Adm - E 570

August 16, 1962

Gentlemen:

This lease was completed under a lease from the Nederland Tungsten Company, of Nederland, Colorado. Following completion of the project, all of this mining estate was acquired by the following:

Cold Spring Tungsten, Inc.,
Care: Mr. G. C. Ridland
(Present Address)
622 North 2nd Avenue
Phoenix, Arizona.

I have talked to Mr. Ridland today, and he informs me that there was no production since December 11, 1961, and that he was sure that any previous production had been reported and the royalty to the DMEA paid.

Paul E. Bennett
508 West 17th Place
Tempe, Arizona

REPORT OF
ROYALTY REVIEW

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-E570, Docket DMEA-5001 (tungsten), dated July 14, 1953, with

Paul H. Bennett
1825 Marine Street
Boulder, 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 World Mine located in Boulder County, Colorado, during the period June 21, 1956, through December 11, 1961.

A certification of discovery or development was issued on September 15, 1954, and, in accordance with Article 6 of the contract, royalty is payable on all minerals produced from the land described in Article 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 10, 1954, indicated accepted costs under the exploration contract amounting to $8,170.00 with the Government's contribution on a 75 percent basis being $6,127.50.

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 June 20, 1956, to be $4,482.65. The royalty account as of June 20, 1956, was:

Total Royalty Payable	$220.63
Total Royalty Paid	222.23
Overpayment of Royalty	$ -0-

As of December 11, 1961, the royalty account of this project was found to be:

Total Royalty Payable	$220.63
Total Royalty Paid	220.63
Balance of Royalty Due	$ -0-

E. O. Talbert

E. O. Talbert, OME Auditor

December 18, 1961

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

At the time the exploration project contract was executed, the Operator held possession of the property by virtue of a ten-year lease granted on January 17, 1953, by the Hetzer Mines, Inc., 250 Pearl Street, Boulder, Colorado. In consideration of the contract, Hetzer Mines, Inc., executed an Owner's Consent to Lien on June 20, 1953.

Exploration work under the contract was terminated during December 1953 and shortly thereafter the Operator relinquished his lease. Hetzer Mines, Inc., then gave an informal lease to a Walters, an Erickson, and M. A. Castagne, Nederland, Colorado, all employees of Cold Spring Tungsten, Inc., 1036 First National Bank Building, Denver 2, Colorado. This informal lease was cancelled upon the acquisition on August 20, 1954, by Cold Spring Tungsten, Inc., of Hetzer Mines, Inc., through the purchase of all outstanding stock.

The files indicate that all ore discovered during the exploration has been removed and that no known reserves remain, the mine has been idle since July 1954, and the surface workings, including shaft timbers to the water-level at approximately 60 feet, burned in August 1955. All production by the Operator and the subsequent lessees was covered by a prior Report of Royalty Review dated June 27, 1956. The $1.60 overpayment of royalty disclosed by that review was refunded to the Operator during July 1956.

Article 7 of the exploration contract includes the so-called "abandonment" provision. Furthermore, the Owner's Consent to Lien merely secures the payment of royalty "provided for under the terms of said exploration project contract".

The Operator's present address is unknown.

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

(1) All sales of production have been reported and proper royalty thereon paid;
(2) The property has been inactive since July 1954; and
(3) 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
April 59

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name **Paul H. Bennett**

Address **Unknown**

Our last letter (certified mail) was returned unclaimed 1-11-60

Exploration Contract No. **Idm E570** Docket No. **DMEA 3001**

			Check One Yes	Check One No
1.	(a)	Does the Operator stockpile ore subject to royalty repayment?		
	(b)	If so, is segregation and identification procedure adequate?		
2.	(a)	Does Operator commingle production subject to DMEA or OME royalties with exempt production?		
	(b)	If so, do you consider 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.		Do you consider the assay controls in effect are adequate?		
5.		Do you consider that the manner of disposing of production gives 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.		Comment on any item 2 (b) to 6 if answer is No.		

Property is inactive.

Last known production was in 1954.

Original signed by

12-11-61
Date

Mining Engineer
Hugh M. Connors

Building 20 - Federal Center
Denver 25, Colorado

December 22, 1961 12/26 cae 210 800

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: Docket No. DMEA 3001 (Tungsten)
Contract No. Idm-E570
Paul H. Bennett
(World mine)
Boulder County, Colorado

Attached is the original Report of Royalty Review on the subject property dated December 18, 1961 covering the period June 21, 1956, through December 11, 1961.

Original signed by

T. M. Romele

Attachment

TMR/lm
cc Chief, Division of Field Operations, OME
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres Idm E570
Chron

DEC 1 8 1961

Memorandum

To: Acting Field Officer, Region III

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

Subject: DMEA-3001 (Tungsten)
Paul H. Bennett
World Mine
Boulder County, Colorado
Contract Idm-E570

The original and one copy 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.; and

(b) One copy for your files.

This Report of Royalty Review is made for record purposes only; therefore, no copy for the Operator is provided.

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

Enclosures

EDTalbert/ama 12-18-61

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

DEC 6 1961

Memorandum

To: Acting Field Officer, Region III

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

Subject: DMEA-3001 (Tungsten)
Paul H. Bennett
World Mine
Boulder County, Colorado
Contract Idm-E570

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 July 1954. If this is so, please confirm by an appropriate statement under item 8 of MME Form 22.

EDTalbert/ama 12-6-61

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

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. Paul H. Bennett
1825 Marine Street
Boulder, Colorado

Re: Docket No.DMEA 3001 (Tungsten)
Contract No. Idm-E570
Paul H. Bennett
(World mine)
Boulder County, Colorado

Dear Mr. Bennett:

In reference to the instructions in the last paragraph of the letter to you dated September 16, 1954, from Frank E. Johnson, Acting Administrator, DMEA, in reference to certification of Contract Idm-E570, please advise the current status of operations at the project, and also advise whether or not there has been any production from the subordinated land since January 1, 1959.

Very truly yours,

Original signed by

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

JWT:ltm

cc: Chmn. Op. Comm. (2)
Roy. Corres. E570
Semiannual Rept. file E570
Susp.
Chron.

C
O
P
Y

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

224 New Customhouse
Denver 2, Colorado

CERTIFIED MAIL

July 31, 1956

Paul H. Bennett
1825 Marine Street
Boulder, Colorado

Re: Refund of royalty payments, Docket DMEA 3001 (Tungsten), Contract E570, Paul H. Bennett (World Mine), Boulder County, Colo.

Dear Mr. Bennett:

Enclosed is Government check No. 21,107,541 for $1.60, which is to refund you for the overpayment of royalties on production from the subject property. This overpayment was determined by the Report of Royalty Review for period July 14, 1953 through June 20, 1956, prepared by the Contract Administration and Audit Division, dated June 27, 1956 as follows:

	Sales by P. H. Bennett	Sales by M. Castagne	Total Total
DMEA Royalty Due	$170.75	$49.88	$220.63
DMEA Royalty Received	172.92	49.31	222.23
Bal. of Royalty Due	$ 2.17 cr.	$ .57	$ 1.60 cr.

Overpayment Applicable to Liq. No. 776 sold by Bennett	$ 2.17	
Underpayment Applicable to Liq. No. 953 sold by Castagne	.57	
Net Overpayment of Royalty as above		$ 1.60

Please acknowledge receipt of this check.

Yours very truly,

/s/ W. N. Traver

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

Enclosure

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

RECEIVED
JUL 2 - 1956

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, DMEA Field Team, Region III, Denver, Colorado, pertaining to Contract Idm-E570, Docket No. DMEA-3001 (Tungsten), dated July 14, 1953, with

Paul H. Bennett
1825 Marine St.
Boulder, Colorado

for the purpose of determining the amount of royalties due the U. S. Government on sales of tungsten from property referred to as World Mine located in Boulder County, Colorado, during the period July 14, 1953 through June 20, 1956.

A certification of discovery or development was issued September 15, 1954, and accordingly, royalty is payable on all production from the land described in Article 2 of the Contract and in Annex I, attached, for a maximum of ten years from the date of the contract. A Report of Review in lieu of final cost audit dated March 10, 1954, indicated accepted costs under the Exploration Contract amounting to $8,170.00, with the Government's contribution on a 75% basis being $6,127.50.

My review included a conference with Mr. R. L. Belmer, Mining Engineer, Bureau of Mines, Denver, Colorado, who is thoroughly familiar with the project, and a tabulation and recomputation of all ore settlement sheets, which are summarized in the attached Exhibit A.

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

(a) According to the Field Team's "Annual" Report of Certified Projects dated January 31, 1956, the mine has not been in operation since July, 1954.

(b) The examining engineer is of the opinion that all sales of ore produced during the period July 14, 1953 through June 20, 1956, subject to DMEA royalty have been properly reported.

