorado

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: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-E657 (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 7 1955

RRB

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. DMA 5175
Contract No. Idm 2657 (Tungsten)

Continuing drift east on Hummer vein from cross cut on 235 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

jq

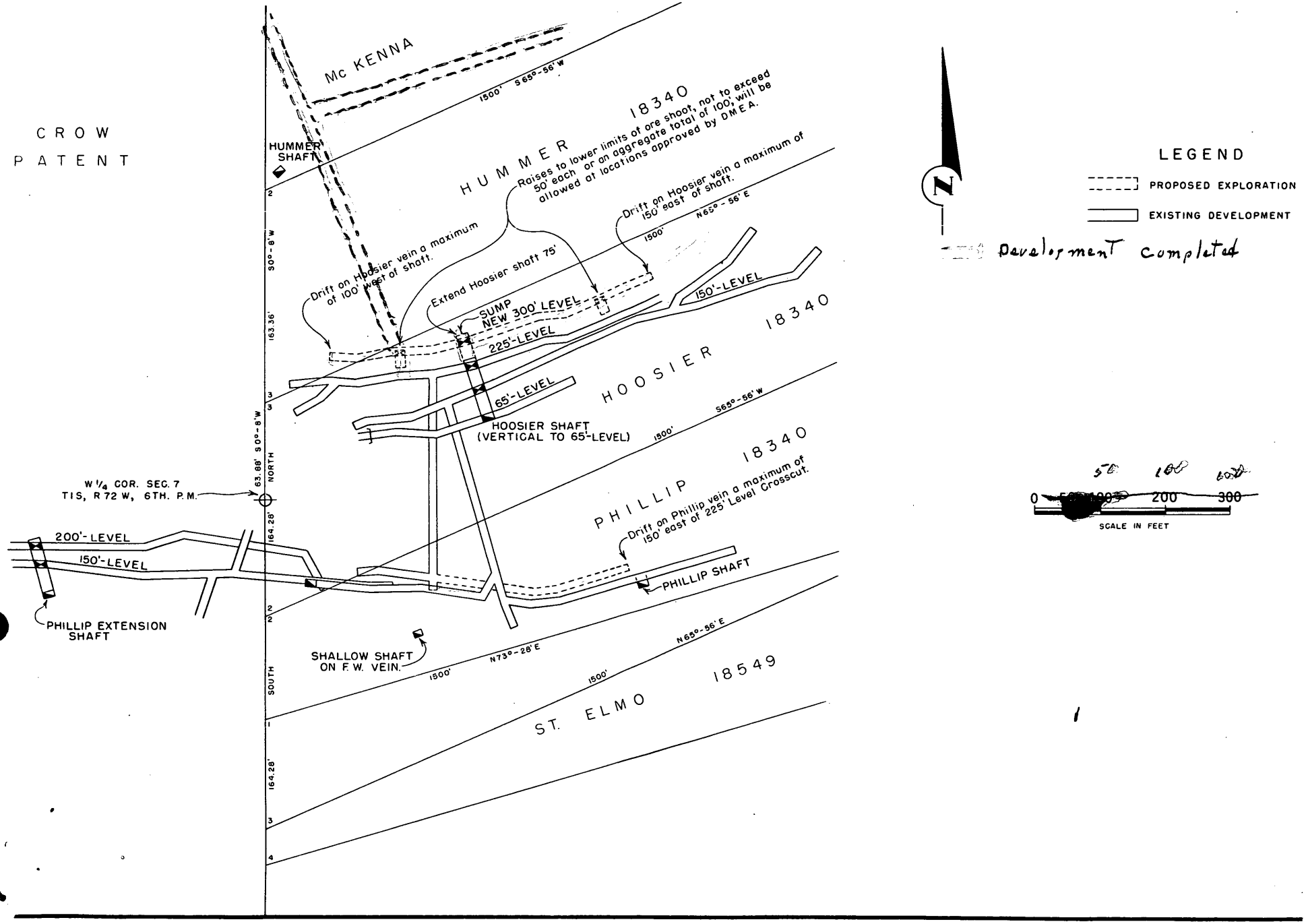

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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

RECEIVED
JUL 27 1955

224 New Customhouse
Denver 2, Colorado

July 25, 1955

Mr. J. L. Chambers, Chief
Contract Administration and Audit Division
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Chambers:

Reference is made to your letter of July 21, 1955 regarding difference of $60.00 on record of disbursements for month of June with those shown on Strategic and Critical Minerals Exploration Program Monthly Report for Region III.

With regard to the differences, following explanations are advanced:

E-657 Amount shown on MF-104 of $1,000.00 is the amount which was authorized to be paid; however, check for $1,200.00 was written, as the comment that $200.00 was to be withheld was overlooked. Operator has requested additional funds for more exploratory work which in all probability will be approved.

E-706 Amount shown on MF-104 or $1,260.00 is correct, reimbursement to the operator was for $1,000.00 as shown on report. Mrs. Stokes advises that check for $260.00 additional will be issued before end of this month.

I trust this explanation will enable you to make necessary adjustments on your records.

Very truly yours,

T. H. Brading
T. H. Brading
DMEA Auditor

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 22 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of March, 1955 Docket No. DMEA 3173 Contract No. Ida 3067
Operator's Name Johnson Bros. & Price Minerals Sunreton
Address Box 336, Federland, 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 Randell R. 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. E 567 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Berk.

Signature W. M. Jarvis 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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 22 1955

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

Month of March 1955 Docket No. DMEA 3175 Contract No. Ida 2567
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			6000.00	75	80.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1600.00	50	36144.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1600.00		36144.00				

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

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. Balmer

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.

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. (
Subject
Chron
Shaw

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DMEA
Date Rec'd.
APR 12 1955
BUREAU OF MINES
Denver, Colorado

Region III

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

RECEIVED
APR 22 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-8657 (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. Bolmer

R. L. Bolmer
Mining Engineer

cc 6
Idm-E657
Chron

RLB/em

Redcloud, 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 187
Denver, Colorado

Gentlemen:

Narrative report on Rossler mine for month of March 1955:

Johnson Bros. & Price (Operator)
Docket No. [illegible] 3173
Contract No. [illegible] 3687 (Tungsten)

Continuing drift west on Tungsten vein from crosscut on 200 ft. level of Rossler shaft, for a total distance of 180 feet on vein.

Formation: Pegmatite.

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

Yours truly,

Johnson Bros. & Price

Ralph Johnson

Ralph Johnson

tq

R.L.B.

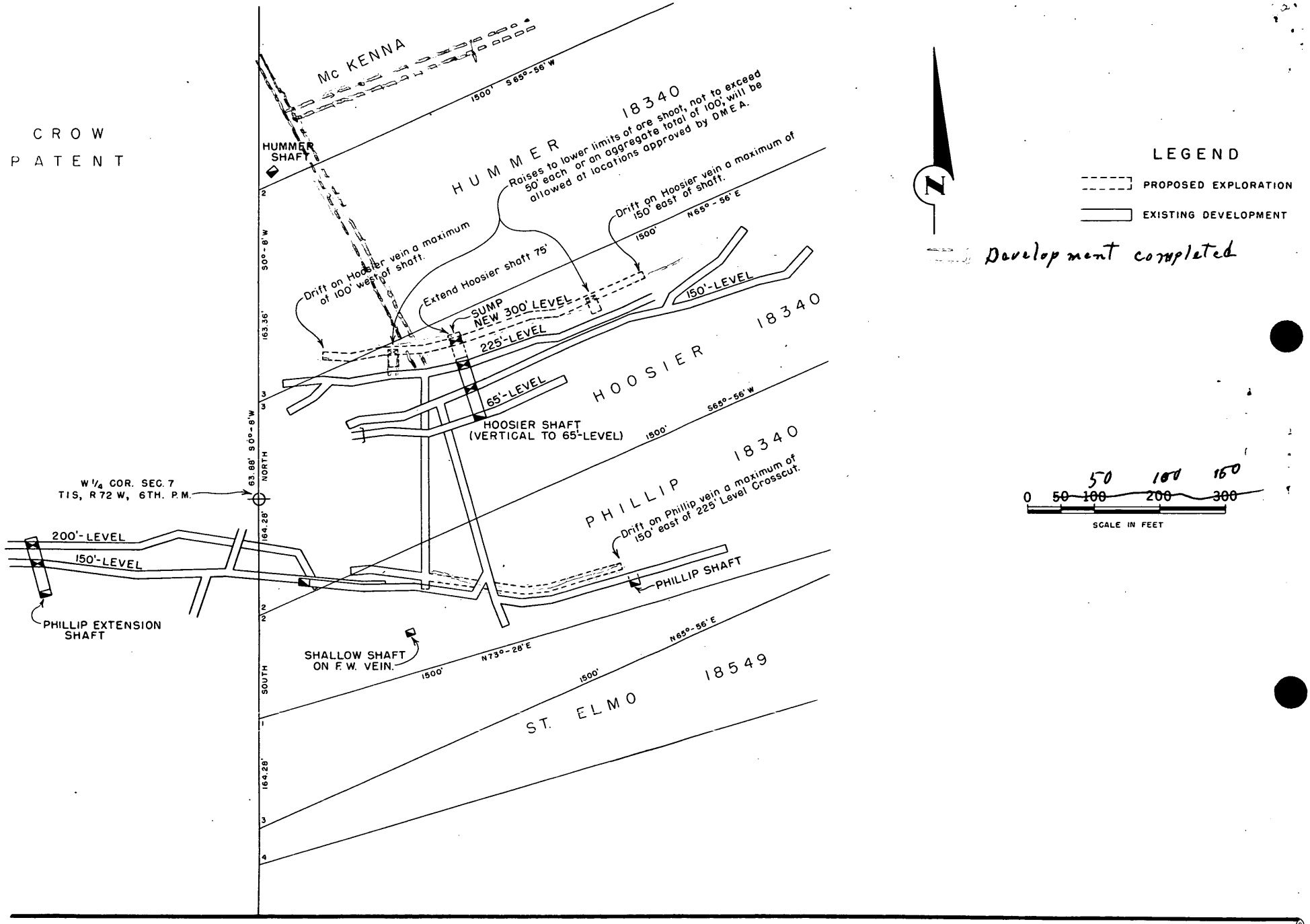

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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 February, 195[illegible] Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Johnson Bros. & Price Minerals [illegible]
Address P. O. Box 330 Kersland, Colo.
Contract Amount, $[illegible] Government Participation: 75 % Amount, $[illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing Sinking		[illegible]	[illegible]			
Crosscutting		9344.00	9344.00			
Drifting	1070.00	15715.00	17000.00			
Raises		1000.00	1000.00			
(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	[illegible]	[illegible]	[illegible]	1888.00	32656.00	34,544.00

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. & 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:

$1,416.00

Signature Randell R. Cooper
(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. Kramer 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

Form MF-104A
(April 1962)

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 173 Contract No. Idx-2667

Operator's Name Johnson Bros. & Price Minerals Tungsten

Address P.O. Box 330, 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.

Date March 2, 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)

INSTRUCTIONS

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

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

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

GPO 872894

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

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
Data Bank
MAR 8 1955
BUREAU OF MINES
Denver, Colorado

Region III

Building 20, Room 157
Denver Federal Center
Denver 2, Colorado
March 4, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: R. L. Balmer

Through: John F. Shaw

Subject: DMEA 317, Contract Idm-2057 (Tungsten) Johnson Brothers and Price (Hoosier mine) Boulder County, Colorado - Progress report for February 1955

The progress reported this period under the subject short-form contract--99 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 barn 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 60 feet from the crosscut, the structure narrowed, was less well defined, and contained little, if any, quartz and no ferberite. Beyond 60 feet and extending to the present breast, quartz and minor amounts of ferberite again were encountered along the vein.

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 $1,000.00 total costs reported on the operator's MF-134 forms for the period--equivalent to the completed 99 feet of drifting at the agreed-

upon unit price of $2.00 per foot--are approved. Reimbursement to the operator of 75 percent of the approved costs, or $1,410.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc 6
2657
DMEA Chron.

Nederland, Colorado
March 2, 1955

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

Gentlemen:

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

Johnson Bros. & Prime (Operator)
Docket No. DMEA 3173
Contract No. Idm-3057 (Tungsten)

Continuing drift ca at on Rumer 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

lq

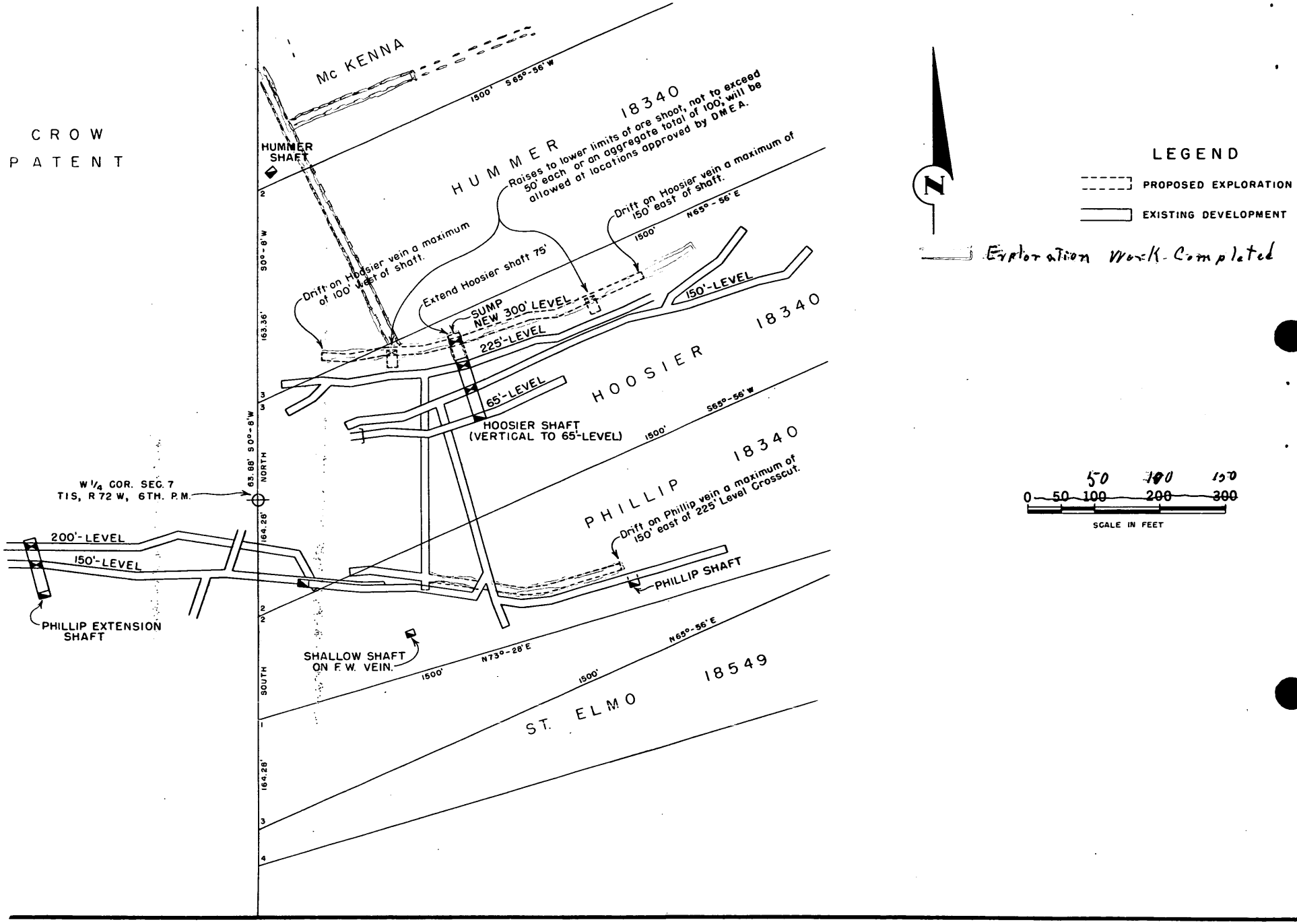

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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 3657
Operator's Name JOHNSON BROS. & PRIDE 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						
~~Building~~ Sinking		$6000.00	$6000.00			
Crosscutting	$1184.00	$160.00	9344.00			
Drifting	1376.00	14000.00	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	32656.00

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. & PRIDE

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 Randell C. 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. 6657 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. Traver 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

Form MF-104A
(April 1952)

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

RECEIVED
FEB 25 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of JANUARY 1955 Docket No. DMEA3173 Contract No. Idm 5657
Operator's Name JOHNSON BROS. & PRIEF 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	42	13776.00	401	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 COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		2560.00	78	32720.00				
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. 1, 1955 Operator JOHNSON BROS. & PRIEF

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

Berk

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION IV, [illegible]

Administrative Audit Difference Statement

[illegible] OF THE INTERIOR
[illegible]
[illegible]
FEB 25 1955

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

Dr. Ralph Johnson
P. O. Box 355
Federal, Colo.

Dear Dr. Johnson:

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

Amount Claimed	$ 2,000.00
Difference	$ 0.00
Amount Approved	$ 2,000.00

The reason for the difference was due to:

Claimed: 41 feet @ $32.00 per foot	1,312.00
Allowed: 41 feet @ $32.00 per foot	1,312.00
Error in computation	0.00

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

DMEA
Date Rec'd.
FEB 14 1955
BUREAU OF MINES
Denver, Colorado

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

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 5, 1958

RECEIVED
FEB 25 1958

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

Gentlemen:

Narrative report on Hoosier mine for month of January, 1958:

Johnson Bros. & Prime (Operator)
Docket No. DMMA 3173
Contract No. Idm 3657 (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 292 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

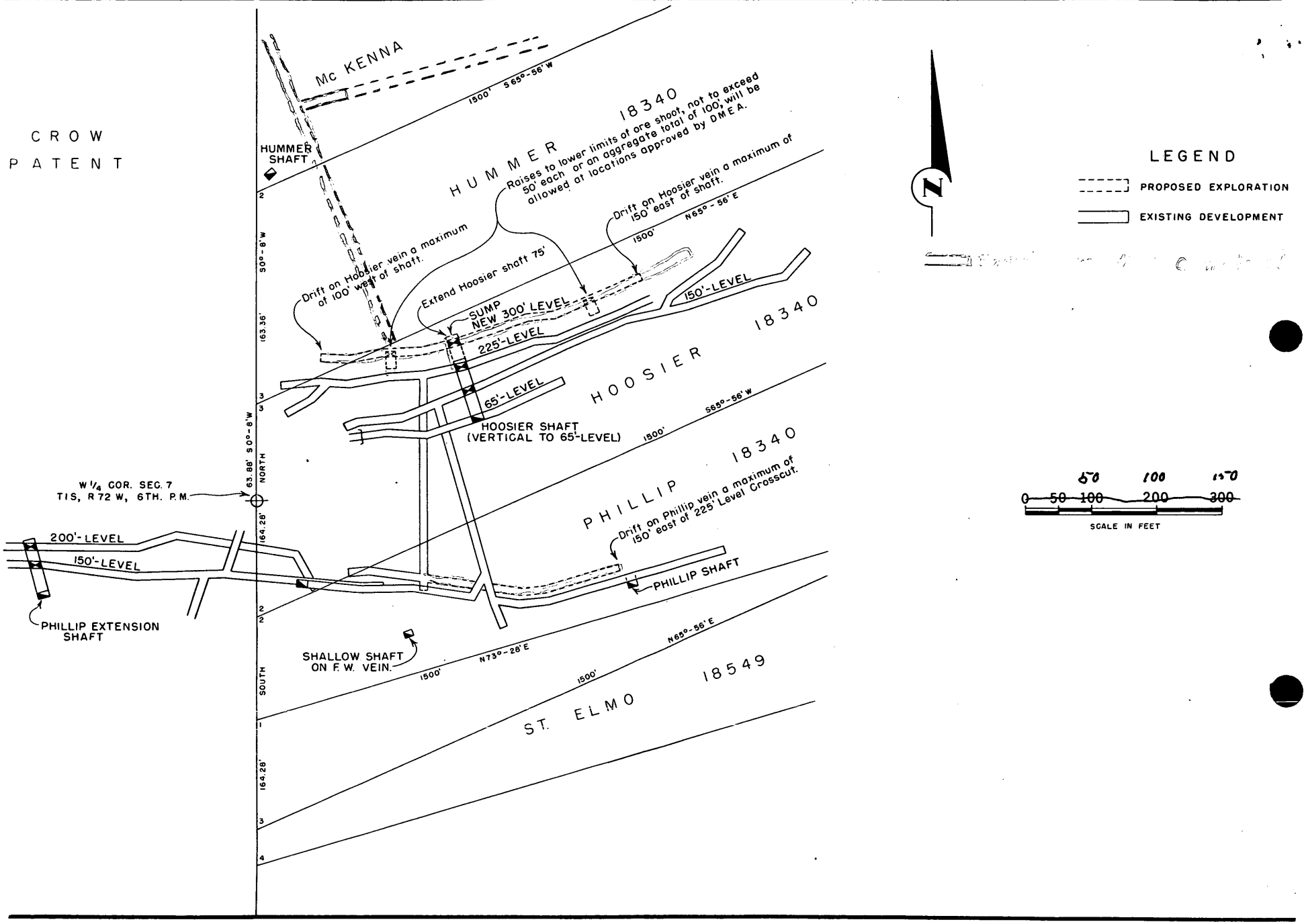

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

Form MF-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, 1954 Docket No. DMEA 3173 Contract No. [illegible]
Operator's Name Johnson Bros. & Prine 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			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		$ 6,000.00	$ 6,000.00			
Crosscutting	$3,560.00	4,600.00	8,160.00			
Drifting		14,400.00	14,400.00			
Raising		1,600.00	1,600.00			
(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	$3,560.00	$26,800.00	$30,160.00	3360.00	26,800.00	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. & Prine
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:

$ 2,520.00

Signature [illegible] (Authorized Certifying Officer)

Date 1-18-55 Vou. No. DMA-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. E657 in accordance with the terms of the contract.

Signature R. P. Bolmer, $2,520.00 Title Mining Engineer Date JAN 10 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

Signature W. H. King 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.

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 3173 Contract No. [illegible]
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336, Fairland, 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			24,160.00	150	32.00		
Crosscutting	Feet	3,360.00	105	8,160.00	255	32.00		
Raising	Feet			3,200.00	50	32.00		
Shafts	Feet			6,000.00	75	80.00		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3,360.00	105	30,160.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,360.00	105	30,160.00				

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 Jan. 3, 1955 Operator Johnson Bros. & Prime

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

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 Hummer 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 Hummer 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. D. 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: DMEA 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

Nederland, Colorado
January 2, 1954

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

Gentlemen:

Narrative report on Hoosier mine for month of December, 1953:

Johnson Bros. & Spring (Operator)
Docket No. XXW. 3173
Contract No. Ibn 5057 (Tungsten)

Driving crosscut north, 250 west from Hoosier vein on 225 ft. level, 105 ft. in Dec. 1953, for a total of ~~225~~ 255 ft.

Formation: Granite.
Cut small vein 232 ft. north of Hoosier vein consisting of black tour quartz, some ferberite ore.

Yours truly,

JOHNSON BROS. & SPRING

Ralph Johnson

Ralph Johnson

pc

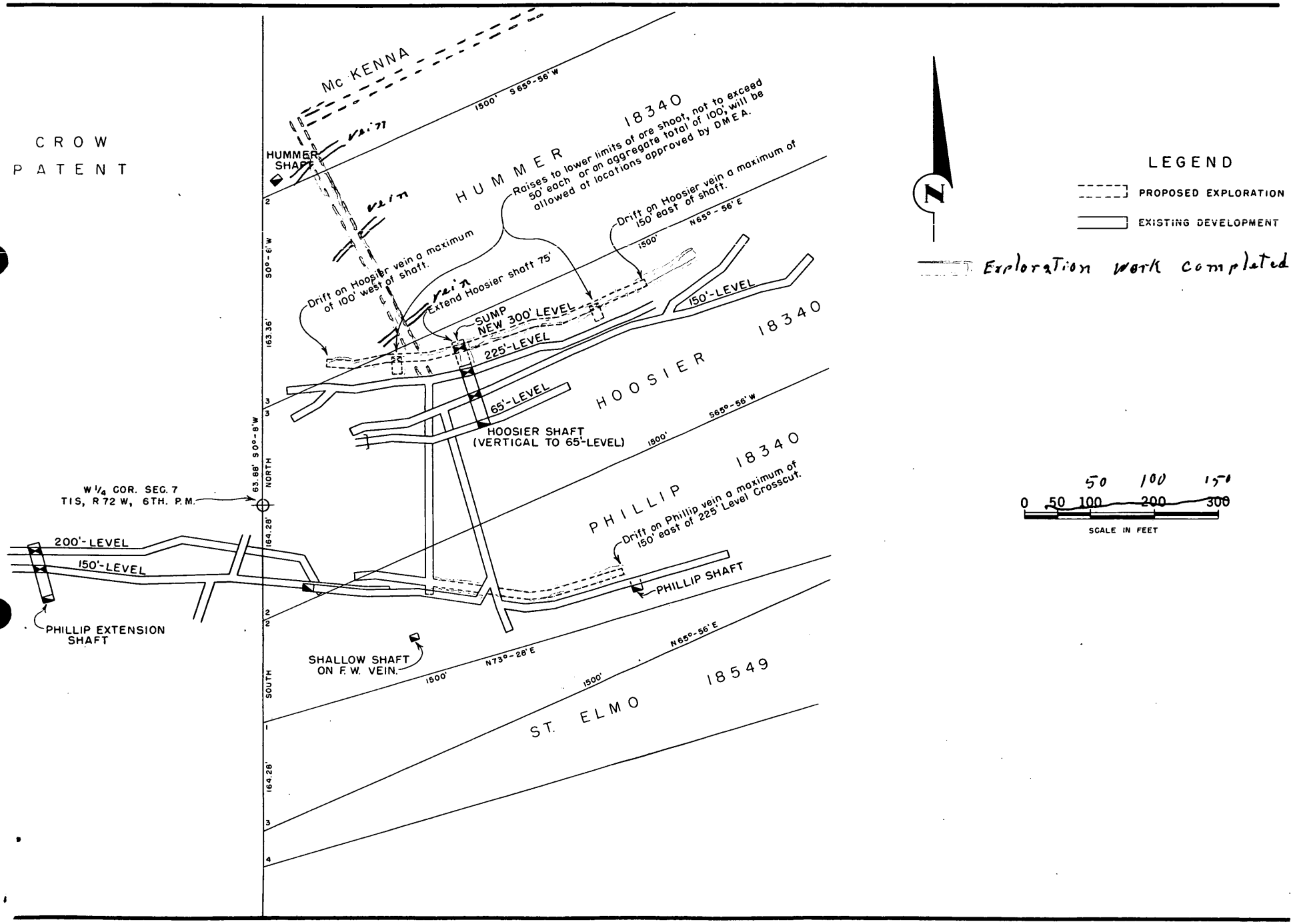

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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