(c) 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 to be $4,482.65. Royalty due the U. S. Government at the contract rates of 1½% to 5% is $220.63. The royalty paid and the amount of overpayment are as follows:

Total Royalty Due	$220.63
Total Royalty Paid	222.23
Overpayment of Royalty	1.60

June 27, 1956

Donald T. Finch, Auditor

EXHIBIT A

PAUL H. BENNETT

Contract Idm-E570 Docket No. DMEA-3001

SUMMARY OF PRODUCTION AND ROYALTY PERIOD JULY 14, 1953 TO JUNE 30, 1956

	Sales By Paul H. Bennett	Sales By Morrison Castagna	Total
PURCHASER:	H E T Z E R M I N E S, I N C.		
PERIOD:	9/24/53 TO 1/6/54	4/7/54 TO 7/19/54	9/24/53 TO 7/19/54
Gross Weight, Pounds	285,630	42,825	328,455
Dry Weight			
Pounds	268,891	41,523	310,414
Tons	134.4455	20.7615	155.2070
Average Assay WO_3	1.15	1.85	1.247
WO_3 Content, Pounds	3,100.34	769.67	3,870.21
Average Price per Pound	$1.21	$1.296	$1.225
Gross Value	$3,744.53	$997.74	$4,742.27
Allowable Deductions for Hauling, Assaying, and Umpire Fees	$ 259.62	-	$ 259.62
Net Sales Subject to DMEA Royalties	$3,484.91	$997.74	$4,482.65
Average Value Per Dry Ton	$25.92	$48.06	$28.88
Average DMEA Royalty Percentage	4.56	5	4.92
DMEA Royalty Due	$170.75	$49.88	$220.63
DMEA Royalty Received	172.92	49.31	222.23
Net Overpayment of Royalty	$ 2.17	$ .57	$ 1.60

Overpayment of Royalty Applicable to Liquidation No. 776 Sold by Bennett	$ 2.17	
Underpayment of Royalty Applicable to Liquidation No. 953 Sold by Castagna	.57	
Net Overpayment of Royalty as above		$ 1.60

DMEA
Date Rec'd
JUN 26 1956

BUREAU OF MINES
Denver, Colorado
RECEIVED
JUL 2 - 1956

Check Sheet of Examining Engineer

Operator's Name P. H. Bennett

Address 1825 Marine Street

Boulder, Colorado

Exploration Contract No. Idm-E570 Docket No. DMEA 3001

	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?		
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?		
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?		
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.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

Date June 26, 1956

82448

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

Mr. Donald T. Finch
DMEA Auditor
224 New Customhouse
Denver 2, Colorado

Re: Report of Royalty Review
Paul H. Bennett
Idm-857D, DMEA-3001

Dear Mr. Finch:

Receipt is acknowledged of the Washington copies of the 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, Chief
Contract Administration
and Audit Division

WBorovies/wb
July 3, 1956

Copy to: Docket
Admr. Reading File
Mr. Chambers

For Certificate of Deposit No. 30, dated September 17, 1954, giving royalty repayment of $13.77, see E-4.

C
O
P
Y

August 19, 1954

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
Bureau of Mines
224 New Customhouse Building
Denver 2, Colorado

Re: Settlement sheets
Hetzer Mines, Inc.

Dear Mr. King:

Reference is made to the Purchase Schedule for Tungsten Ores (Revised December 16, 1953) by Hetzer Mines, Inc.

In checking the recent settlement sheets submitted to this Administration, we have been unable in numerous cases to correlate the price per unit used with those set forth in the published schedule. It would be appreciated, therefore, if you would review the following settlement sheets:

Contract No. Idm-E36
Boulder Tungsten Mines, Inc.
Docket No. DMEA 1651

Lot No.	Unit price used	Published unit price
1095	$25.80	$26.50
1118	27.00	28.50

Contract No. Idm-E53
Eureka Tungsten Mining Co.
Docket No. DMEA 1567

1094	$33.72	$35.80
1122	$32.30	$33.50
1149	$31.40	$31.50
1175 1/	$1.63/lb.	$1.67/lb.

Contract No. Idm-E333
George Jump
Docket No. DMEA 2343

1098	$39.60	$39.50
1101 1/	$2.873/lb.	$3.00/lb.
1127 1/	$2.85/lb.	$3.00/lb.
1155 1/	$2.893/lb.	$3.00/lb.
1206 1/	$2.938/lb.	$3.00/lb.

Contract No. Idm-E570
Paul H. Bennett
Docket No. DMEA 3001
1136 $28.80 $30.00

1/ - No. data on phosphorus penalty if applicable.

Sincerely yours,

/s/ W. S. Martin

Actg. Chairman, Operating Committee

cc: Docket DMEA 1651, 1567, 3001, 2343
Field Team, Reg. IV
Code 400
Adm. Reading File
Oper. Committee
Code 800 - Mr. Chambers

FARutledge/ls
8-17-54

APPROVED:

/s/ J. H. Hedges
For Bureau of Mines

/s/ D. M. Larrabee
For Geological Survey

For Certificate of Deposit No. 13, dated August 4, 1954, giving royalty repayment of $35.54, see E-4.

E-570

For Schedule of Collections No. DMA-C-126, dated April 16, 1954, giving royalty repayment of $13.77, see E-36.

For Schedule of Collections No. DMA-C-79, dated January 13, 1954, giving royalty repayments of $11.74 and $12.49, see E-53.

For Schedule of Collections No. DMA-C-63, dated December 10, 1953, giving royalty repayments of $22.69, $10.84, $31.53, and $26.42, see E-53.

E-570

For Schedule of Collections No. DMA-C-58, dated November 20, 1953, giving royalty repayment of $3.41, see E-54.

Standard Form No. 1044—Revised
Form approved by Comptroller General U. S.
June 25, 1936

SCHEDULE OF COLLECTIONS

Schedule No. DMA-M-C-45

Sheet No. 1

(14-23-040)

Department of the Interior (Department or Establishment)

Defense Minerals Exploration Administration (Bureau or Office)

Received by C. E. Evans, Regional Disbursing Officer (Name) (Title) at Denver, Colorado (Station)

Period October, 1953 (Month or quarter ended)

D. O. Symbol No. 413

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
10/20/53		Hetzer-Hines, Inc., Check No. 511 drawn on The Mercantile Bank and Trust Co., Boulder, Colorado	Repayment under the Mineral Exploration Program, Contract No. Idm-2570, Paul H. Bennett	$6.94	14X4401 Revolving Fund Defense Production Act, Interior
			Total,	$6.94	

Received ....., subject to collection. Forwarded October 21, 1953

(Disbursing clerk or accountable officer)

By .....

By Naomi E. Stokes (Name)

Title Authorized Certifying Officer

Certificate of Deposit No. ..... dated .....

U. S. GOVERNMENT PRINTING OFFICE 10—1790

Standard Form No. 1044—Revised
Form approved by Comptroller General U. S.
June 25, 1936

SCHEDULE OF COLLECTIONS

Schedule No. DMA-14-C-44

Sheet No. 1

(14-23-040)

Department of the Interior
(Department or Establishment)

Defense Minerals Exploration Administration
(Bureau or Office)

Received by G. L. Evans, Regional Disbursing Officer (Name) (Title) at Denver, Colorado (Station)

Period October, 1953 (Month or quarter ended)

D. O. Symbol No. 413

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
10/19/53		Hetzer-Mines, Inc., Check No. 1442 drawn on First National Bank in Boulder, Boulder, Colo.	Repayment under the Mineral Exploration Program, Contract No. Idm-E570, Paul H. Bennett	18.05	14X4401 Revolving Fund Defense Production Act, Interior
"		Hetzer-Mines, Inc., Check No. 1363 drawn on First National Bank in Boulder, Boulder, Colo.	Repayment under the Mineral Exploration Program, Contract No. Idm-E570, Paul H. Bennett	6.47	"
"		Hetzer-Mines, Inc., Check No. 1366 drawn on First National Bank in Boulder, Boulder, Colo.	Repayment under the Mineral Exploration Program, Contract No. Idm-E570, Paul H. Bennett	1.92	"
"		Hetzer-Mines, Inc., Check No. 513 drawn on The Mercantile Bank and Trust Co., Boulder, Colo.	Repayment under the Mineral Exploration Program, Contract No. Idm-E570, Paul H. Bennett	4.57	"
			Total,	$31.01	

Received _____, subject to collection. Forwarded October 20, 1953

_____
(Disbursing clerk or accountable officer)

By _____

By Naomi E. Stokes (Name)

Title Authorized Certifying Officer

Certificate of Deposit No. _____ dated _____

U. S. GOVERNMENT PRINTING OFFICE 10—1790

For Schedule of Collections No. DMA-C-41, dated October 20, 1953, giving royalty repayment of $15.85, see E-54.

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

January 20, 1954

Memorandum

To: Mr. George C. Selfridge
Chairman, Operating Committee

From: Jay L. Chambers, Chief (Signed) J. L. Chambers
Contract Administration and Audit Division

Subject: Docket No. DMEA-3001 (Tungsten), Paul H. Bennett
World Mine, Boulder County, Colorado, Contract Idm-D570

Attached is a proposed letter prepared by the General Counsel's office in regard to the propriety and legality of the Cold Spring Tungsten Company hauling ore for Paul H. Bennett, World Mine, where such hauling prices are deductible prior to the calculation of the Government's royalty on such ore. The Cold Spring Tungsten Company has a 45 percent interest in the operator's exploration venture.

I am in agreement with the General Counsel that on a strictly legal basis the Cold Spring Tungsten Company may be paid for the haulage and that such payment is deductible prior to the calculation of Government royalty. I question the propriety, however, of this activity since the Cold Spring Tungsten Company doubtless has managerial control over the Bennett operation. Therefore, I believe that we should offer the advice that the Field Team should satisfy itself that the hauling charges made by Cold Spring Tungsten are not in excess of hauling charges which an independent carrier might make. This advice would clear the Washington office should the question arise in the future and the discovery made that the Cold Spring Tungsten Company charges were greater than other carriers.

My comments are in agreement with many rulings of the Comptroller General in similar cases.

Attachment

JLChambers/wh
January 20, 1954

Copy to: Docket
Admr. Reading File
Mr. Chambers

REPORT
OF REVIEW

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Paul H. Bennett
1825 Marine Street
Boulder, Colorado

pertaining to Exploration Project Contract No. Idm-E570, Docket No. DMEA 3001, and including Amendment No. 1, for the months of July, 1953 to December, 1953, inclusive, covering a project for exploration of Tungsten located in Boulder County, Colorado, commonly known as the World Mine.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of costs claimed with the contract and pertinent schedules, consultation with the Government representative who visited and examined the project, 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:

The contract provides 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		$8,170.00
Exceptions:		
By DMEA Finance Officer	-0-	
Herewith	-0-	
Total Accepted Cost		$8,170.00

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 Six Thousand One Hundred Twenty Seven and 50/100ths Dollars

- $6,127.50 -

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.