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

DEPARTMENT OF THE INTERIOR
Minerals Form 9

RECEIVED
DEC 10 1955

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 [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $ [illegible] Government Participation: [illegible]% 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		[illegible]	[illegible]			
Bulldozing	[illegible]	[illegible]	[illegible]			
Crosscutting		[illegible]	[illegible]			
Drifting		2500.00	2500.00			
(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	[illegible]	[illegible]	[illegible]			

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

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:

$2400.00

Signature Russell L. Cooper
(Authorized Certifying Officer)

Date 12-17-54 Vou. No. DMA 55-41

(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. Bolmer, $2,400.00 Title Mining Engineer Date DEC - 8 1954

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

Signature W S Ring 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

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 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November, 1954 Docket No. DMEA 270 Contract No. [illegible]
Operator's Name Johnson Bros. & Sons Minerals [illegible]
Address P.O. Box 335, Woodland, 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			[illegible]	150	[illegible]	650	[illegible]
Crosscutting	Feet	[illegible]	100	[illegible]	150	32.00	300	32.00
Raising	Feet			2,640.00	50	52.80	50	52.00
Shafts	Feet			[illegible]	75	80.00	75	80.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		[illegible]	100	[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 Dec. 3, 1954 Operator Johnson Bros. & Sons

Per Adolph 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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 20 1954

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 10 1954

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 Hummer 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-2657 (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 Hammer 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 Hammer 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 horn 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 MW-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: 16
2657, Chron.

Underland, Colorado
December 3, 19[illegible]

U. S. Bureau of Mines
Denver Federal Center
Building 20, Room 337
Denver, Colorado

Gentlemen:

Inactive to date on the line for month of November, 19[illegible]:

Johnson Bros. Corporation (Operator)
Docket No. [illegible] 3173
Contract No. [illegible] (Duration)

Driving crosscut [illegible] ft. west of Cooper shaft on [illegible] ft. level, [illegible] feet of north [illegible] ft. for a total of [illegible] ft.
Formation: Granite.

Cutting one vein at [illegible] ft. north of Cooper vein, composition of vein quartz about [illegible] to [illegible] in width; considerable water in [illegible] no apparent values.

Also cutting across another vein [illegible] ft. north of Cooper vein about [illegible] to [illegible] in width consisting of black [illegible] and quartz veins.

Very truly,

Ralph L. Johnson

Ralph L. Johnson

[illegible]

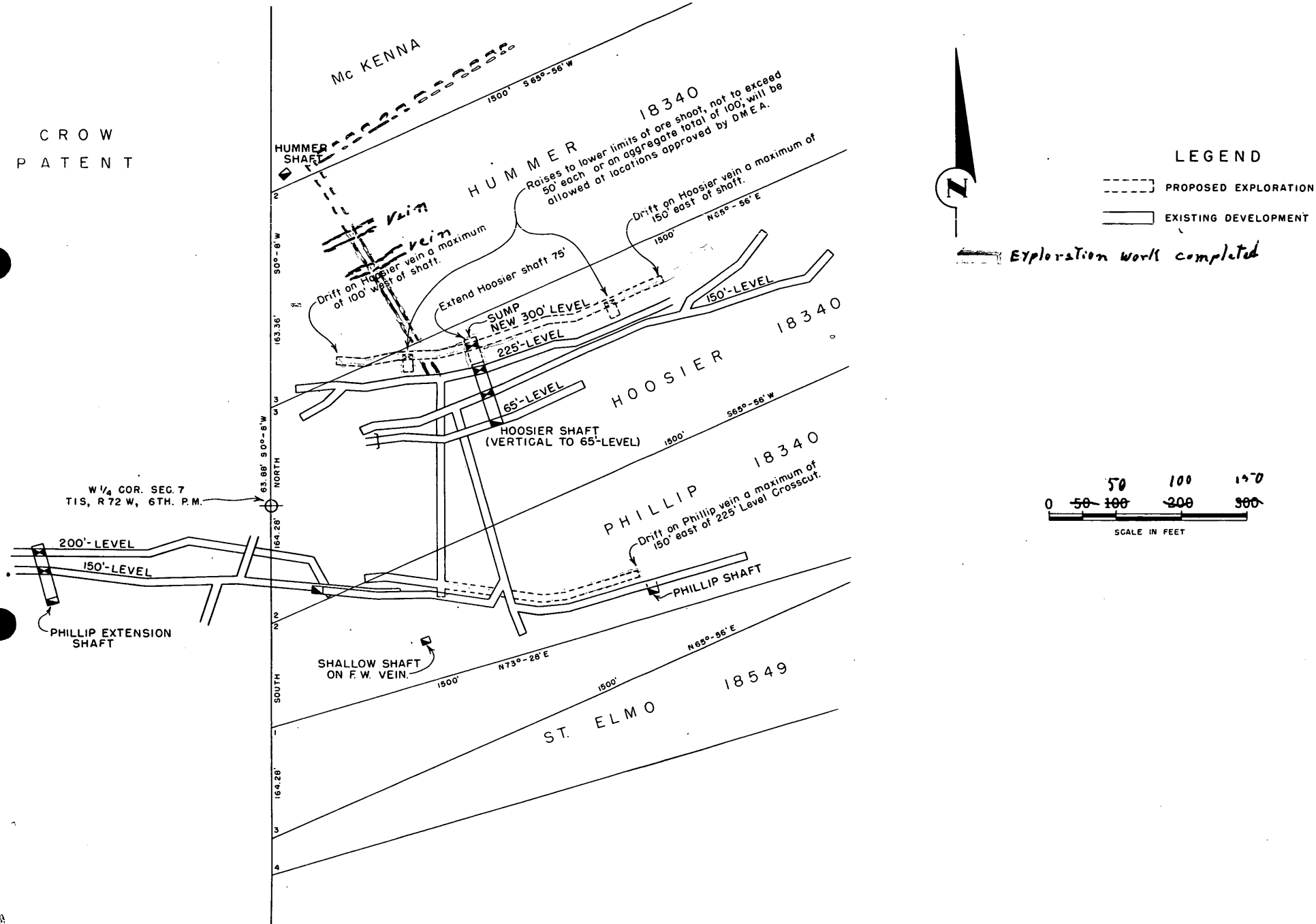

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

.04 (Rev.) 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 October, 1954 Docket No. DMEA 2173 Contract No. DMA 2557
Operator's Name Johnson Bros. & Price Minerals Tungsten
Address [illegible], 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	2600.00		2600.00			
Drifting		21000.00	21000.00			
~~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	$2600.00	29600.00	32200.00	1600.00	22000.00	23600.00

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

Date Nov. 4, 1954 *Payee Johnson Bros. & Price

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:

$1200.00

Signature Randell R. Cooper
(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. 8657 in accordance with the terms of the contract.

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

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

Signature for W. H. King 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

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 6 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1954 Docket No. DMEA 373 Contract No. [illegible]
Operator's Name Johnson Bros. & Parker Minerals Uranium
Address [illegible], 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	[illegible]			[illegible]	160	[illegible]	[illegible]	[illegible]
Crosscutting	[illegible]	[illegible]	50	[illegible]	50	[illegible]	[illegible]	[illegible]
Raising	[illegible]			[illegible]	50	[illegible]	50	[illegible]
Shafts	[illegible]			[illegible]	25	[illegible]	25	[illegible]
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		[illegible]	50	[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 Nov. 1, 1954 Operator Johnson Bros. & Parker

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

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
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 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 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. 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 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-E657 (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
E657
DMEA Chron.

RLB/pem

Nederland, Colorado
November 4, 1954

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

Gentlemen:

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

Johnson Bros. & Prime (Operator)
Docket No. [illegible] 3173
Contract No. Lim [illegible]57 (Tungsten)

Nov. 18, 1954

Starting on additional work on previous contract: at a point 25 feet west of Hoosier shaft on 225 ft. level, and driving crosscut a distance of 50 ft. in a Northwesterly direction.

Formation:
Granite: crossing two small quartz veinlets at approximately 20 feet from main Hoosier vein.

Respectfully,

JOHNSON BROS. & PRIME

Ralph L. Johnson

Ralph. L. Johnson

gc

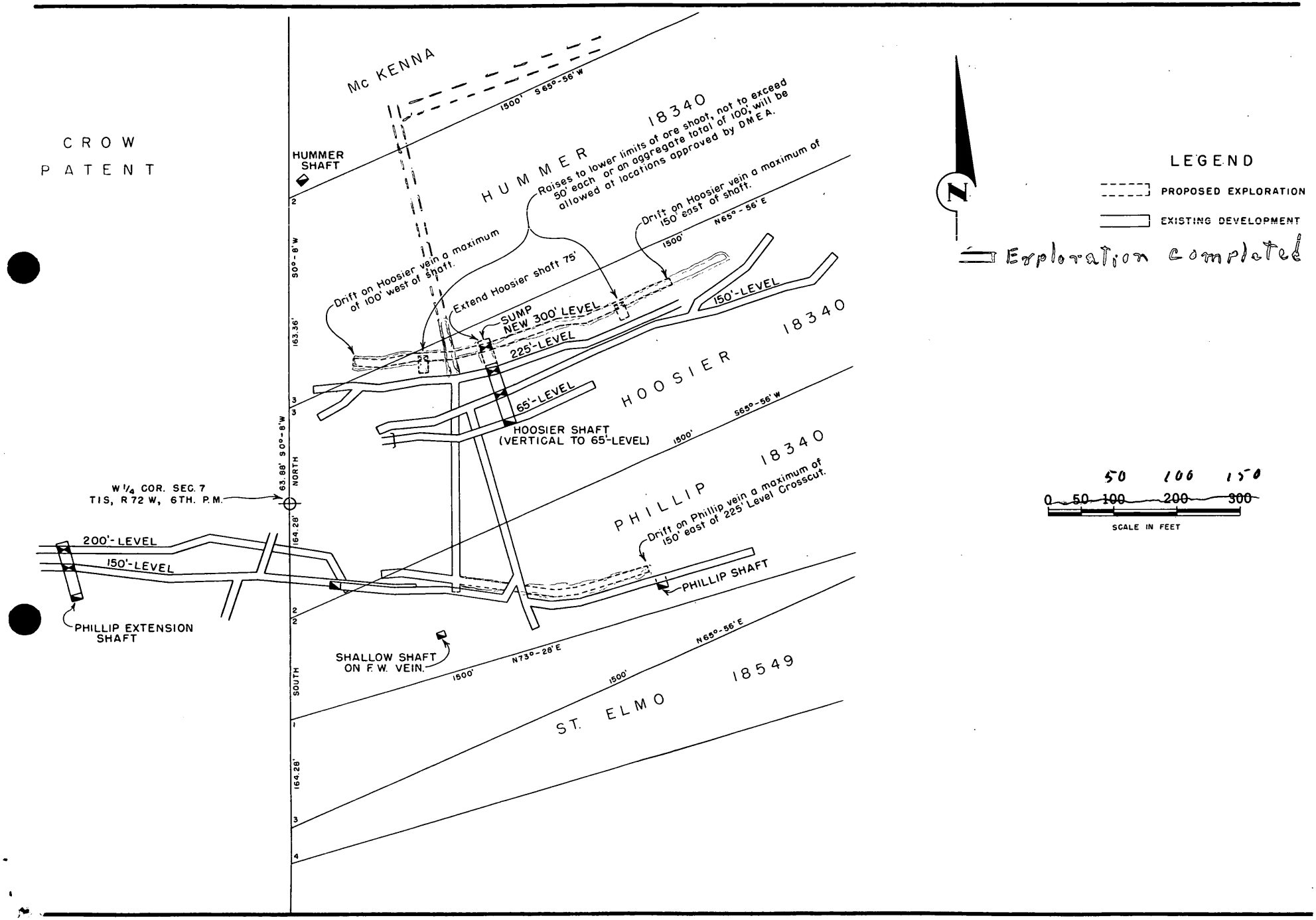

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
OCT 28 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1954 Docket No. DMEA 373 Contract No. Con. 2657
Operator's Name Johnson Bros. & Prino Minerals Tungsten
Address R.R. 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~~ Dinising		3000.00	3000.00			
Drifting	1056.00	1284.00	1440.00			
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	1056.00	20,284.00	22,040.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Oct. 3, 1954 *Payee Johnson Bros. & Prino

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:

$1392.00

Signature Randell R. Cooper
(Authorized Certifying Officer)

Date 10/22/54 Vou. No. DMA VJ-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. Palmer, $1,392.00 Title Mining Engineer Date OCT - 6 1954

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

Signature W. H. King 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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1954 Docket No. DMEA 3173 Contract No. Ion 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	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet	1,856.00	58	14,400.00	450	32.00	450	32.00
Crosscutting								
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		1,856.00	58	22,000.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,856.00		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. 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

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
W. H. King

Enclosures

RDB:dm

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

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1954

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. A. Everett, for
R. L. Bolmer
Mining Engineer

RLB/ici

cc: 16 E657 DMEA Chron.