Date: March 10, 1954.

T. H. Brading, Auditor

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1953 Docket No. DMEA 3001 Contract No. Idm-E570
Operator's Name Paul H. Bennett Minerals Tungsten
Address 1825 Marine St., Boulder, Colorado
Contract Amount, $ 8200.00 Government Participation: 75 % Amount, $ 6150.00

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						
~~[illegible]~~ Raising	—	2210.00	2210.00			
Crosscutting	—	3072.00	3072.00			
Drifting	480.00	1728.00	2208.00			
Sub-Level Drifting	—	680.00	680.00			
(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	480.00	7690.00	8170.00			

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

Date Jan. 15, 1954 *Payee Paul H. Bennett
Paul H. Bennett
Per _____ Title _____

*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:

$ 360.00

Signature _____
(Authorized Certifying Officer)

Date 4/6/54 Vou. No. DMA 54-103

(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-570 in accordance with the terms of the contract.

Signature R. P. Bolmer, $360.00 WMA Title Mining Engineer Date JAN 18 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

Signature W. H. Kung Title Executive Officer Date APR 5 1954

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1953 Docket No. DMEA 3001 Contract No. Idm-E570
Operator's Name Paul H. Bennett Minerals Tungsten
Address 1825 Marine St., Boulder, 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	ft.	480.00	15	2208.00	69	32.00	69	32.00
Crosscutting	ft.	—	—	3072.00	96	32.00	96	32.00
Raising	ft.	—	—	2210.00	65	34.00	65	34.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sub-Level Drifting	ft.	—	—	680.00	20	34.00	20	34.00
TOTAL DISTRIBUTED COSTS		480.00		8170.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		480.00		8170.00				

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. 15, 1954 Operator Paul H. Bennett
Paul H. Bennett
Per Title

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 12, 1954.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3001 (Tungsten), Contract No, Idm-E570, Paul H. Bennett, World Mine, Boulder County, Colorado.

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

Also enclosed are two copies of a memorandum to Mr. T. A. Christensen dated April 5, 1954, relative to final payment under the terms of the subject contract.

Final payment to the Operator in the amount of $360.00 has now been made in conformance with the final Report of Review by the Contract Administration and Audit Division, dated March 10, 1954.

W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

April 5, 1954.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3001 (Tungsten), Contract No. Idm-E570, Paul H. Bennett, World Mine, Boulder County, Colorado. Operator's Monthly Progress Report and Voucher for the month of December 1953 - FINAL PAYMENT

Enclosed are the original and four copies of Form MF-104 and MF-104A, Narrative Report and Engineer's Report for the above period. This report constitutes the Operator's final claim for reimbursement under the terms of the contract.

The Operator has complied with the terms of the contract and final payment is recommended as follows, which is in conformance with the final Report of Review by the Contract Administration and Audit Division, dated March 10, 1954, which was released to this office March 18, 1954.

Basis for Final Payment

Total accepted costs	$8,170.00
Government participation at 75%	6,127.50
Total prior payments	5,767.50
Balance due the Operator	$360.00

W. H. King

Enclosures

JWT:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
January 21, 1954

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 3001, contract Idm-E570 (Tungsten), Paul H. Bennett (World mine), Boulder County, Colorado - Progress report for December 1953

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

Bolmer confirms the 15 feet of drifting on the 80-foot level of the mine as reported in the operator's narrative and entered on the MF-104 form. The ore encountered, instead of being strong and of better value in the floor of the drift as claimed by the operator, is in a weak structure exhibiting only slight mineralization all along the drift. As stated in my transmittal memorandum with the November progress report, it is believed this is propaganda in favor of their requested amendment. This we are recommending for denial.

The inspecting engineer's descriptions of conditions encountered so far have been adequate. The small lens of ore encountered has been completely mined out evidently yielding sufficient return to repay the operator for his expenditure under the contract but only reimbursing the Government in the amount of $172.92 for their participation which will amount to approximately $6,127.50. Possibilities for further ore production from the property are apparently exhausted, and there is a possibility the mine will be abandoned. In the event it is not, certification should probably be made to protect the Government's interest.

Payment of $360.00, or 75 percent of the total $480.00 claimed for December 1953 by the contractor, is approved and certified on the MF-104 forms.

As this is the final progress report, payment should be deferred until a Report of Review by an auditor representative of the Contract Administration and Audit Division is submitted after which the contract can be closed in the usual manner.

W. M. Traver

W. M. Traver

enclosures

cc 4
E570
Chron

WMT/pam

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
January 18, 1954

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 3001, contract Idm-E570 (Tungsten), Paul H. Bennett (World mine), Boulder County, Colorado - Progress report for December 1953

Progress reported this period under the subject contract, 15 feet of drifting on the 80-foot level of the World mine, was confirmed during an inspection of the property January 4, 1954. A short drift, begun by the operator on a footwall split of the Brandt vein, was advanced 15 feet under the contract. The extent of this work is shown correctly on the operator's map.

Contrary to the description given of this vein in the operator's narrative, the structure was weak and contained only a fraction of an inch of mineral along the 80-foot level drift. The mineral improved slightly above the back of the drift, and it was stoped into the raise occurring on the hanging wall split of the Brandt vein. The breast of the drift contains about 1/4 inch of ferberite. According to the old maps, this drift should have connected into an old stope on the Cross No. 3 vein. The miner in this heading reported that one drill hole in the final round appeared to have broken into old workings.

On the date of inspection, the small ore shoot, uncovered on the Brandt vein above the 80-foot level in the World mine, appeared to have been fully extracted. It is understood that all of the ore extracted has been marketed and that settlement has been received thereon. In all, 134 tons of ore averaging 1.15 percent tungsten trioxide were produced. The total production to date summarized below, grossed $3,744.53 and netted $3,484.91. The Government has received $172.92 as royalty. The production apparently was sufficient to repay the operator's share of the cost of the exploration project.

Production Summary

Date	Lot No.	Net dry weight (pounds)	WO_3 content (percent)	WO_3 content (pounds)	Gross value	Deductions	Net value	Government royalty
Reported previously		226,833	-	2,646.49	$3,236.93	$236.55	$3,000.38	$148.69
11-24-53	834	15,106	1.40	211.48	243.20	8.46	234.74	11.74
12-17-53	835	26,952	0.90	242.57	264.40	14.61	249.79	12.49
	Total	268,891	-	3,100.54	$3,744.53	$259.62	$3,484.91	$172.92

Costs totaling $480.00 (15 feet of drifting at $32.00 per foot) are reported for the period. Both the footage and the unit cost are authorized by the contract. Documentation of costs is not required for contracts prepared on the short form. Work has been accomplished as authorized in the contract and payment of 75 percent of the total amount reported on form MF-104, or $360.00, is recommended.

Progress reported this period completes all work presently authorized in the contract or amendments thereto. A request by the operator for an amendment to permit additional deeper exploration of the Brandt vein at an estimated cost of $35,880.00 has been recommended for denial. According to the operator's narrative, work at the mine was suspended December 24, 1953. That date may be considered the date of completion of work under the subject contract. Final payment to the operator should be withheld pending the completion of all details relative to the closing of the contract.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc 6
E570
DMEA Chron.

RLB/pam

January 15, 1954

Defense Minerals Administration
Denver, Colorado

and

Paul H. Bennett
1825 Marine Street
Boulder, Colorado

DMEA Docket 3001
Contract No. Idm - E570

Report for the Month of December, 1953

World Mine Exploration

All DMEA work this month was confined to drifting NE on the footwall split of the Brandt Vein. This vein showed good ore in the raise above. The drift was extended 15 feet (DMEA Contract) to a total of 39 feet, the previous work having been done under company account. Ore was encountered for all of this distance, and it appeared that it was larger and of better value on the floor of the drift than at higher points. Following the completion of the drift, the ore above was stoped out and marketed, as shown on Section C-D of accompanying map. This ore extended into the raise vertically above and substantiated the belief that the vein was a split from the footwall into the Brandt Vein.

Work was suspended December 24, 1953, waiting decision on the amendment requested for driving the 4th level of the adjacent Cross Mine to explore this area at an additional depth of 200 feet.

Respectfully submitted,

Paul H. Bennett

Paul H. Bennett

PHB:bh

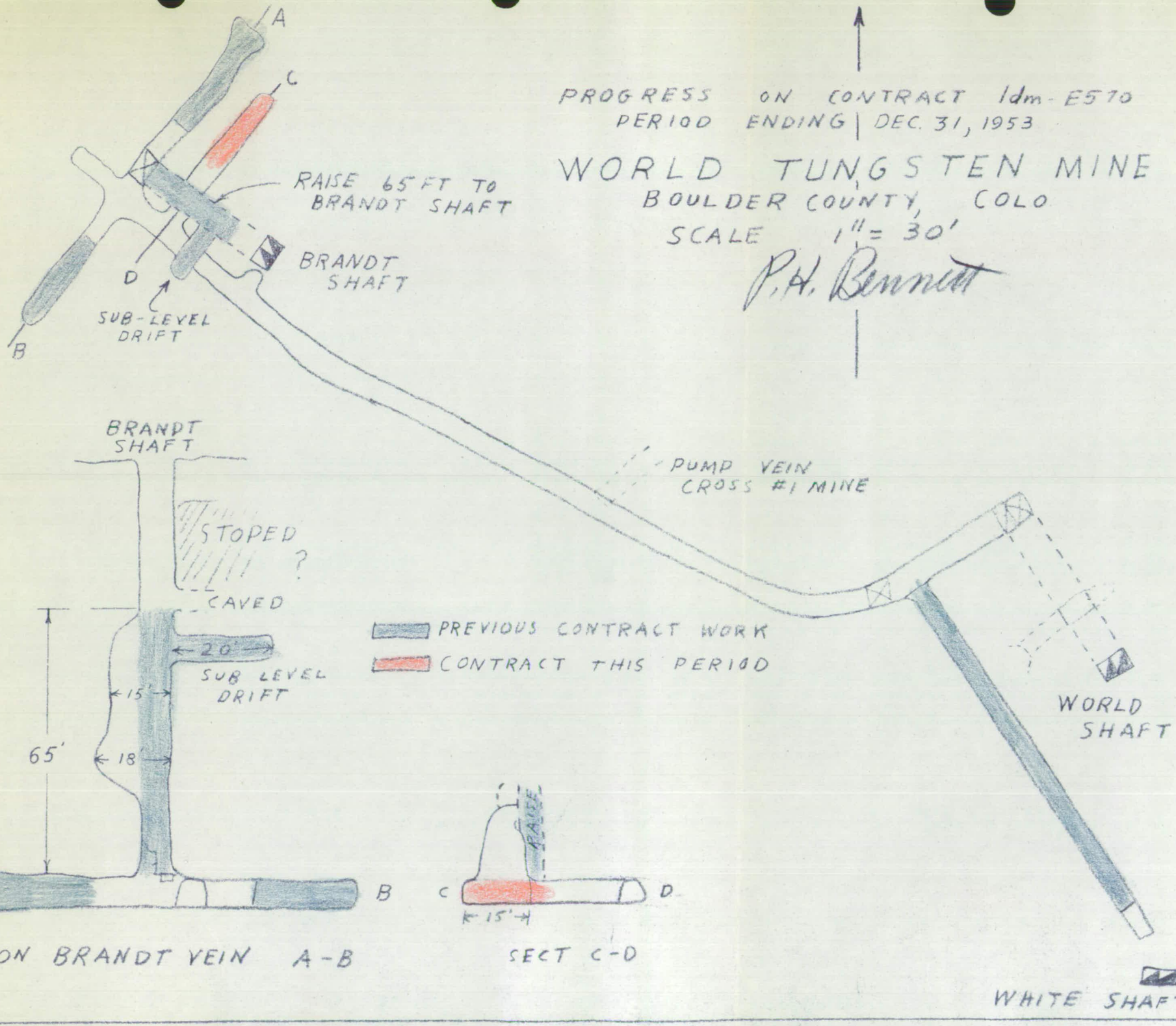
PROGRESS ON CONTRACT Idm-E570
PERIOD ENDING | DEC. 31, 1953

WORLD TUNGSTEN MINE

BOULDER COUNTY, COLO

SCALE 1" = 30'

P.H. Bennett



SECTION BRANDT VEIN A-B

SECT C-D

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

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

RECEIVED
JAN 6 1954

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

Month of November, 1953 Docket No. DMEA 3001 Contract No. Idm-E570
Operator's Name Paul H. Bennett Minerals Tungsten
Address 1825 Marine St., Boulder, Colorado
Contract Amount, $ 8200.00 Government Participation: 75 % Amount, $ 6150.00

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						
~~Boxing~~ Raising	—	2210.00	2210.00			
Crosscutting	—	3072.00	3072.00			
Drifting	—	1728.00	1728.00			
Sub-Level Drifting	680.00	—	680.00			
(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	680.00	7010.00	7690.00	680.00	7010.00	7690.00

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

Date Dec. 15, 1953 *Payee Paul H. Bennett

Paul H. Bennett

Per _____ Title _____

*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:

$ 510.00

Signature _____
(Authorized Certifying Officer)

Date 12/29/53 Vou. No. DMA 54-66

(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-570 in accordance with the terms of the contract.

Signature R. P. Holmes $510.00 Mining Engineer Date DEC 18 1953

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

Signature W. H. King Title Executive Officer Date DEC 28 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

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
DEC 6 1954

Month of November 1953 Docket No. DMEA 3001 Contract No. Idm-E570
Operator's Name Paul H. Bennett Minerals Tungsten
Address 1825 Marine St., Boulder, 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	ft.	—	—	1728.00	54	32.00	69	32.00
Crosscutting	ft.	—	—	3072.00	96	32.00	96	32.00
Raising	ft.	—	—	2210.00	65	34.00	65	34.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sub-Level Drifting	ft.	680.00	20	680.00	20	34.00	20	34.00
TOTAL DISTRIBUTED COSTS		680.00		7690.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		680.00		7690.00				

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

Date Dec. 15, 1953 Operator Paul H. Bennett
Paul H. Bennett
Per Title

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

December 28, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3001 (Tungsten), Contract Idm-E570, Paul H. Bennett (World Mine), Boulder County, Colorado. Operator's Monthly Progress Report for the period November 1953.

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

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

Remarks:

Date of Report	December 15, 1953.
Date Received in Field Office	December 17, 1953.
Date Received in Region Office	December 24, 1953.

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
December 23, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 3001, Contract Idm-E570 (Tungsten), Paul H. Bennett (World mine), Boulder County, Colorado - Progress report for November 1953

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

The 20 feet advance of sublevel drifting, the only work accomplished under the contract, as reported by the operator in his narrative and entered on the MF-104A form, is confirmed by Bolmer. Entries and extensions on the reporting forms are correct. All are in conformance with the terms of the short form contract and amendment. The physical conditions encountered during the period are adequately described and apparently most of the time was devoted to ore production from the Brandt vein northeast of the raise although, in addition, the contractor extended the 96-foot crosscut south from the World shaft on company account. ?

Settlement records show a total of 226,833 pounds of ore shipped, yielding a net return of $3,000.38, with a royalty to the Government of $146.52. Bolmer mentions a situation in the financial set up of Bennett's company with respect to another Region IV contract Idm-E54 which I believe was not generally known when the subject contract was negotiated. Bennett is evidently a minority stockholder. Whether the entire situation requires investigation or not is an administrative problem but at least the deduction for ore transportation should be given some scrutiny. ?

Your attention is also called to the fact that the operator, in his narrative, stresses the extension of ore downward below the World mine workings. This, according to Bolmer, is propaganda in favor of an amendment he has requested for exploration at a lower elevation from the Cross shaft. ?

Was apparently silent on these points!

Payment is approved and certified on the MF-104 form of $510.00, or 75 percent of the total $680.00 claimed by the contractor.

Scott W Hagen
for W. M. Traver

Enclosure

WMT/le
cc 6
E570
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 171
Denver Federal Center
Denver 14, Colorado
December 18, 1953

Memorandum

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

From: H. L. Bolmer

Subject: DMEA 3001, Contract Idm-E570 (Tungsten), Paul H. Barnett (World mine), Boulder County, Colorado - Progress report for November 1953

Progress reported this period under the subject contract, 20 feet of sublevel drifting, was confirmed during an inspection of the property December 1, 1953. The sublevel, begun some 54 feet above a 1st level drift on the Brandt vein, was advanced southwest from the exploration raise completed earlier. Along the sublevel, the Brandt vein was narrow and barren of tungsten mineral.

The operator is continuing to stope the Brandt vein northeast of the raise. The ore remaining in this section is very spotty and operations here probably will be stopped shortly. It was reported that 72 cars of waste and 42 cars of ore were pulled from the raise during November. The present extent of the stope is shown on the operator's map.

The 96-foot crosscut south from the World shaft, completed earlier during the project, was extended 17 feet during the period. Only tight, oxidized fractures were cut. The work was not under the contract.

Production resulting from the exploration raise and the subsequent stope on the Brandt vein, for which settlement has been received to date, is as follows:

Date	Lot No.	Net Dry Weight (pounds)	WO_3 Content (percent)	WO_3 Content (pounds)	Net Value	Government Royalty (received)
Reported previously		100,083	1.07	1,071.66	$1,075.92	$ 52.46
10/26/53	Metzer 754	13,738	0.83	114.03	94.91	4.75
10/28/53	" 756	15,942	2.20	350.72	453.74	22.69
11/ 5/53	" 776	41,102	0.64	263.05	216.88	8.67
11/ 7/53	" 782	54,730	1.05	574.67	630.57	31.53
11/11/53	" 787	1,238	22.00	272.36	528.38	26.42
Total to date		226,833	1.17	2,646.49	$3,000.34	$146.52

It is noted that hauling charges, deducted by the mill before computing the Government's percentage royalty on lots 754, 756, 776, and 782, are indicated on the settlement sheets as being paid to "Cold Springs." It is not generally known that Cold Spring Tungsten, Inc., operator under contract Idm-E54, has a 45 percent financial interest in the subject contract; G. C. Ridland, manager for Cold Spring Tungsten, Inc., a 10 percent interest; and F. H. Bennett, the recorded operator of the subject contract, only a 45 percent interest. It is questionable whether an operator, silent or otherwise, should be allowed such a deduction for transporting his own ore.

The operator's narrative gives a misleading impression regarding the extension with greater depth of the small ore shoot discovered on the Brandt vein. Ore was not encountered by a 1st level drift driven northeast on the Brandt vein. A raise was later driven from this drift and it first encountered ore some 20 feet above the level. Later the operator began a 1st level drift on what he called a footwall split of the Brandt vein. It contained some ferberite mineral which hardly could be considered commercial. The present exposures of the Brandt vein in the World mine do not indicate the extension of ore with greater depth. The Brandt vein appears to be a split of a vein developed extensively to greater depths from the nearby Cross shaft and which proved barren in deeper sections adjacent to the World mine.