Nederland, Colorado
October 5, 1954

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

Gentlemen:

Narrative report on Hoosier Mine for month of September, 1954.

Johnson Bros. & Mine (Operator)
Docket No. XIX 3173
Contract No. Ith 1557 (Tungsten)

Starting at a point 92 feet east of south end of cross-cut on 225 foot level of Hoosier mine and driving drift an additional 58 feet east on Million vein for a total of 150 feet.

Formation:
Granite for first few feet changing back to schist. Vein tight and showing no values.

Respectfully,

JOHNSON BROS. & MINE

Ralph L. Johnson
Ralph L Johnson

rc

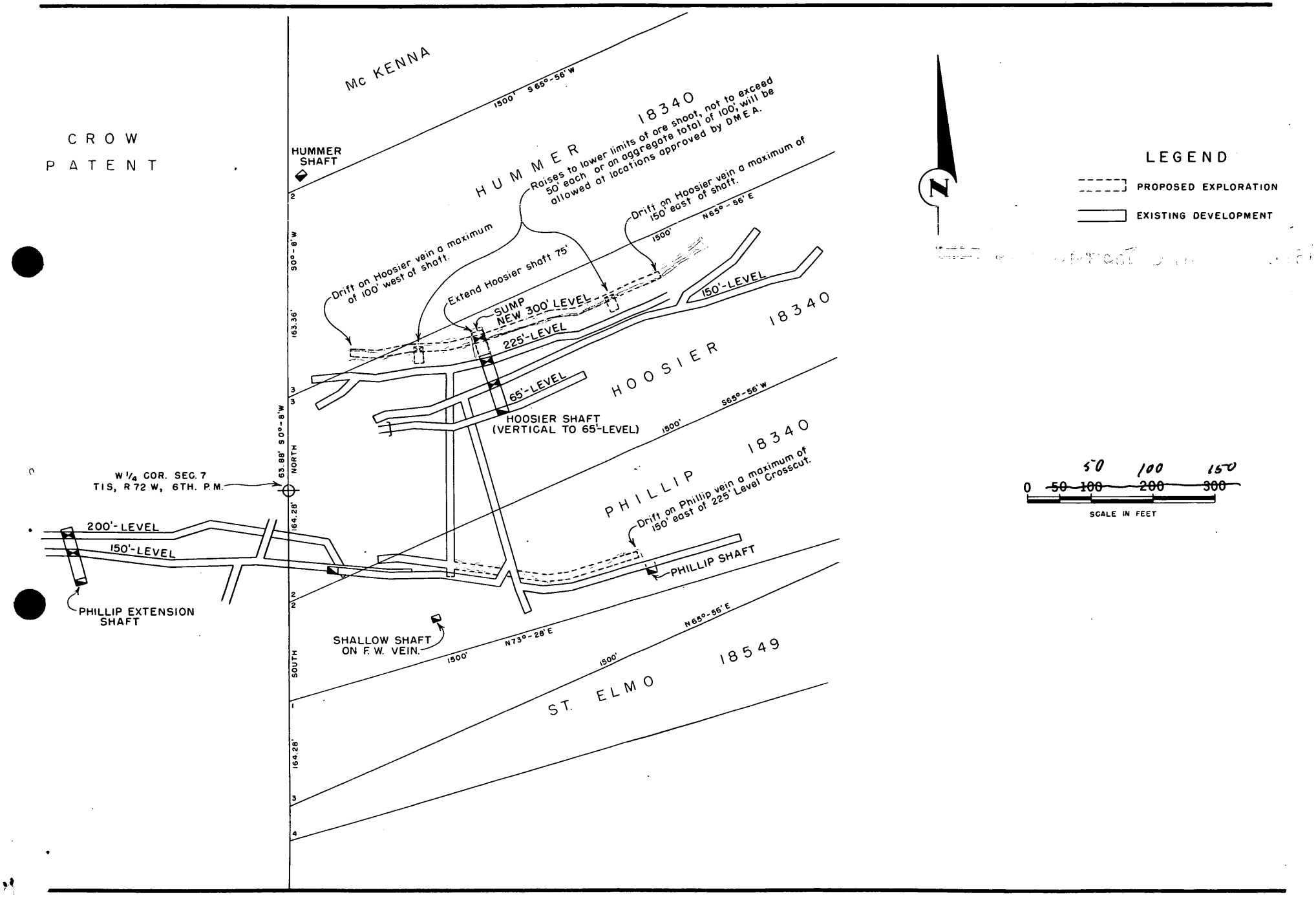

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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
SEP 27 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1954 Docket No. DMEA 3173 Contract No. Ion. 0657
Operator's Name Johnson Bros. & Prino Minerals Tungsten
Address Box 335, Idaho Springs, 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~~ Sinking		3 6000.00	3 6000.00			
Drifting	2944.00	9500.00	12544.00			
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	2944.00	17,200.00	20,144.00	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, 1954 *Payee Johnson Bros. & Prino
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:

$ 2,208.00

Signature Randell R Cooper
(Authorized Certifying Officer)

Date 9-17-54 Vou. No. DMA55-22
(See other side)

Copied for other cy of 104

(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, $2208.00 Title Mining Engr. Date SEP 10 1954

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

Signature L. B. Shaw for W. H. King Title 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

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 27 1954

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

Month of August 1954 Docket No. DMEA 3173 Contract No. Idn. 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	$2944.00	92	$12,544.00	392	$32.00	450	$32.00
Crosscutting								
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		$2944.00		$20,144.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$2944.00		$20,144.00				

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

Date Sept. 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

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

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
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

R. L. Bolmer
Mining Engineer

RLB/ici

cc: 16
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. Idm. 8557 (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:pc

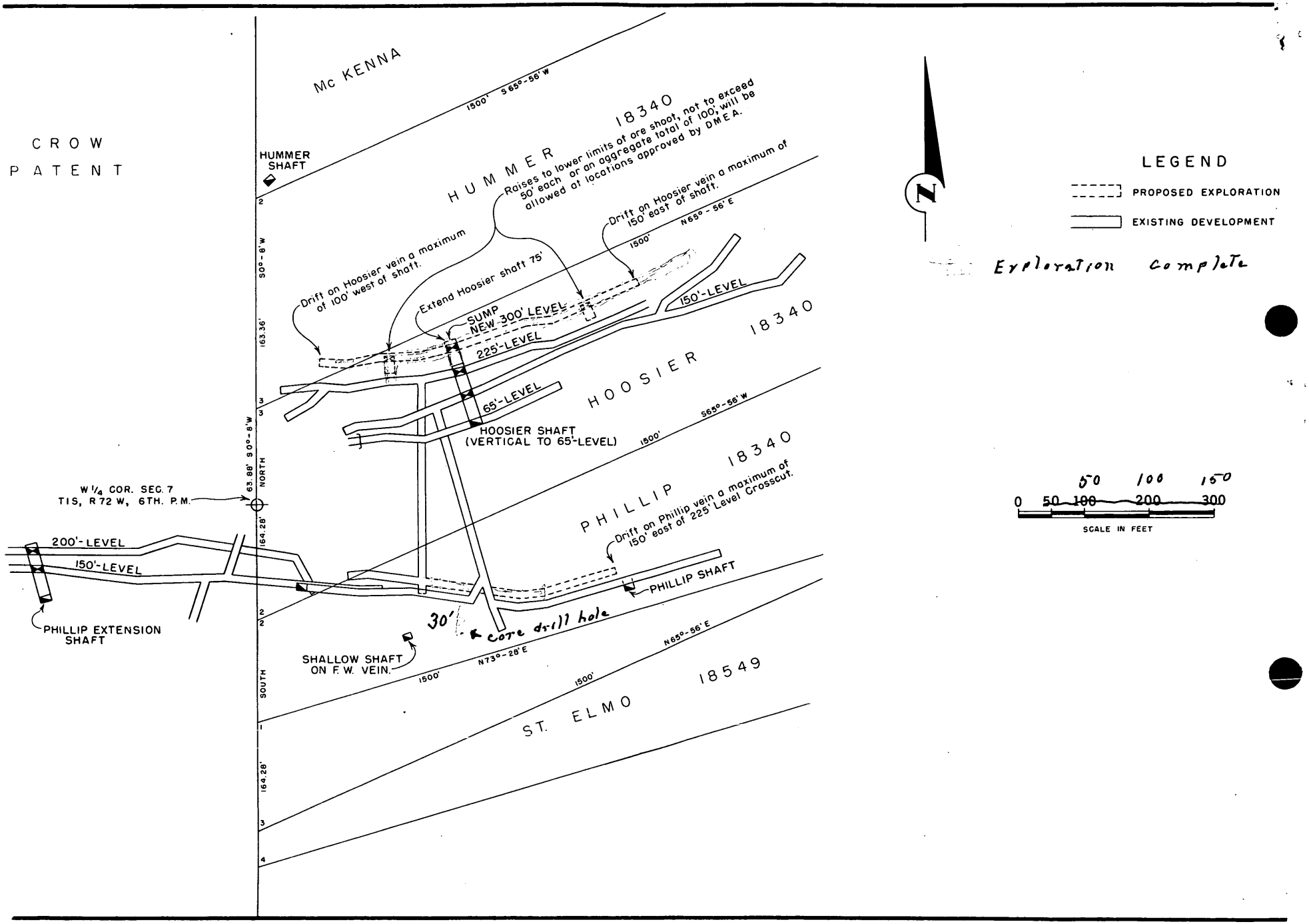

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

Form M[redacted] Rev.)
([illegible])

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

UNITED STATES
DEPA[redacted]MENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1954 Docket No. DMEA 3173 Contract No. Idn. E657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 336, Nederland, Colorado
Contract Amount, $22000.00 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		$ 6,000.00	$ 6,000.00			
Drifting	$1,920.00	7,680.00	9,600.00			
Raising		1,600.00	1,600.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$1,920.00	$15,280.00	$17,200.00			

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. & 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)

RECEIVED
AUG 25 1954
Defense Minerals Administration

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)

(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 L. 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.

GPO 83-38476

Form [illegible]104A
(April [illegible])

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 3173 Contract No. Exp. 8657
Operator's Name Johnson Bros. & Prime Minerals Tungsten
Address P.O. Box 396, 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	Foot	$1,920.00	60	$ 9,600.00	300	$32.00	450	$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. & 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)

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

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)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1954

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: DMEA 3173, Contract Idm-E657 (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. Crane
R. L. Bolmer
Mining Engineer

RLB/ici

cc: -6 E657 Chron.