Costs totaling $680.00 (20 feet of sublevel drifting at $34.00 per foot) are reported for the period. Both the footage and the unit cost are authorized by the contract. Documentation of costs is not required for contracts prepared on the short form. Work has been accomplished as authorized in the contract and payment of 75 percent of the total amount reported on form MF-104, or $510.00, is recommended. The recommended amount is subject to review by the regional office and to verification of the applicable rates and the arithmetical accuracy of the computations.

R. L. Bolmer
Mining Engineer

RLB/le

cc 6
E570
Chron

December 15, 1953

Defense Minerals Administration
Denver, Colorado

and

Paul H. Bennett
1825 Marine Street
Boulder, Colorado

DMEA Docket 3001
Contract No. Idm - E570

Report for the Month of November, 1953

World Mine Exploration

The greater part of the work this month was the production of ore from the raise which was completed last month. Since we had 35 feet of raise remaining from our 100 feet allowed, permission was asked to use 20 feet in sub-level drifting under the old Brandt stope and the remaining 15 feet for drifting the lower level. The 20 feet of sub-level drifting was accomplished this month, it being the only D.M.E.A. work for the period.

All indications are that the ore which we have found extends downward, and an amendment has been requested to explore the horizons 200 feet below by working through the Cross shaft. This is thought to be much cheaper exploration than we could obtain by sinking directly on the ore.

Respectfully submitted,

Paul H. Bennett

P. H. Bennett

PHB:bh

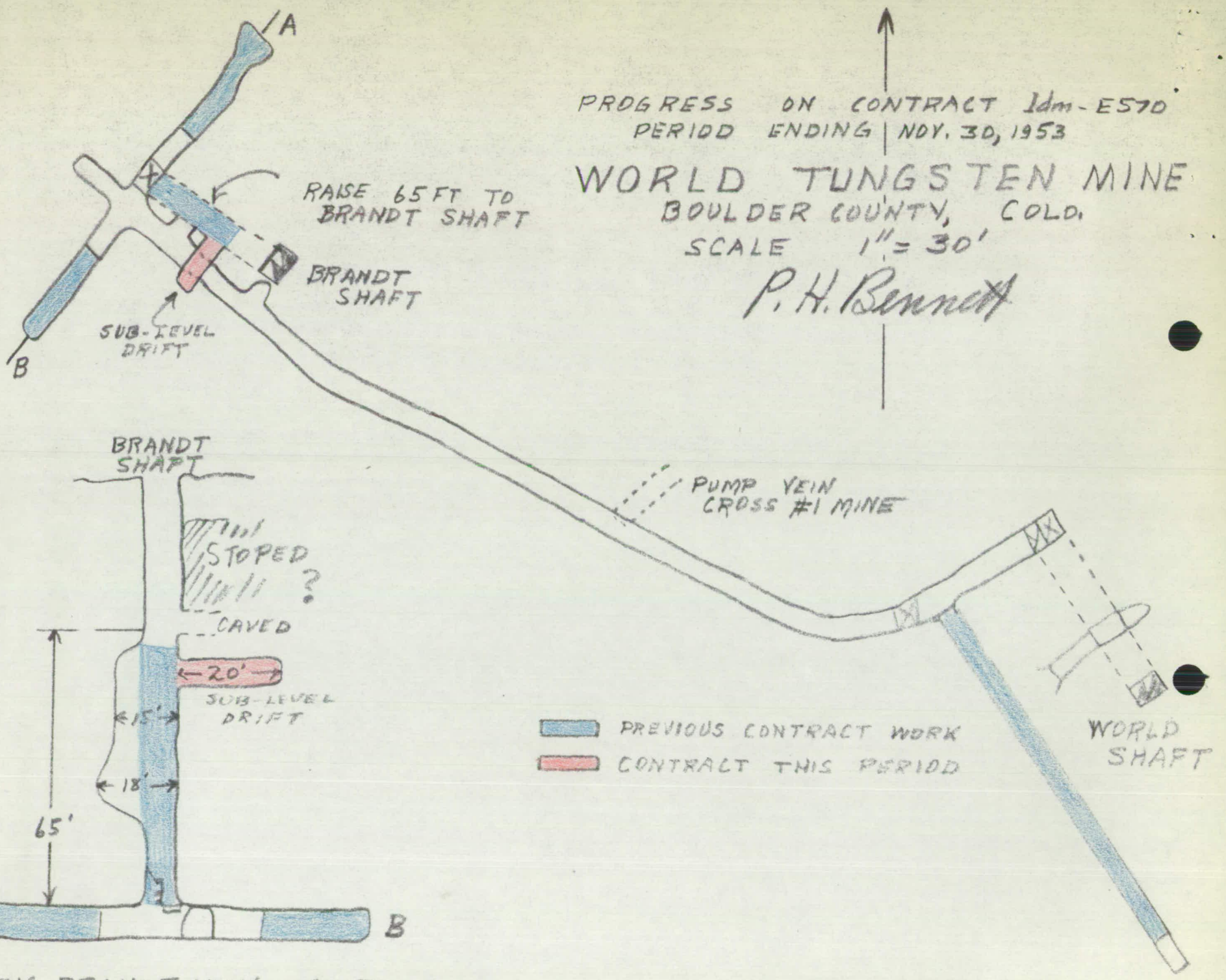
PROGRESS ON CONTRACT Idm-E570
PERIOD ENDING NOV. 30, 1953

WORLD TUNGSTEN MINE

BOULDER COUNTY, COLO.

SCALE 1" = 30'

P. H. Bennett



SECTION BRANDT VEIN A-B

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1953 Docket No. DMEA 3001 Contract No. DMA-5370
Operator's Name Paul H. Bennett Minerals Tungsten
Address 1025 Marine St., Boulder, Colorado
Contract Amount, $ 8200.00 Government Participation: 75 % Amount, $ 6150.00

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		3072.00	3072.00			
Drifting	922.00	800.00	1722.00			
Raising	244.00	1972.00	2216.00			
(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	1166.00	5844.00	7010.00	1166.00	5844.00	7010.00

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

Date Nov. 13, 1953 *Payee Paul H. Bennett
Paul H. Bennett
Per _____ Title _____

*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:

$ 874.50

Signature _____
(Authorized Certifying Officer)

Date 11/25/53 Vou. No. DMA 54-52

(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. 8-570 in accordance with the terms of the contract.

Signature: R. P. Bolmer, #874.50 Title: Mining Engineer Date: NOV 17 1953

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

Signature: for W. H. King. Title: Executive Officer Date: NOV 20 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of _____ 195____ Docket No. DMEA _____ Contract No. _____
Operator's Name _____ Minerals _____
Address _____

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
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								

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 _____ Operator Paul H. Bennett

Per _____ Title _____

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
DEC 3 - 1953

224 New Customhouse
Denver 2, Colorado

November 20, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3001, Contract Idm-E570 (Tungsten), Paul H. Bennett (World Mine), Boulder County, Colorado. Operator's Monthly Progress Report for the period October 1953.

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

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

Remarks:

Date of Report	November 13, 1953.
Date Received in Field Office	November 16, 1953.
Date Received in Region Office	November 19, 1953.

J. W. Townsend
For 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
November 18, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 3001, Contract Ida-R570 (Tungsten), Paul M. Bennett (World mine), Boulder County, Colorado -- Progress report for October 1953

Transmitted herewith are the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative, sketch--and the original and six copies of R. L. Bolmer's memorandum covering inspection of the underground progress and reporting form.

The advance reported by the operator in his narrative and entered on the MF-104A forms, 7 feet of raising and 29 feet of drifting, is confirmed by the inspecting engineer, as are entries and extensions on the reporting forms. All are in conformance with the terms of the contract or amendments thereto. The physical conditions encountered in the month's operation are adequately described. It appears that the ore encountered in raising is of limited extent.

Payment is recommended and certified on the MF-104 form of $874.50, or 75 percent of the total $1,166.00 claimed by the contractor.

Lloyd A Everett for
W. M. Traver

enclosures

WMT/kp

cc 4
R570
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
November 17, 1953

Memorandum

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

From: R. L. Palmer

Subject: BMSA 3001, Contract Lim-2570 (Tungsten), Paul H. Bennett (World mine), Boulder County, Colorado -- Progress report for October 1953

Progress reported this period under the subject short-form contract, 7 feet of raising and 29 feet of drifting, was confirmed during an inspection of the property November 3, 1953. The conditions encountered during the period are described correctly in the operator's narrative.

The Brandt vein, as exposed in drifting northeast this period, consisted of a zone of barren quartz, gouge, and brecciated wall rock up to widths of 2-1/2 feet. An occasional small patch of crystalline ferberite was observed within the zone. The lateral extent of the ore shoot opened by the raise on the Brandt vein has proven very limited. Stoping was begun from the raise this period. Had the raise been driven 3 or 4 feet wider, most of the ore in the shoot would have been extracted. A footwall split of the vein showing some ferberite passed below the limits of the raise. This split may be represented by a vein containing ferberite which is exposed in a 1st level crosscut.

The production resulting from the exploration raise on the Brandt vein, for which settlement has been received to this date, is as follows:

Date	Lot Number	Net Weight (dry pounds)	WO_3 Content (percent)	WO_3 Content (pounds)	Gross Value	Net Value	Government Royalty (received)
9/14/53	Entzer 664	20,966	0.79	165.63	$ 170.60	$ 138.73	$ 6.94
9/17/53	672	10,190	0.98	99.86	114.84	91.47	4.57
9/24/53	692	11,883	0.65	76.85	63.02	38.41	1.92
9/25/53	694	12,553	1.07	134.32	154.47	129.31	6.47
9/28/53	701	20,130	1.50	302.95	377.44	361.06	18.05
9/30/53	704	24,421	1.80	893.05	337.01	316.94	15.85
Total		100,083		1,071.66	$1,217.38	$1,075.92	$53.80

The above 50 dry tons of ore shipped through September 30, 1953, representing run of mine ore upgraded by screening and hand-sorting, has averaged 1.07 percent WO_3. The royalty received by the Government has been computed correctly at 5 percent of the net value on all but lot 698. On lot 698, the net value per dry ton is only $6.50 and the royalty due the Government should have been computed at 1-1/2 instead of 5 percent of the net value. The correct royalty on this lot is only $0.98 resulting in an overpayment to the Government of $1.34.