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

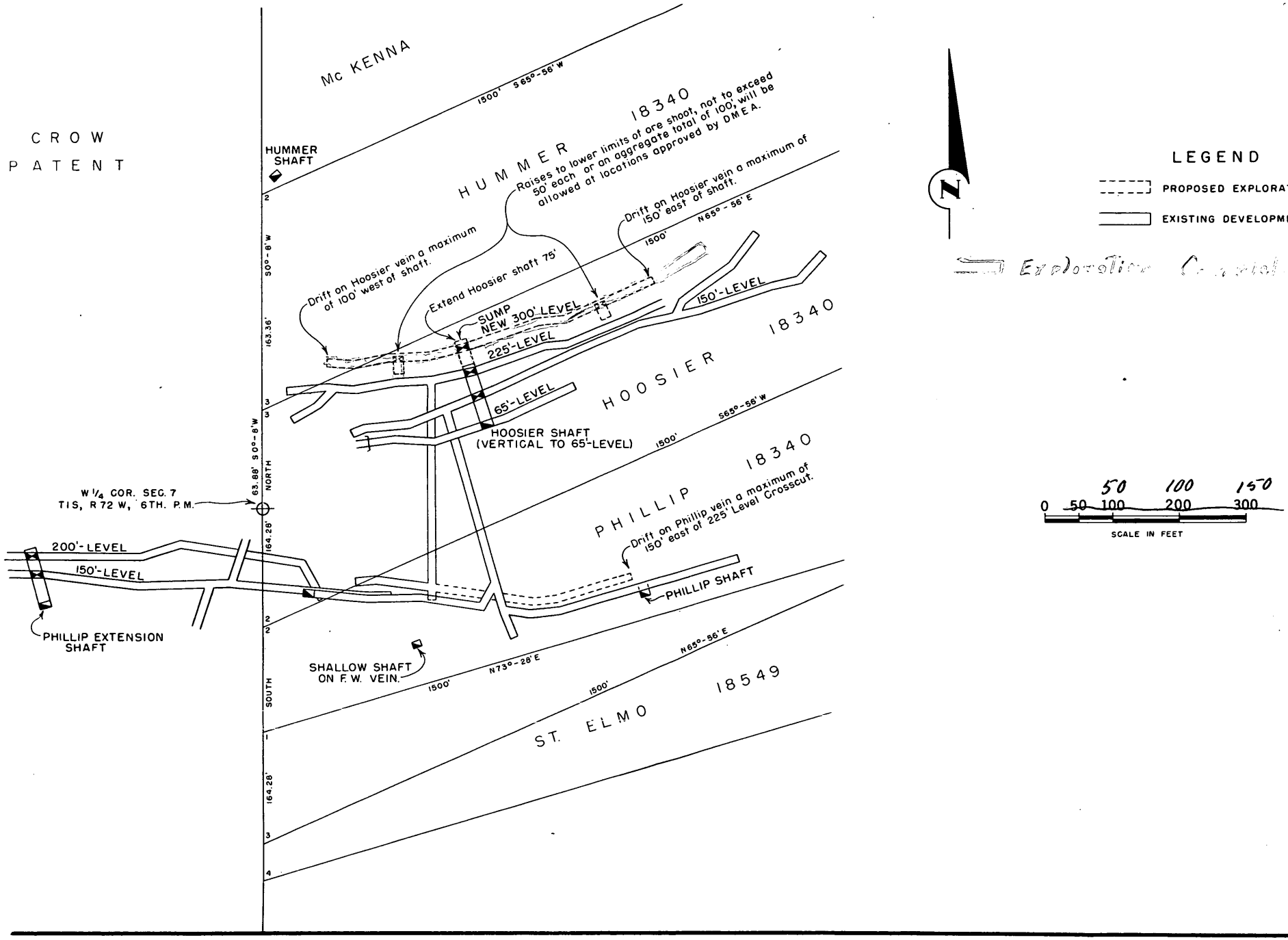

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

Form MF-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 June, 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~~ Sinking		$6000.00	$6000.00			
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	10,768.00	15,280.00

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. DMA 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: R.D.B.

Signature W H Kling 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

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. 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	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

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

Enclosures

RDB:cwm

cc: Contract
WMTraver
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 ceritifed 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
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 east 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

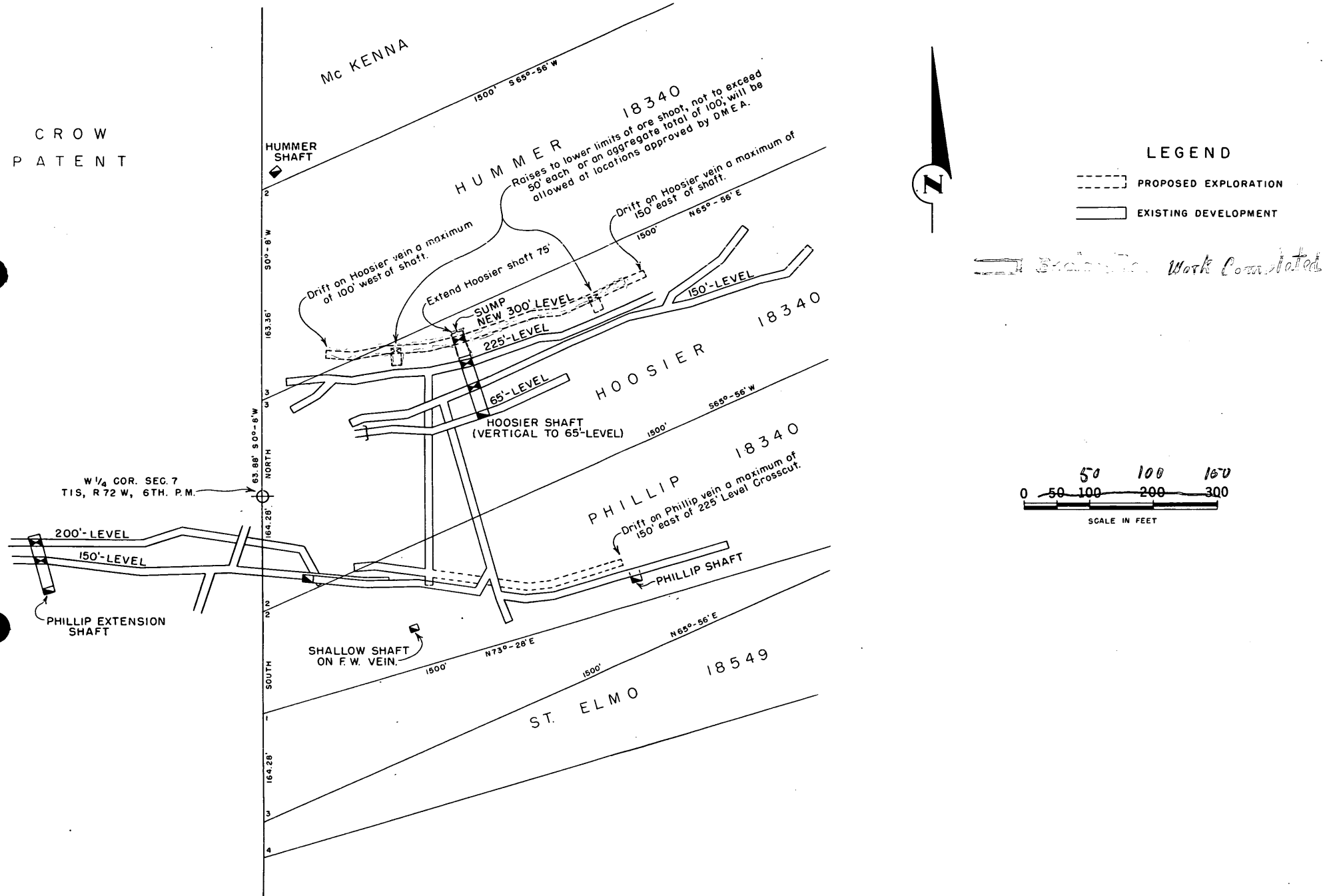

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

Form MF-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
JUN 21 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

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
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 [illegible]
(Authorized Certifying Officer)

Date 6/15/54 Voucher DMA 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: R. D. B.

Signature W. H. 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 21 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 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	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.

REMARKS:

Date June 3, '54 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.

(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

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 & Prine (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

HLB/kp

cc 6
E657
Chron

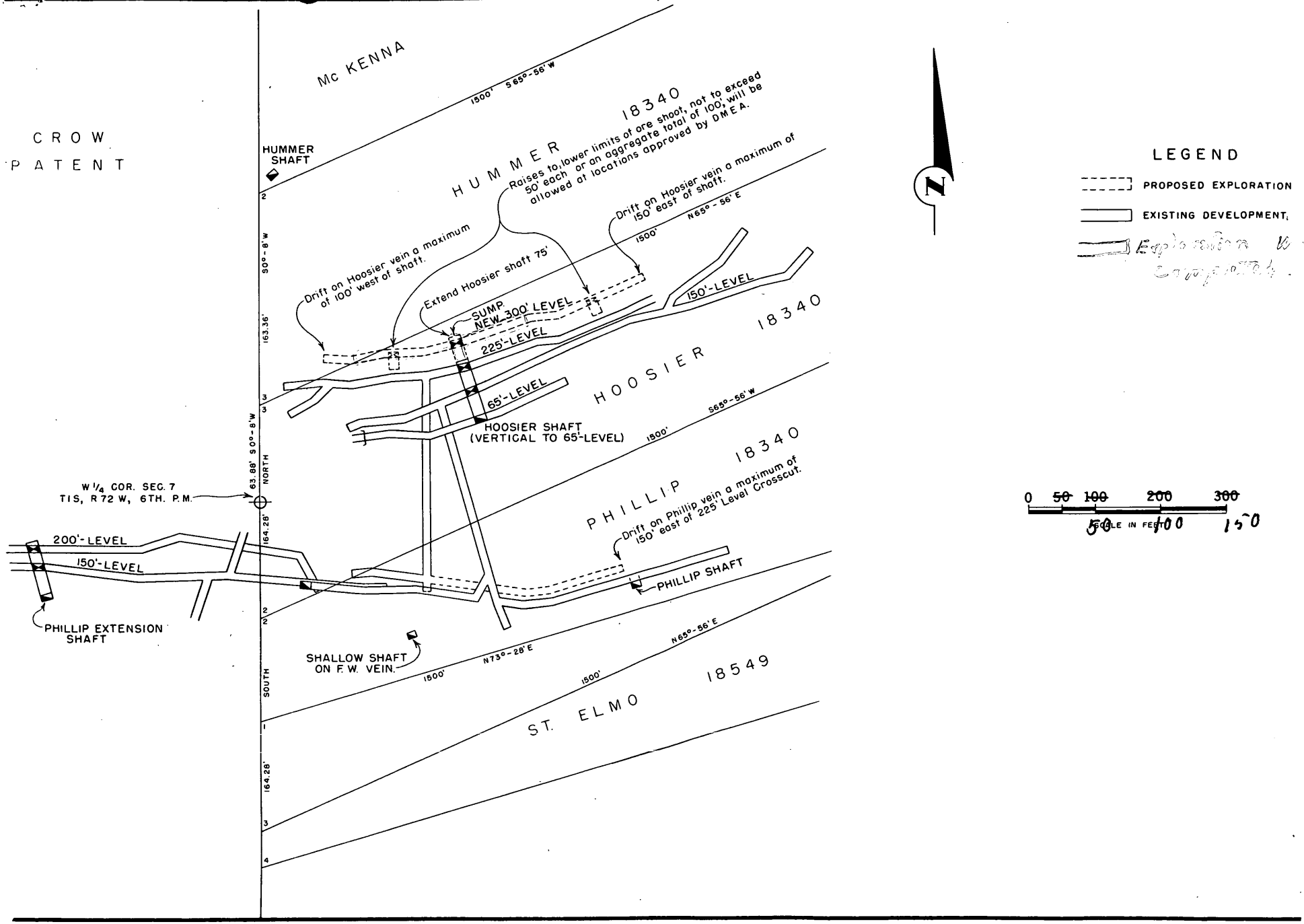

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

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.

MAY 14 1954

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:

$2022.00

Signature [illegible] (Authorized Certifying Officer)

Date 5/11/54 Voucher 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. E 657 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R. DB!

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

Form MF-194A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration
OFFICE
MAY 14 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

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

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	$736.00	23	$736.00	23	$32.00	400	$32.00
Crosscutting	feet						100	32.00
Raising	feet	1960.00	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		$2696.00		$6736.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$2696.00		$6736.00				$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

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 E. 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. Bolner

Subject: DMRA 3173, Contract I4m-E657 (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 58.5 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 MP-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

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

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 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:

$ 2120.00

Signature [illegible]
(Authorized Certifying Officer)

Date 4/11/54 Vou. No. DMA 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. DB.

Signature W S 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

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	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

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

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-E657, 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

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/ici

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 quartz. 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/ici

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-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 February 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: 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 Voucher No. DMA 54-97

(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. Bolmer, $900.00 WMT Title Mining Engineer Date MAR - 8 1954

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

Signature W H King 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

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

RECEIVED MAR 29 1954

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	$120000	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

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

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

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-B657 (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
B657
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. Correspondence to Johnson Brothers & Prime will be received at the above address.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/kp

cc: 6
M57
Chron

Nederland, Colorado
March 2, 1954

United States
Department of the Interior
DMEA Regional Office
224 New Customhouse Building
Denver 2, Colorado

Narrative Report on Hoosier mine for month of February, 1954:

Johnson Bros. & Prime, Operator
Docket No. DMEA 3173
Contract No. Icm 2657
Tungsten

We cleaned out present sump which extended 17' 6" below 285 ft. level; and commenced sinking on contract Feb. 15, 1954.

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 16 feet of sinking by Feb. 28, 1954.

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

JOHNSON BROS. & PRIME
Nederland, Colorado

Ralph L. Johnson
Ralph L Johnson

pc

JAN 21 1964

Johnson Brothers & Prime
300 Great Avenue
Louisville, Colorado

Re: DMEA-3173 (Tungsten)
Johnson Brothers & Prime
Boosier Mine
Boulder County, Colorado
Contract Ida-E657

Gentlemen:

Thank you for returning the completed Form 63's mailed to you on January 2, 1964.

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated March 12, 1956, all minerals mined or produced from January 18, 1954, to January 18, 1964, were subject to the Government's royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

George Fumich, Jr.

ACTING Director

MMarrithew/mm (1/18/64)
cc: Cold Spring Tungsten, Inc., 1036 First National Bank Bldg., Denver 2, Colo.
Director's Reading File
✓CA&A Division
Region XXI w/cy of Form 63 dated 1/2/64
Docket
Code 500

CERTIFICATION BY THE UNITED STATES OF AMERICA OF A DISCOVERY OR DEVELOPMENT UNDER AN EXPLORATION PROJECT CONTRACT

To: Johnson Brothers and Prime
500 Grand Avenue
Louisville, Colorado

Pursuant to the provisions of Exploration Project Contract No. Idm-E657, dated January 18, 1954, as amended (Docket No. DMEA-3173), hereinafter called the "contract," between Johnson Brothers and Prime, a partnership, and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that a discovery or development from which production may be made has resulted from the exploration work.

The nature of said development or discovery is described broadly or indicated as follows:

Tungsten occurs in the form of ferberite ($FeWO_4$) in ore shoots along the Hoosier, Phillips, and Hummer veins. The ore shoots are composed chiefly of vuggy, medium-grained ferberite associated with horn quartz that forms the matrix of the brecciated vein material within granite walls.

Sinking, drifting, raising, and crosscutting have indicated a minable tonnage of tungsten ore, mainly on the Hummer vein.

THE UNITED STATES OF AMERICA

Dated: MAR 1 2 1958 By C. Mitchell

Administrator, Defense Minerals Exploration Administration

Copy to:
Docket
Code 400
Code 110
Code 800
T, Region 3
m. Read. File
r. Committee
Kiilsgaard, USGS

Copy to:
Hetzer Mines, Inc.
C. A. Fredell, Act.Dir., Mater.Div., EPS, GSA
R. W. Geehan, USBM
R. W. Holliday, USBM
Finance Officer

an/ls 2/28/56

MAR 13 1956

Mr. Ralph Johnson
Johnson Brothers and Prime
500 Grand Avenue
Louisville, Colorado

Re: Docket No. DMEA 3173 - Tungsten
Hoosier Mine
Boulder County, Colorado
Contract No. Km-657

Dear Mr. Johnson:

Transmitted herewith is a certification of discovery or development issued under the subject contract which was executed January 18, 1954.

By the terms of the exploration project contract and of the certification, all production from the land described in the contract and any production from the Crow claim that is transported or extracted through any workings described in exhibit "A" of the Contract is subject to the Government's percentage royalty as set forth in the contract until the sum of $28,300.00 (subject to audit) is paid or until January 18, 1964, whichever occurs first. Royalty payments should be made as heretofore.

You are requested to notify Mr. Trever of any changes in ownership or production rights that might have any effect on the Government's right to its percentage royalty. Also, if production ceases at any time for an extended period, please notify Mr. Trever at 6-month intervals that no production has been made, when that is the case.

Sincerely yours,

G. O. Mittendorf

Administrator

TLChapman/fcc 3/5/56
cc to: Docket
Code 400
Adm. Read. File
Code 300 - Mr. Chambers
Code 110 - Mr. Johnson
Oper. Comm.
Enclosure T. Kiilsgaard, USGS

R. W. Geehan, USBM
R. W. Holliday, USBM
Hetzer Mines, Inc.
C. A. Fredell, BPS, GSA
Ft. RHG. 3

MAR 13 1956

Batzer Mines, Inc.
P. O. Box 150
Boulder, Colorado

Re: Docket No. DMEA 3173 - Tungsten
Johnson Brothers and Prime
Rhoadar Mine
Boulder County, Colorado
Contract No. Idm-1657

Gentlemen:

Transmitted herewith for your information is a copy of the certification of discovery or development issued as a result of the exploration program under the above-referenced contract. The property as set forth in the contract was leased to Ralph L. Johnson, Roy W. Johnson, and George A. Prime, a partnership, on September 1, 1953, with an amendment dated February 15, 1954, increasing the time to ten years, and a second amendment dated June 17, 1954, adding the McNamee lode to the original lease, and is the same property referred to in the Owner's Consent to Lien, dated September 28, 1954.

By the terms of the exploration project contract and of the certification, all production from the land described in the contract and any production from the Crow claim that is transported or extracted through any workings described in Exhibit "A" of the Contract is subject to the Government's percentage royalty as set forth in the contract until the sum of $28,305.00 (subject to audit) is paid or until January 18, 1964, whichever occurs first.

TLChapman/fcc 3/7/56
cc to: Docket
Code 400
Adm. Read. File
Oper. Comm.
Code 800 - Mr. Chambers
Code 110 - Mr. Johnson
FT. REG. III

Sincerely yours,

G. O. Mitendorf

Administrator

Enclosure

R. W. Geehan, USBM
R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

400

MAR 13 1956

Mr. W. M. Trower, Executive Officer
DMEA Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 3173 - Tungsten
Johnson Brothers and Prima
Hoosier Mine
Boulder County, Colorado
Contract No. Ida-657

Dear Mr. Trower:

Enclosed are copies of a certification of discovery or development for the above noted property and of related correspondence.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosure

TLChapman/fcc 2/27/56
cc to: Docket
Code 400
Code 110 - Mr. Johnson
Code 800 - Mr. Chambers
Admr. Read. File
Operating Comm.
FT. REG. III
Messrs. Geehan, USBM
Halliday, USBM
Kiilsgaard, USGS

APPROVED:

/s/ Robert W. Geehan
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

MAR 13 1956

Mr. Clarence A. Fredell, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration
Washington 25, D. C.

Re: Docket No. DMEA 3173 - Tungsten
Johnson Brothers and Prine
Hoosier Mine
Boulder County, Colorado
Contract No. Ida-8657

Dear Mr. Fredell:

Enclosed is a copy of a certification of discovery or development issued under the subject contract.

When we receive the final reports, we shall supply such data as have accompanied the transmittal to the Materials Division, Emergency Procurement Service, of previous certifications.

Sincerely yours,

G. C. Mittendorf

Administrator

Enclosure TLChapman/foc 2/27/56
cc to: Docket
Code 400
Code 800 - Mr. Chambers
Code 110 - Mr. Johnson
Admr. Read. File
Operating Comm.
FT. REG. III
Messrs. Geehan, USBM
Holliday, USBM
Killsgaard, USGS

NOV 23 1956

Mr. Clarence A. Fredell
Acting Director
Technical Services Division
Defense Materials Service
General Services Administration
7th and D Streets, S. W.
Washington 25, D. C.

Re: Docket No. DMM 3173 - Tungsten
Johnson Brothers and Prime
Hoosier Mine
Boulder County, Colorado
Contract No. Ids-3657

Dear Mr. Fredell:

Reference is made to our letter of March 13, 1956, which transmitted a copy of a certification of discovery or development issued under the subject contract, and stated that when final reports were received we would supply such data as have accompanied your copies of previous certifications. Such final reports have been received, and we can now supply the following data on the subject contract:

Contract No. Ids-3657 for the exploration of the Hoosier mine tungsten deposits was executed January 18, 1954. Expenditures up to $38,000.00 were authorized by the contract as amended, of which the Government's share at 75 percent was $28,500.00. The cost of the work completed was $37,744.00, of which the Government's share was $28,308.00.

The object of the exploration program was to test the possible tungsten occurrences in ore shoots along the Hoosier, Phillips, and Hammer quartz veins, which occur within walls of granitic rocks in the Hoosier mine. The program employed shaft sinking, drifting, crosscutting, and raising along and within the veins to explore the mineralized zones.

The contract as amended allowed shaft sinking 75 feet; drifting and crosscutting 950 feet; and raising 50 feet.

Work completed comprised all the allowable shaft sinking and raising, and 942 feet of drifting and crosscutting.

Tungsten ore discovered, mainly on the Hammer vein, by project work was estimated by the Field Team as about 4,000 tons of ore, containing 4,000 short-ton units of tungsten trioxide (WO_3).

Sincerely yours,

J. O. [illegible]

Administrator

cc to: Mr. Fr. Hmd. III

cc to: MERRITT
Admr. Read. File
Oper. Comm.
Messrs. F. D. Lamb, USBM
E. W. Holliday, USBM
E. R. Killsgard, USGS

SPBolt:am 11-21-56
cc to: Docket
Code 110
Code 400
Code 800

FEB 20 1956

Mr. Ralph Johnson
Johnson Brothers and Prime
500 Grand Avenue
Louisville, Colorado

Re: Docket No. DMEA 3173 - Tungsten
Hoosier Mine
Boulder County, Colorado
Contract No. Idm-165

Dear Mr. Johnson:

Your application for an amendment allowing additional work under the subject contract and other information available to us in Washington have been carefully reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, based in part on the results of the work completed to date, indicates to us that further Government participation to explore the ore shoot found on the 225-foot level on the Hummer vein to greater depth is not warranted. We regret to advise you, under these circumstances, that your application for additional exploration assistance under the referenced contract is denied.

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for bringing the proposed extension of your project to our attention.

Sincerely yours,

C. D. Mitchell

Administrator

cc: Docket
Code 400
Oper. Comm.
Adm. Read. File
Thor Killagaard, USGS
R. W. Holliday, USBM
Code 800
FT, Reg. 3

TLChapman/GCSelfridge/ls
2/15/56

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

RECEIVED
APR 1 1955

224 New Customhouse
Denver 2, Colorado

April 15, 1955

Mr. Ralph Johnson, Agent
Johnson Bros. & Prime
500 Grant Avenue
Lewisville, Colorado

Re: Docket DMEA 3173 (Tungsten)
Contract Idu-E657

Dear Mr. Johnson:

Reference is made to your letter of April 8, 1955 wherein you request the Government's approval for the performance of the remaining 50 feet of drifting in an easterly direction of the Hummer vein under Stage III of the contract.

In conjunction with Field Team approval by letter of March 18, 1955 you are hereby authorized to perform the remaining 50 feet of drifting easterly along the Hummer vein under Stage III of the contract.

Nothing in this work authority shall be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Very truly yours,

JWT:sr

cc Chairman Op. Comm. (4)
Amendment File
Subject
Chron
Harshman
Shaw
Townsend

W. M. TRAVER,
W. M. Traver

E. N. Harshman
E. N. Harshman
DMEA Field Team, Region III

DMEA
Date Rec'd.

APR 14 1955

BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region III

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
April 13, 1955

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
APR 21 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3173, Contract Idm-E657 (Tungsten), Johnson Bros. & Prime (Hoosier mine), Boulder County, Colorado - Recommendations regarding the completion of Stage III of the project.

The operator under the subject contract, in a letter dated April 8, 1955, requested permission to complete the final 50 feet of project drifting authorized along the Hummer vein.

The contract authorizes crosscutting to, and drifting a total of 200 feet easterly along, the Hummer vein from the 225-foot level of the Hoosier mine. The completion of the final 100 feet of drift on the vein (Stage III of the contract) was dependent upon the conditions encountered and required the prior approval of the Government. To date, the Government has approved and the operator has completed only the first 50 feet of the drifting allowable under Stage III.

The Hummer vein exposed along the exploration drift continued in granite for a distance of about 110 feet northeast of the crosscut. The structure along the final 40 feet of the completed drift occurred in pegmatite. In the pegmatite, the Hummer vein is represented by a vuggy and brecciated zone up to 30 inches in width. The zone contains appreciable horn quartz but only minor amounts of ferberite. The tungsten mineralization along one short section of the zone within the pegmatite appeared concentrated enough for commercial extraction. The zone exposed in the breast of the drift (some 150 feet northeast of the crosscut) contains a number of quartz stringers aggregating about 8 inches in width and several minor streaks and patches of ferberite. The structure itself at this location is strong and well defined.

DMEA 3173
Idm-E657
4-13-55

The exposure of the vein along the eastern sections of the drift is considered sufficiently promising to warrant the extension of the drift for the additional 50 feet allowable under Stage III of the contract. The completion of this final authorized project work, therefore, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc 7
Idm-E657
DMEA Chron

RLB/cm

I concur with the above recommendation.

D. R. MacLaren
Geologist

Po Box 386
Nederland, Colorado
April 8, 1955

DMEA
Date Rec'd
APR 11 1955
BUREAU OF MINES
Denver, Colorado

W. M. Traver
Executive Officer, DMEA
Field Team, Region 111
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA 3173 (Tungsten)

Dear Mr. Traver:

We have completed the last fifty feet of drifting easterly on the Hummer vein, as authorized by your letter of March 18, 1955.

The formation is still pegmatite, showing a fairly strong vein, consisting of quartz with traces of ferberite.

We feel the showing would warrant the last fifty feet of drifting as authorized by our contract: (with your approval).

Especially if by so doing we might reach the contact of the pegmatite with the granite on the east side.

Yours truly,
JOHNSON BROS. & PRIME

Partner
Ralph L. Johnson

iq

Government's Copy

Office of the Interior
Defense Minerals Administration
RECEIVED
OCT 11 1954

EXPLORATION PROJECT CONTRACT
JOHNSON BROTHERS & PRIME
DOCKET NO. DMEA-3173

AMENDMENT NO. 2

It is agreed this 8th day of September, 1954, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Ralph Johnson, Roy Johnson, and George Prime, that Exploration Project Contract Idm-E657 (Docket No. DMEA-3173), dated January 18, 1954, as amended, hereinafter called the "Contract," is further amended effective January 18, 1954, as follows:

1. The Hummer and McKenna patented lode mining claims (U. S. Survey No. 18340) are added to the land referred to in Article 2 of the Contract, and the Owner's Consent to Lien is attached.