Costs totaling $1,166.00 (29 feet of drift at $32.00 per foot, plus 7 feet of raise at $34.00 per foot) are reported for the period. Both the footage and the unit costs reported are authorized by the contract or amendments thereto. Work has been accomplished as authorized in the contract and payment of 75 percent of the total amount reported on form MF-104, or $874.50, is recommended subject to review by the Regional Office and verification of the applicable rates and the arithmetical accuracy of computation.

R. L. Belmer

R. L. Belmer
Mining Engineer

RLB/kp

cc 6
B570
BMMA Chron

November 15, 1953

Defense Minerals Administration
Denver, Colorado

and

Paul H. Bennett
1825 Marine Street
Boulder, Colorado

DMA Docket 3001
Contract No. Idm - 1570

Report for the Month of November, 1953

World Mine Exploration

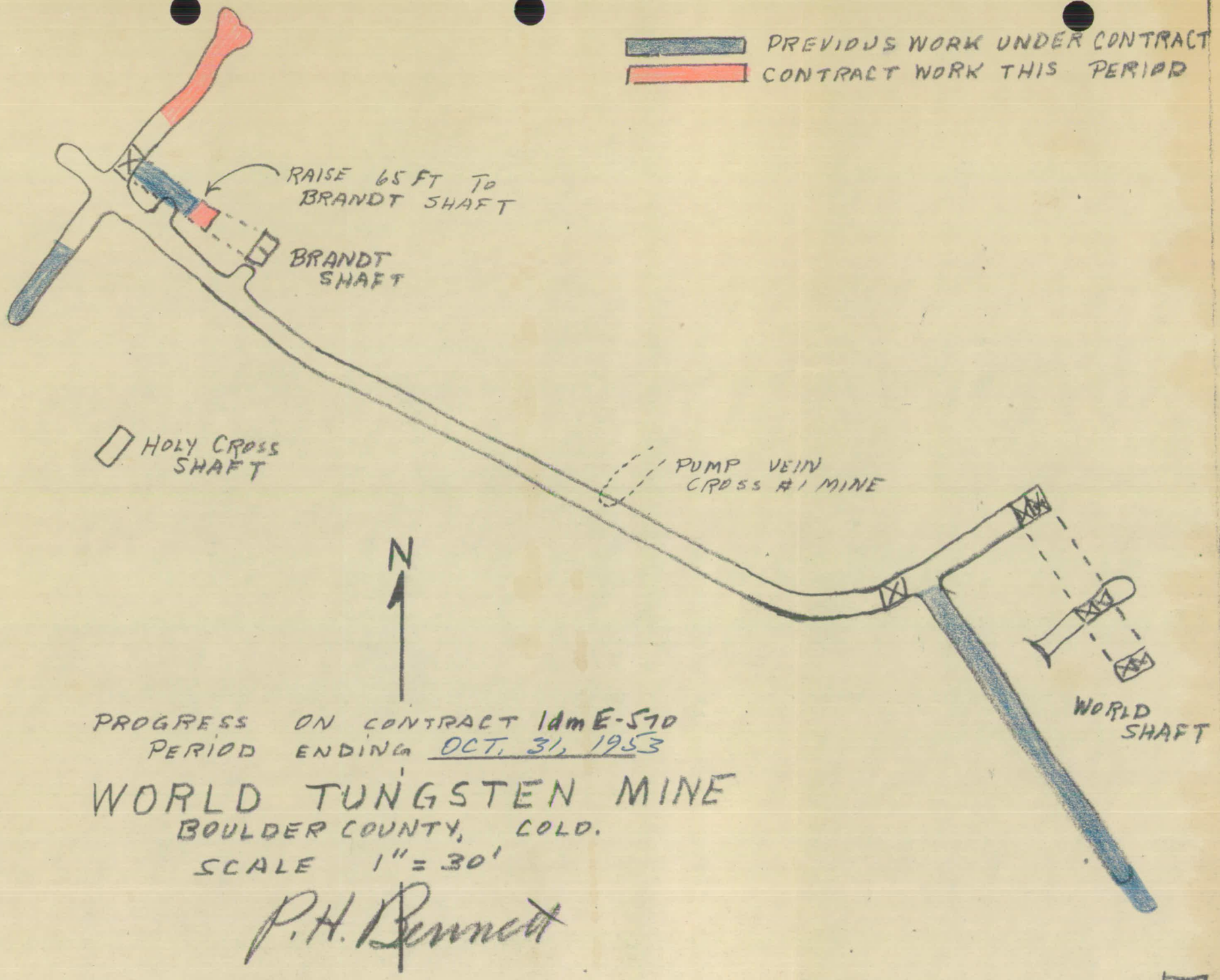
The greater part of this month was used in removing ore from the raise driven last month. We advanced this raise 7 feet during this period connecting with the bottom of the Brandt Shaft. We also advanced the drift on the Brandt vein 29 feet northeast encountering some low grade ore here.

As of date of this report we have been drilling long holes, using jointed steel, so that the remaining footage under our contract can be used to best advantage. We will probably submit a request for amendment within a few days, as soon as the information obtained by the drilling has been evaluated.

Respectfully submitted,

Paul H. Bennett

P. H. Bennett



PROGRESS ON CONTRACT Idm E-570
PERIOD ENDING OCT. 31, 1953

WORLD TUNGSTEN MINE

BOULDER COUNTY, COLO.

SCALE 1" = 30'

P. H. Bennett

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 26 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September 3 1953 — Docket No. DMEA 3001 — Contract No. Idm - E570

Operator's Name Paul H. Bennett — Minerals Tungsten

Address 1625 Marine Street, Boulder, Colorado

Contract Amount, $ 8200.00 — Government Participation: 75 % — Amount, $ 6150.00

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		3072.00	3072.00			
Crosscutting	800.00		800.00			
~~Drifting~~ Raising	1972.00		1972.00			
(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	2772.00	3072.00	5844.00	2772.00	3072.00	5844.00

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

Date Oct. 15/53 *Payee Paul H. Bennett

Per _____ Title _____

*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:

$ 2079.00

Signature _____ (Authorized Certifying Officer)

Date 10/23/53 Vou. No. DMA 54-41

(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. E-570 in accordance with the terms of the contract.

Signature R. R. Bolney $2,079.00 Title Mining Engineer Date OCT 16 1953

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

Signature W. H. KING Title Executive Officer Date OCT 20 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 30 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 195 3 Docket No. DMEA 3001 Contract No. Dm - 8570
Operator's Name Paul H. Bennett Minerals Tungsten
Address 1625 Marine Street, Boulder, 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	ft.	800.00	25	800.00	25	32.00	94	32.00
Crosscutting	ft.			3072.00	96	32.00	96	32.00
Raising	ft.	1972.00	58	1972.00	58	34.00	100	34.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2772.00		5844.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2772.00		5844.00				

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. 15, 1953 Operator Paul H. Bennett
Paul H. Bennett

Per ..... Title .....

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

October 20, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3001, Contract Idm-E570 (Tungsten), Paul H. Bennett (World Mine), Boulder County, Colorado. Operator's Monthly Progress Report for the period September 1953.

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

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

Remarks:

Date of Report	October 15, 1953.
Date Received in Field Office	October 16, 1953.
Date Received in Region Office	October 20, 1953.

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

Enclosures

RDB:cwm

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

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
October 19, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 3001, Contract Idm-E570 (Tungsten), Paul H. Bennett (World mine), Boulder County, Colorado - Progress report for September 1953

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

The advance reported by the operator in his narrative and entered on the MF-104A forms of 58 feet of raising and 25 feet of drifting is confirmed by the inspecting engineer, as are entries and extensions on the reporting forms. All are in conformance with the terms of the contract or amendments thereto. The physical conditions encountered in the month's operations are adequately described; ore was encountered in the raising.

Payment is recommended and certified on the MF-104 form of $2,079.00, or 75 percent of the total $2,772.00 claimed by the contractor.

W. M. Traver

W. M. Traver

cc: 4
E570
DMEA Chron.

WMT/cb

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
October 19, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 3001, Contract Idm-E570 (Tungsten), Paul H. Bennett (World mine), Boulder County, Colorado - Progress report for September 1953

Progress under the subject short form contract was inspected October 1, 1953. The progress during September, as reported on form MF-104A, 25 feet of drifting and 58 feet of raising, was verified.

The Brandt vein, exposed in drifting during the period, is narrow and contains very minor amounts of ferberite near the breast of the drift. The operator's narrative, with map attached, correctly and adequately describes the progress and the conditions encountered during the period. Assay results for samples taken of the Brandt vein during the inspection have not been received.

Costs totaling $2,772.00 (25 feet of drift at $32.00 per foot, plus 58 feet of raise at $34.00 per foot) are reported for the period. Both the footage and the unit costs reported are authorized by the contract, or amendments thereto. Documentation of costs is not required under contracts prepared on the short form. Work has been accomplished as authorized in the contract and payment of 75 percent of the total amount reported on form MF-104, or $2,079.00, is recommended, subject to review by the Regional Office and verification of the applicable rates and the arithmetical accuracy of computations.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc: 6
E570
DMEA Chron.

RLB/cb

October 15, 1953

Defense Minerals Administration
Denver, Colorado

and

Paul H. Bennett
1825 Marine Street
Boulder, Colorado

DMEA Docket 3001
Contract No. Idm - 2570

Report for the Month of September, 1953

World Mine Exploration

After stopping work on the cross-cut as reported in last month's narrative we began work this period by starting a raise to the Brandt Shaft. This raise is two compartment and a chute and ladders were installed. This work continued upward for 58 feet and should be almost ready to break through into the old shaft. An examination was made of the old workings to be sure that there would be no danger from water or debris when the connection was made. Ore was encountered on this raise at a point 18 feet above the track level and has continued as far as we have gone. This ore averages only one foot wide, but is of good grade. In driving this raise it was necessary, therefore, to mine considerable waste, but all of the broken material was saved. We have shipped a quantity of this material, and it ranges from .65% WO_3 to 1.20% WO_3.

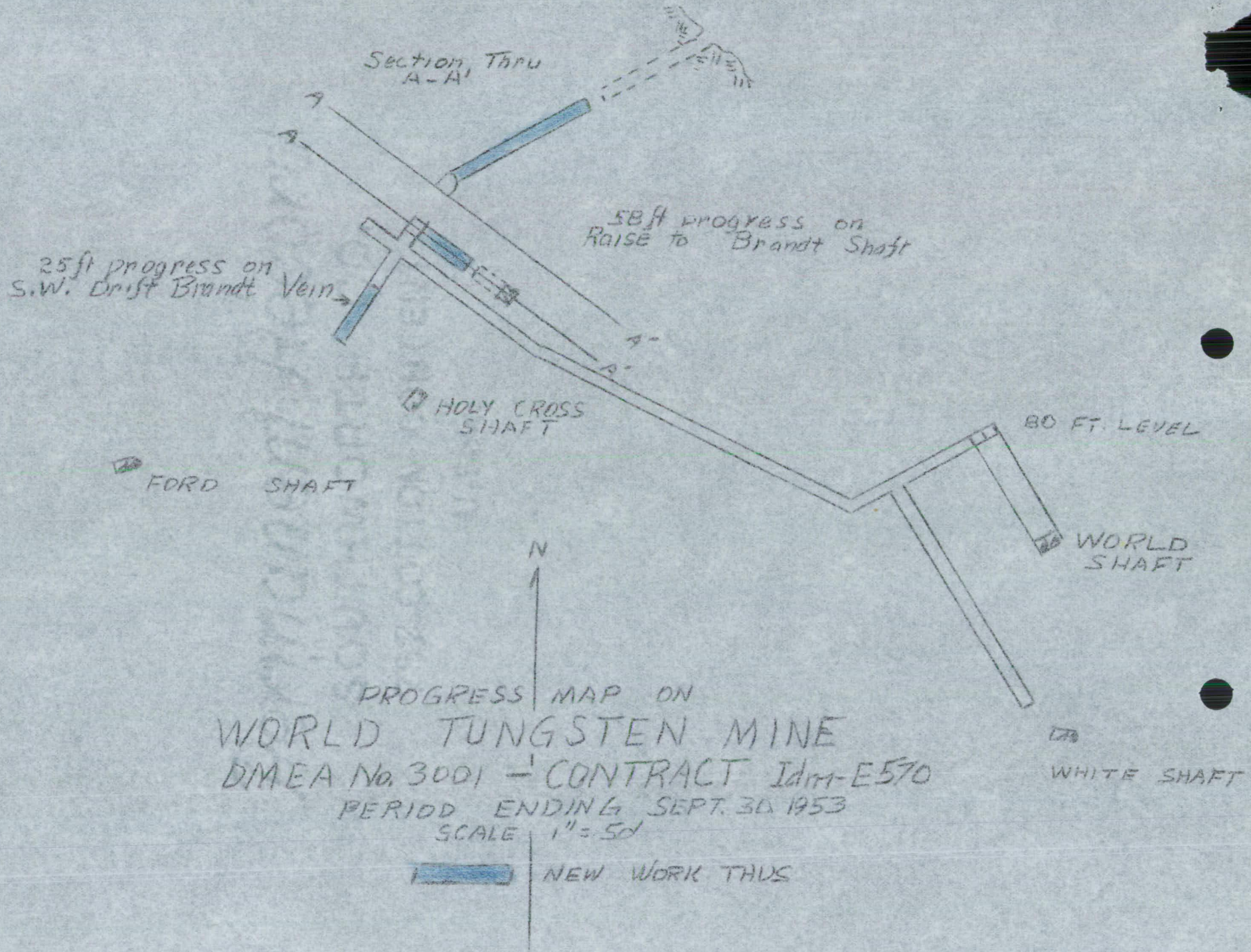
We also have driven the 25 feet of drift Southwest on the Brandt Vein as allowed in our Contract Amendment No. 1.

As of the date of this report we have connected the raise of the old shaft showing commercial ore all of the way.

Respectfully submitted,

Paul H. Bennett

P. H. Bennett



PROGRESS MAP ON
WORLD TUNGSTEN MINE
DMEA No. 3001 — CONTRACT Idm-E570
PERIOD ENDING SEPT. 30 1953
SCALE 1" = 50'

Paul H. Bennett

Form MF-102 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-55.

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

RECEIVED
OCT 2 1953

Date Rec'd
SEP 1953
BUREAU OF MINES
Denver, Colorado

DIST. ENGR.	WWT
EXAMINATION	
DIST. CLERK	
PERSONNEL	
FILES	

Month of July & August, 1953 Docket No. DMEA 3001 Contract No. Idm - E570
Operator's Name Paul H. Bennett Strategic Minerals Tungsten
Address 1825 Marine Street, Boulder, Colorado
Contract Amount, $ 8200.00 Government Participation: 75 % Amount, $ 6150.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) [redacted] Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting	3072.00	---	3072.00			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3072.00	----	3072.00	3072.00	---	3072.00

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

Date Sept. 15/53 *Payee Paul H. Bennett

Paul H. Bennett

Per _____ Title _____

*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:

$2,304.00

Signature _____
(Authorized Certifying Officer)

Date 9/24/53 Vou. No. DMA-3431

(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-570 in accordance with the terms of the contract.

Signature R. T. Bolney $2,304.00 Title Mining Engineer Date SEP 17 1953

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

Signature W. H. King Title Executive Officer Date SEP 21 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

Mineral Resources Branch
Date Rec'd
SEP 16 1953
BUREAU OF MINES
Denver, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 8 1953

DIST. ENGR. WAS
EXAMINATION
DIST. CLERK
PERSONNEL
FILES E570

UNITED STATES DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July&August 1953 Docket No. DMEA 3001 Contract No. Idm - E570

Operator's Name Paul H. Bennett Minerals Tungsten

Address 1825 Marine Street, Boulder, 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	ft.						20	32.00
Crosscutting	ft.	3072.00	96	3072.00	96	32.00	130	32.00
Raising	ft.						100	34.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3072.00		3072.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		3072.00		3072.00				8200.00

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

Date Sept. 15/53 Operator Paul H. Bennett

Paul H. Bennett

Per Title

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 Exploration Administration
RECEIVED
OCT 2 1953

224 New Customhouse
Denver 2, Colorado

September 21, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 3001, Contract Idm-E570 (Tungsten), Paul H. Bennett, (World Nine), Boulder County, Colorado. Operator's Monthly Progress Report for the period July and August 1953.

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

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

Remarks:

Date of Report	September 15, 1953.
Date Received in Field Office	September 16, 1953.
Date Received in Region Office	September 18, 1953.

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
September 18, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 3001, Contract Idm-E570 (Tungsten), Paul H. Bennett (World mine), Boulder County, Colorado - Progress report for July and August 1953

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

Bolmer confirms the 96 feet advance of the crosscut to the White vein as reported in his narrative and entered on the MF-104A form. He also finds entries and extensions on this reporting form correct.

Payment is recommended and certified on the MF-104 form of $2,304.00, or 75 percent of the total $3,072.00 claimed by the contractor.

for R. L. Bolmer
W. M. Traver

Enclosures

WMT/le

cc 4
E570
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
September 17, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 3001, Contract Idm-E570 (Tungsten), Paul H. Bennett (World mine), Boulder County, Colorado - Progress report for July and August 1953

The progress reported by the operator for July and August 1953, 96 feet of crosscutting to the White vein, was confirmed during an inspection of the property September 1, 1953. The progress has been reported correctly on form MF-104A. The operator's narrative, with attached map, correctly and adequately describes the progress and the conditions encountered during the period.

Costs totaling $3,072.00 (96 feet of crosscut at a unit cost of $32.00 per foot) are reported for the July and August period. Both the footage and unit cost of crosscutting reported are authorized by the contract. Documentation of costs is not required for contracts prepared on form MF-200(A). Work has been accomplished as authorized in the contract and payment of 75 percent of the total amount reported on form MF-104, or $2,304.00, is recommended, subject to review by the regional office and verification of the applicable rates and the arithmetical accuracy of computations.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/le

cc 6
E570
DMEA Chron.

September 1, 1953

Defense Minerals Administration,
Denver, Colorado

and

Paul H. Bennett,
1825 Marine Street,
Boulder, Colorado

DMEA Docket 3001
Contract No. Idm - E570

Report for the Months of July and August, 1953

World Mine Exploration

We began work on July 21, 1953, with three men. Several days were required to replace the pump motor because of an electrical burnout. We then proceeded on the southeast drift "Item D" on the contract, and drove this a total of 96 feet. We cut a large vein at 65 feet which vein projected upward would cut White Shaft. In as much as this was the vein for which we were looking and because it showed no mineralization or other signs of ore, we decided to stop work on this crosscut and to begin the raise on the Brandt vein.