2. In Article 3 of the Contract, delete the period "ten (10) months" and substitute the period "eighteen (18) months."

3. In Article 4 of the Contract, delete the sums "$16,500.00" and "$22,000.00," and substitute the sums "$28,500.00" and "$38,000.00," respectively.

4. Annex I attached to the Contract is cancelled, and Annex II, attached hereto and made a part hereof, is substituted for Article 6 of the Contract.

5. In Article 7 of the Contract, that part of the second sentence beginning with the word "Provided" is deleted.

6. Exhibit "A," as amended by Amendment No. 1, is deleted and a new Exhibit "A" is substituted, as follows:

EXHIBIT "A"

Description of the Work

The work consists of three stages and is indicated on the map attached hereto entitled "Figure 3 - Plan of Underground Workings, Hoosier Mine, Boulder County, Colorado (DMEA 3173)."

All drifts and crosscuts shall be timbered as necessary and shall be not less than 4 feet by 6½ feet in the clear of timber.

Stage I

The work under this stage is divided into two phases:

Phase 1

This work consists of work set forth in original Exhibit "A" which was completed prior to date of execution of Amendment No. 2.

(1) Extend the Hoosier shaft an additional 75 feet from the bottom of the present sump.

(2) Cut a station at the 300-foot level of the Hoosier shaft and drift on the Hoosier vein a maximum of 100 feet westerly and 140 feet easterly from the shaft.

(3) If ore is not encountered by the drifting authorized in Item 2 above, raises will be driven on the Hoosier vein from the new 300-foot level to the bottom of the ore shoots, at locations approved in writing by the DMEA Region IV Field Team. The raises under this item shall not exceed an aggregate of 50 feet.

Phase 2

This work consists of work set forth in original Exhibit "A," as amended by Amendment No. 1, which remains to be completed, as follows:

(4) On the new 300-foot level of the Hoosier shaft, drift easterly along the Hoosier vein for an additional 60 feet.

(5) Drift a maximum of 150 feet easterly on the Phillip vein from the 225-foot level crosscut which extends south from the Hoosier shaft.

Stage II

(1) From a point on the 225-foot level of the Hoosier mine approximately 30 feet west of the Hoosier shaft, crosscut not in excess of 300 feet northerly to intersect the Hummer vein.

(2) From its intersection on the 225-foot level of the Hoosier mine, drift easterly on the Hummer vein for 100 feet.

Stage III

If the Government approves it in advance, dependent upon the results of Stage II, the following work shall be performed:

On the 225-foot level of the Hoosier mine, drift easterly along the Hummer vein for an additional 100 feet.

Estimated Cost of the Project

Agreed Unit Costs

Stage I

Phase 1

Sink 75 feet shaft @ $80.00/ft.	$6,000.00	
Drift 240 feet @ $32.00/ft.	7,680.00	
Raise 50 feet @ $32.00/ft.	1,600.00	
	15,280.00	

Phase 2

Drift 210 feet @ $32.00/ft.	6,720.00	$22,000.00

Stage II

Drift and/or crosscut 400 feet @ $32.00/ft.		12,800.00

Stage III

Drift 100 feet @ $32.00/ft.	$3,200.00
Agreed Estimated Total Cost of Project	$38,000.00
Government Participation @ 75%	$28,500.00

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By O Mitchell Dozier
Administrator, Defense
Minerals Exploration
Administration

JOHNSON BROTHERS & PRIME

By Ralph L Johnson

Partner

EXPLORATION PROJECT CONTRACT
JOHNSON BROTHERS & PRIME
DOCKET NO. DMEA-3173

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 11 1954

ANNEX II

The following provisions are in lieu of Article 6 :

Repayment by Operator.--a. Certification.--If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered the final report and final account, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

b. Royalty on production.--The Operator, as principal, if the Operator is the producer, or as surety, if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land,* as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

c. Basis for computation.--The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f.o.b. point); except, that charges of the buyer arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight paid by the buyer to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the

* The "land" referred to in this subparagraph is the land described in Article 2 of the Contract. See also the added provision on page 3 of this annex.

Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the raw ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

d. Unsold production.--If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

e. Percentages of royalty.--The percentages of the Government's royalty shall be as follows:

> One and one-half ($1\frac{1}{2}$) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half ($\frac{1}{2}$) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.
>
> (For instance: the royalty on an amount of five dollars ($5.00) per ton, would be one and one-half ($1\frac{1}{2}$) percent; on an amount of ten dollars ($10.00) per ton, three and one-half ($3\frac{1}{2}$) percent.)

f. Lien for payment.--To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

g. Notice to purchasers.--The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

h. No obligation to produce.--Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

i. Government not obligated to buy.--Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

Added provision.--The following subparagraph is added to paragraph "b" of this annex:

> The Operator, regardless of certification, and regardless of who the producer is, shall pay a royalty on all production from the Crow patented lode mining claim that is transported or extracted through any workings described in Exhibit "A" of the Contract.

58694

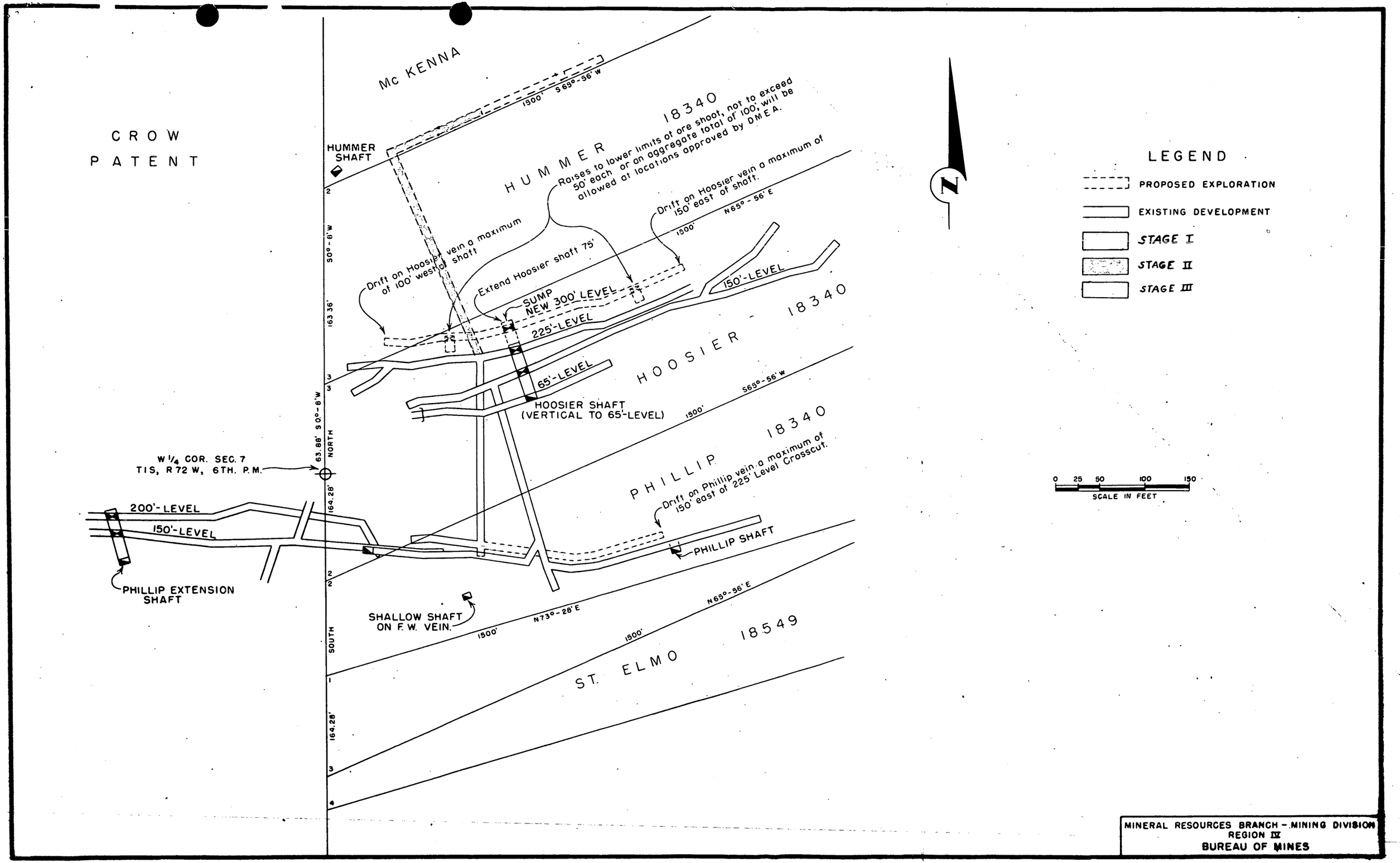

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)

Department of the Interior
Bureau of Mines
Leasing Administration
RECEIVED
OCT 11 1954

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Colorado, County of Boulder, described as follows:1/

Hoosier, Hummer, McKenna, and Phillip Lode Mining Claims, U. S. Survey No. 18340, Grand Island Mining District, Boulder County, Colorado,

an Amendment No. 2 to the

which is the subject of ~~a proposed~~ exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Johnson Brothers & Prime, a partnership consisting of Ralph Johnson, 500 Grant Ave., Louisville, Colorado; Roy Johnson, Nederland, Colorado; and George Prime, Nederland, Colorado,

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said Amendment No. 2 ~~contract~~ and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions In addition to the four claims set forth above, the provisions of paragraphs numbered 2 and 3 of this Owner's Consent to Lien also shall apply to the Crow Patented Lode Mining Claim to the extent that production from said claim is extracted or transported through any workings described in the Contract.

Dated this 28th day of September, 1954.

HETZER MINES, INC. [Seal]

by Bri Pugh President [Seal]

[Seal]

PO Box 336
Nederland, Colorado
April 8, 1955

DMEA
Date Rec'd.
APR 11 1955
BUREAU OF MINES
Denver, Colorado

W. M. Traver
Executive Officer, DMEA
Field Team, Region 111
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA 3173 (Tungsten)

Dear Mr. Traver:

We have completed the last fifty feet of drifting easterly on the Hummer vein, as authorized by your letter of March 18, 1955.

The formation is still pegmatite, showing a fairly strong vein, consisting of quartz with traces of ferberite.

We feel the showing would warrant the last fifty feet of drifting as authorized by our contract: (with your approval).

Especially if by so doing we might reach the contact of the pegmatite with the granite on the east side.

Yours truly,
JOHNSON BROS. & PRIME

Partner
Ralph L. Johnson

iq

No. 1

AMENDMENT OF CONTRACT: No. Idm-E657

Contract Docket No. DMEA 3173, dated January 18, 1954, between the United States of America and Johnson Brothers & Prime, a partnership consisting of Ralph Johnson, Roy Johnson, and George Prime, is hereby amended as follows, effective July 8, 1954:

> Referring to "EXHIBIT A" attached to Exploration Project Contract Form MF-200(A) (February 1952), heading "Description of the Work", items "3" and "4", the drift easterly on the 300 foot level of the Hoosier shaft, described under said item "3", will be extended an additional 50 feet easterly, or not to exceed a maximum distance of 200 feet from the Hoosier shaft, in lieu of performing 50 feet of raise described under said item "4".

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated JUL 20 1954

JOHNSON BROTHERS & PRIME

By Ralph Johnson
Ralph Johnson, Agent for the partnership

UNITED STATES OF AMERICA

By W H King
W.H. King, Executive Officer, DMEA Field Team, Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
July 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, Colorado - Request for authority to drift on the Hoosier vein in lieu of the presently authorized raising

Enclosed are the original and seven copies of a memorandum by R. L. Bolmer covering the above amendment request.

The recommendation that the request for 50 feet of drifting east on the 300-foot level in lieu of 50 feet of raising at the identical unit cost as provided by the contract be allowed by amendment has my approval.

Floyd D Everett
Floyd D. Everett, for
W. M. Traver

enclosures

cc 7
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 - Request for authority to drift on the Hoosier vein in lieu of the presently authorized raising

The operator under the subject contract has written the DMEA Field Team, Region IV, requesting authority to drift an additional 50 feet easterly on the Hoosier vein. The drifting requested will be in lieu of an equivalent amount of raising presently authorized under the contract but, as yet, not completed.

The operator has just completed the 150 feet of drifting authorized on the Hoosier vein east of the shaft on the new 300-foot level. The final few feet of this drift exposed a few inches of good grade ferberite. Up to this point, the vein had occurred in a heavy schist and was weak and unmineralized. The present breast of the drift has exposed pegmatite, aplite, and granite gneiss, all favorable host rocks for ore deposition.

The investigation of the present favorable showing by extending the drift an additional 50 feet easterly is considered well warranted and more promising than raising the authorized 50 feet in the earlier and barren sections of the drift. Under the contract, the agreed unit price for drifting and raising are the same and the requested authority to substitute an equivalent amount of drifting for the presently authorized but unexpended 50 feet of raising is recommended.

R. L. Bolmer
Mining Engineer

cc 7
E657
DMEA Chron

RLB/pam

July 9, 1954

Memorandum

To: A. H. Koschmann E.N.H. for A.H.K.

From: E. N. Harshman

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

Work under the subject contract on the 300 foot level of the Hoosier mine has been prosecuted in a satisfactory manner and is nearly completed. Southwest of the Hoosier shaft a 100 foot drift and a 50 foot raise were driven in schist and no ore was discovered. Northeast of the shaft, 149 out of a permissible 150 feet of drift have been completed and a 50 foot raise remains to be driven.

About 145 feet of the northeast drift is in schist and the vein consists of clay gouge, somewhat silicified, but no ore was found. The last four feet of the drift is in granite gneiss and pegmatite and the vein in this part of the drift consists of 12 inches of horn quartz containing a 3/4 to 3 inch streak of ferberite.

The applicants have requested that in lieu of the 50 foot raise from the northeast drift, allowed under the contract, they be permitted to continue the northeast drift an additional 50 feet or a total distance of 200 feet.

It appears that the present northeast drift has entered the southwest part of an ore shoot and that it is to the best interest of the Government and the applicant to continue exploration by extending this drift. Under the short form contract both drifting and raising are paid for at a rate of $32.00 per foot and the requested amendment will not effect the total contract price.

The requested amendment appears justified and is recommended for approval.

Nederland, Colo.
July 1 1954

Mining Division
Data Rec'd.
JUL 19 1954

Mr. W. H. King
Executive Officer
DMEA Field Team. Region IV

Doket. No. DMEA 3173
No. Idm. E 657

Dear. Sir:

I am writing this letter requesting your permission to continue drifting in an easterly direction on the three hundred foot level of the Hoosier mine an additional fifty feet in lieu of a fifty foot raise as authorized in present contract.

The reason for requested change being, We have encountered a definite change in ground formation and a fair showing of ferberite ore in drift one hundred and forty nine foot from shaft on the three hundred foot level, east.

Thanking you in advance. Very Truly Yours.

Ralph L Johnson
Nederland. Colo.

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

224 New Customhouse
Denver 2, Colorado

June 14, 1954

Mr. Ralph Johnson
Attorney in Fact
Johnson Brothers and Prime
500 Grand Avenue
Louisville, Colorado

Re: Docket DMEA 3173 (Tungsten)
Contract Idm-E657

Dear Mr. Johnson:

Consistent with stipulations contained in Exhibit 'A', caption 'Description of the Work', item 4, you are hereby authorized to drive a raise not to exceed 50 feet in height from a position in the 500 level drift within the distance between 35 to 50 feet west of the shaft.

Nothing in this work authority shall be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated 'allowable maximum'.

Very truly yours,

W H King
W. H. King

for E. N. Hardman
A. H. Koschmann

JWT:JP

cc Contract
Amdt.
Chron
COMittendorf (3)
AHKoschmann
WMTraver
JWTownsend

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

randum

Executive Officer, DMEA Field Team, Region IV

om: 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.

(signed) W. M. Traver

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-8057 (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.

(signed) R. L. Bolmer
Mining Engineer

Docket No. 3173

Commodity Tungsten

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

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

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

Contract No. Idm-E 657

Date of Contract ~~or amendment~~ January 10, 1954

Name and Address of Operator:

Johnson Bros. and Prime
Hoosier Mine
Boulder County, Colorado

Amount of Government participation $28,500.00

Percent of Government participation 75 %

Region: III State: Colorado

Note: Please release $192.00. Contract terminated.

E. R. Talbert
(Name)

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

Date Delivered to Bureau of Mines, Washington. 3/15/56

54458

Docket No. ~~DMEA - 3173~~

Commodity ~~Tungsten~~

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

AMENDMENT

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

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

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

Contract No. Idm-E 657

Date of Contract ~~xxxxxxxxxxxxxxxxxxxx~~ Jan. 18,1954

Name and Address of Operator:
Johnson Bros. and Prime
Hoosier Mine
Boulder County, Colorado

Amount of Government participation ____ $28,500.00

Percent of Government participation 75 %

Region: IV State: Colorado

Note: This document establishes the obligation shown above and cancels the previous obligation of $ 16,500.00

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

Date Delivered to Bureau of Mines, Washington. 9/9/54

54458

Doc[illegible] No. 3173

Commodity Tungsten

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

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

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

Contract No. Idm-E ~~62~~ 657

Date of Contract or Amendment: January 18, 1954

Name and Address of Operator:

Johnson Bros.
Nederland, Colorado

Amount of Government participation $16,500.

Percent of Government participation 75 %

Region: IV State: Colorado

(Name)

J. [illegible] Chambers
Chief, Contract Administration and Audit Division

(Title)

Date Delivered to Bureau of Mines, Washington. 1/26/54

13808

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 3173

COMMODITY Tungsten

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 8 1954

Idm-E657

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 18th day of January, 1954 between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Johnson Brothers & Prime, a partnership consisting of Ralph Johnson, 500 Grant Ave., Louisville, Colorado; Roy Johnson, Nederland, Colorado, and George Prime, Nederland, Colorado

hereinafter called the "Operator," as follows: and as set forth in Annex I attached hereto and made a part hereof:

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Colorado, County of Boulder, described as follows:[3] Hoosier and Phillip Lode Mining Claims, U. S. Survey 18340

the Operator represents and undertakes:[4]

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

None

(*b*) That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is attached.

The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within sixty (60) days from the date of this contract shall commence work on a project of exploration for[5] Tungsten

in or upon the described land; and shall bring the project to completion within a period of ten (10) months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay seventy-five (75) percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $16,500.00, which is 75 percent of $22,000.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided*, that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* .....

Executed in sextuplicate the day and year first above written.

Johnson Bros & Prime
(Operator)

By Ralph L Johnson
X Roy Johnson
George Prime

THE UNITED STATES OF AMERICA

By W H Kerr
Executive Officer, DMEA
Field Team, Region IV

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

_____ [CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

DMEA 3173

DEPT. OF THE INTERIOR
Defense Materials Administration
RECEIVED
NOV 8 1954

EXHIBIT A

Description of the Work

1. Drift a maximum of 150 feet easterly on the Phillip vein from the 225-foot level crosscut which extends south from the Hoosier shaft.

2. Sink the Hoosier shaft an additional 75 feet from the bottom of the present sump.

3. Cut a station at the 300-foot level of the Hoosier shaft and drift on the Hoosier vein a maximum of 100 feet westerly and 150 feet easterly from the shaft.

4. If ore is not encountered by the drifting authorized in Item 3, above, raises will be driven on the Hoosier vein from the new 300-foot level to the bottom of the ore shoots, at locations approved in writing by the DMEA Region IV Field Team. These raises are not to exceed an aggregate total of 100 feet nor more than 50 feet for any single raise.

The location of the work is shown on Figure 3 which is attached and made a part of Exhibit A. The location of the raises are tentative and may be varied dependent on conditions encountered in the performance of the drifting.

Estimated Costs of the Project

Drifting 400 feet at $32.00 per foot -	$12,800.00
Sinking Hoosier shaft 75 feet at $80.00 per foot -	6,000.00
Raising 100 feet at $32.00 per foot -	3,200.00
Total estimated cost -	$22,000.00
Government participation at 75% -	$16,500.00

The above costs include supervision, equipment rental and depreciation, assaying and any and all other costs incurred in the completion of the work.

DEPARTMENT OF THE INTERIOR
Division of Administration
RECEIVED
FEB 8 1954

ANNEX I

The following provisions are in lieu of all of paragraph (a) of Article 6 which precedes the colon:

If the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after a sufficient, complete, final report and final account referred to in the contract has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development. The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2, as follows: (1) Regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production (including any bonuses), in whatever form disposed of, including ore, concentrates, or metal, as follows:

MF-203
(Revised July 1, 1953)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Colorado, County of Boulder, described as follows:1/

Hoosier and Phillip Lode Mining Claims, U. S. Survey 18340

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Johnson Brothers and Prime, a partnership consisting of Ralph Johnson, 500 Grant Avenue, Louisville, Colorado, and Roy Johnson and George Prime of Nederland, Colorado.

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production (as set forth on the reverse side hereof) and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract, or any amendment thereof, shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof, there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom, until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions

Dated this 14 day of Jan, 1954.

Shelzer Mines Inc [Seal]

by Dealley & Shelzer [Seal]

Secy [Seal]

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

Repayment by Operator.--a. Certification.--If at any time the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after the Operator has rendered the final report and final account, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

b. Percentage royalty.--The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2,--(1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years (or other period fixed by the contract) from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, as follows:

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

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

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

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

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

e. Notice to Purchasers.--The Operator shall notify any purchaser of the production of the Government's royalty interest, and shall authorize and direct the purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets; but failure or refusal by the purchaser to comply shall not relieve the Operator of liability to pay any royalty falling due.

f. No Obligation to Produce.--This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

Interior—Duplicating Section, Washington, D. C. 47318

MINERAL RESOURCES BRANCH - MINING DIVISION
REGION IV
BUREAU OF MINES

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

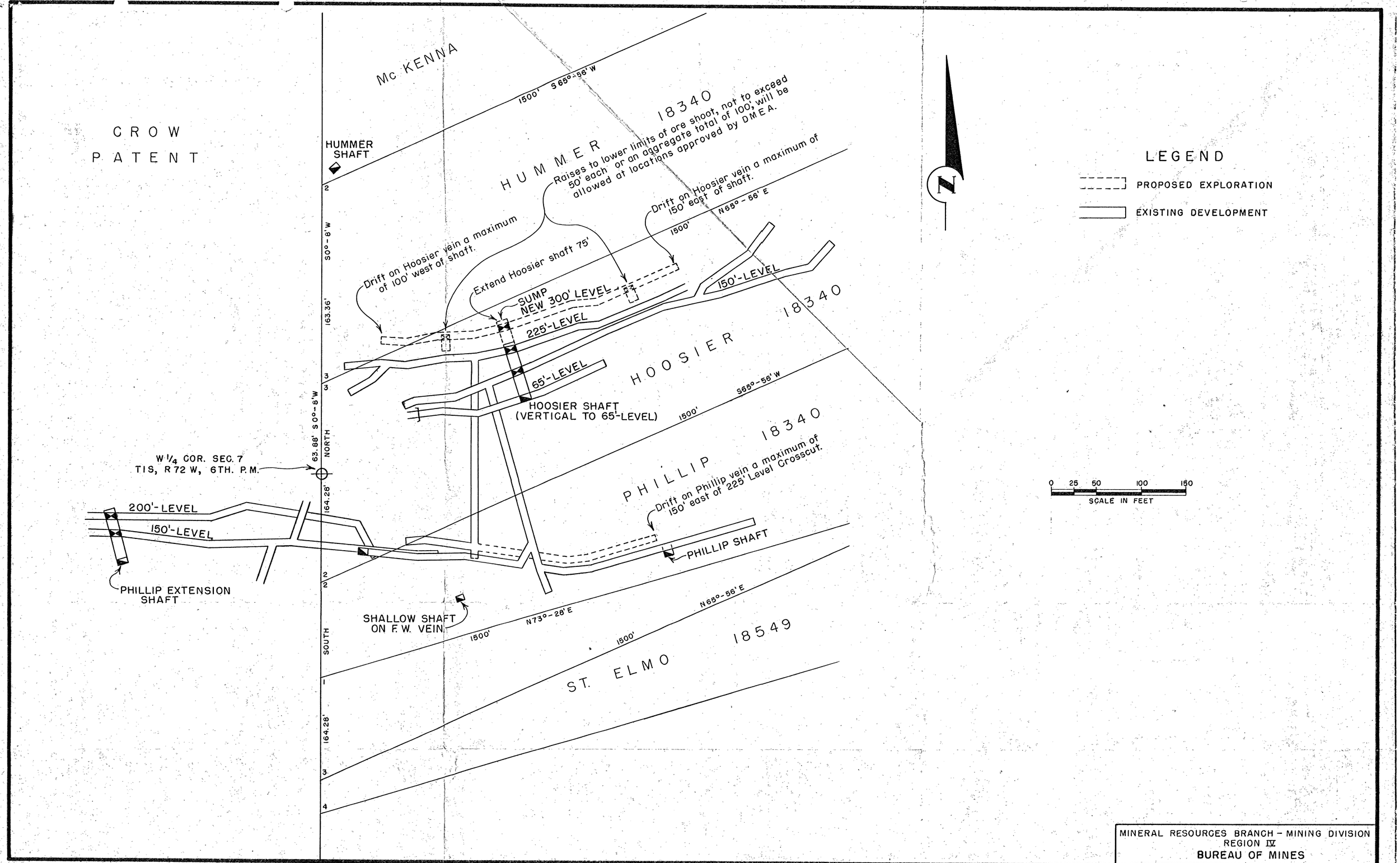

FIGURE 3 - PLAN OF UNDERGROUND WORKINGS, HOOSIER MINE, BOULDER COUNTY, COLO. (DMEA 3173)