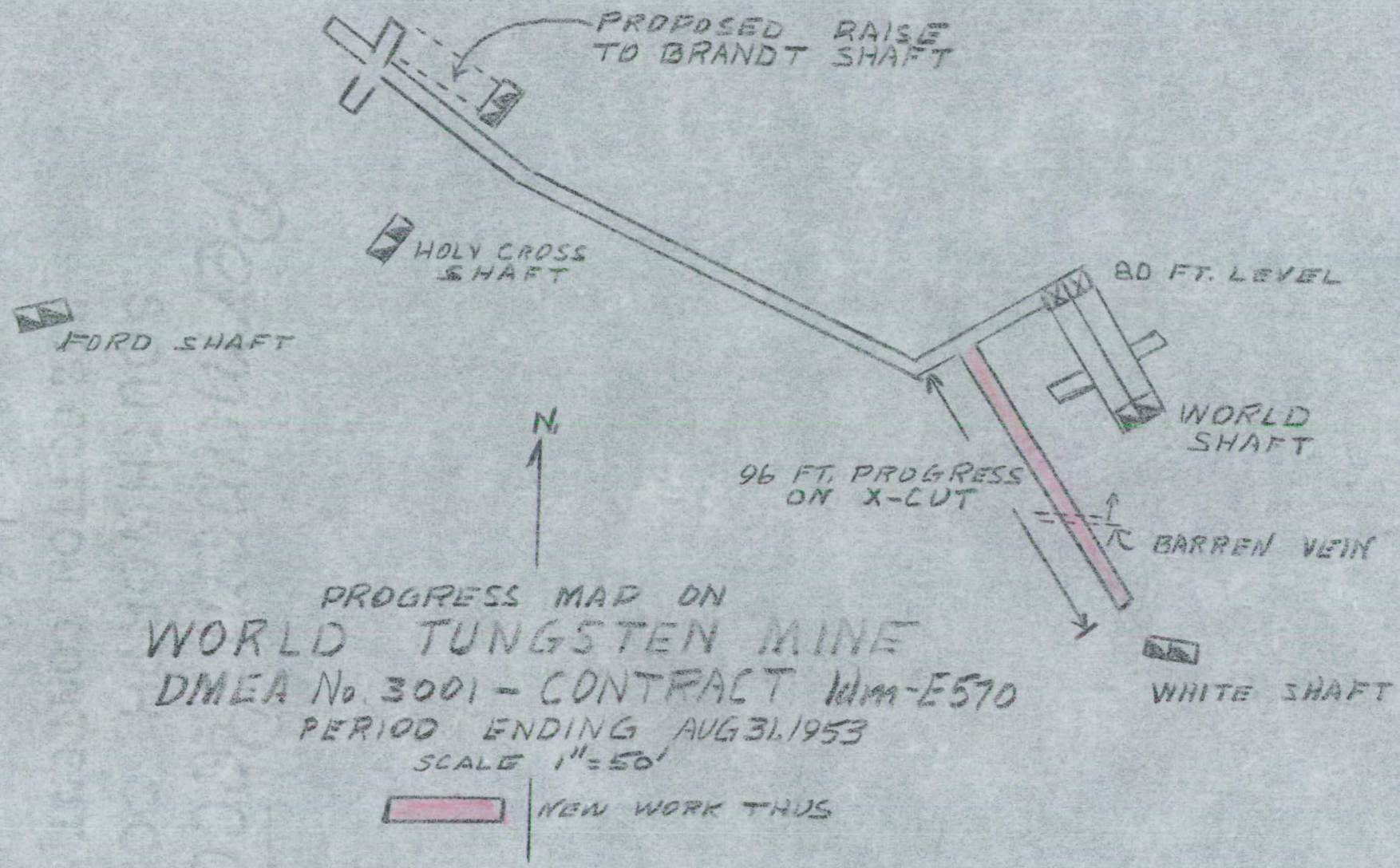
The crosscut work was all work performed during this reported period. As of the date of this report the raise is showing good ore.

Respectfully submitted,

Paul H. Bennett

P. H. Bennett

PHB:ab



PROGRESS MAP ON
WORLD TUNGSTEN MINE
DMEA No. 3001 - CONTRACT Wm-E570
PERIOD ENDING AUG 31, 1953
SCALE 1" = 50'

Paul H. Bennett

OCT 25 1963

Mr. Paul H. Bennett
308 West 17th Place
Temple, Arizona

Re: DMEA-3001 (Tungsten)
Paul H. Bennett
World Mine
Boulder County, Colorado
Contract Ida-E570

Dear Mr. Bennett:

Thank you for the completed MME Form 63, enclosed with your letter of September 6, 1963.

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated September 15, 1954, all minerals mined or produced from July 14, 1953, to July 14, 1963, 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.

Director

FMMurphy/mm
10/24/63
cc: Director's Reading File
Region III w/cy of Form 63 and ltr dated 9/6/63
CA&A Division
Docket
Code 300
Cold Spring Tungsten, Inc., 630 Fifth Ave., N.Y., N.Y.

GOVERNMENT COPY

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

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

To: Mr. Paul H. Dennett
1125 Marine Street
Boulder, Colorado

Pursuant to the provisions of Exploration Project Contract No. Idm-[illegible], dated July 14, 1953 (Docket No. DMEA [illegible]), hereinafter called the "Contract," between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon 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 discovery or development is described broadly or indicated as follows:

Exploration work consisting of drifting, raising, and sublevel drifting on the Brandt vein resulted in the discovery of a small body of ferberite ore. Most of the ore was mined during the exploration work and yielded a quantity of tungsten trioxide.

THE UNITED STATES OF AMERICA

Dated: SEP 1 5 1954

By Frank E. Johnson
ACTING Administrator, Defense Minerals Exploration Administration

cc: DOCKET
FT, REG. 4
CODE 400--Mr. Martin
FINANCE OFFICE
OPER. COMMITTEE
ADM. READ. FILE
IRVING GUMBEL, EPS, GSA

cc: CODE 800--Mr. Chambers
CODE 110--Mr. Johnson
J.H.HEDGES, USBM
R.W.GEEHAN, USBM
T.P.THAYER, USGS
THOR KIILSGAARD, USGS
HETZER MINES, INC. (Owner-Lessor)

JHopkins/ls
9-9-54

SEP 16 1954

Mr. Paul H. Bennett
1 25 Marine Street
Boulder, Colorado

Re: Docket No. DMA 3001 - Tungsten
World Mine
Boulder County, Colorado
Contract No. Idm-[illegible]

Dear Mr. Bennett:

Transmitted herewith is a Certification of Discovery or Development under Contract Idm-[illegible] on the World Mine.

By the terms of the Exploration Project Contract and of the Certification, all minerals produced from the aforesaid mine from the date of the Exploration Project Contract No. Idm-[illegible], July 14, 1953, are subject to the Government's percentage royalty as set forth in the Exploration Project Contract until the sum of $[illegible] is paid or until July 14, 1963, whichever occurs first.

Checks for reimbursing the Government for advances under the above-cited contract should be made payable to the Defense Minerals Exploration Administration and transmitted to Mr. [illegible] H. King, Executive Officer, DMEA Field Team, Region IV, 724 New Customhouse Building, Denver 2, Colorado.

Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of all minerals sold, the name of the purchaser, and the price and charges certified to be correct by the purchaser.

You are requested to notify Mr. King 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 any extended period, please notify Mr. King at [illegible]-month intervals that no production has been made.

Sincerely yours,

Frank E. Johnson
ACTING Administrator

JHopkins/ls
[illegible]-[illegible]-54

cc: DOCKET
CODE 400
OPER. COMM.
ADM.READ.FILE
CODE 200-Mr.Chambers
CODE 110-Mr.Johnson
J.H.[illegible] USBM

cc: R.W.GEEHAN, USBM
T.P.THAYER, USGS
THOR KIILSGAARD, USGS

cc: FIELD TEAM, REG. IV.

SEP 1 6 1954

Mr. Elmer Hetzer, President
Hetzer Mines, Inc.
[illegible] Pearl Street
Boulder, Colorado

Re: Docket No. DMEA [illegible] - Tungsten
Paul H. Bennett
World Mine
Boulder County, Colorado
Contract No. Idm-[illegible]

Dear Mr. Hetzer:

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 P. H. Bennett by Hetzer Mines, Inc. (Elmer Hetzer, President) on January 17, 1951, and is the same property referred to in Owner's Consent to Lien executed by Elmer Hetzer for Hetzer Mines, Inc., on June 20, 1953.

By the terms of the Exploration Project Contract and of the Certification, all production from the aforesaid lands from the date of the Exploration Project Contract is subject to the Government's percentage royalty as set forth in the contract until the sum of $[illegible] is paid or until July 14, 1[illegible], whichever occurs first.

Sincerely yours,

Frank E. Johnson

ACTING

Administrator

Enclosure

cc: DOCKET
FIELD TEAM, REG. 4
OPER. COMM.
ADM. READ. FILE
CODE 400-Mr.Martin
CODE 000-Mr.Chambers
CODE 110-Mr.Johnson
J.H.HEDGES, USBM
R. W. GELHAM, USBM
T. P. THAYER, USGS
THOR KILLSGAARD, USGS

JHopkins/ls
[illegible]-54

SEP 1 6 1954

Mr. Irving Gumbel, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration
Washington 25, D. C.

Re: Docket No. DMEA 3[illegible] - Tungsten
Paul N. Bennett
World Mine
Boulder County, Colorado
Contract No. Idm-[illegible]

Dear Mr. Gumbel:

Enclosed is a copy of a Certification of Discovery or Development for the above-noted project.

Contract No. Idm-[illegible] was executed July 1[illegible], 1[illegible]. Expenditures up to $[illegible],200.00 were authorized, of which the Government's share at [illegible] percent was $[illegible]. The cost of the work completed was $[illegible],170.00, of which the Government's share at [illegible] percent was $[illegible].

The object of the exploration program was to explore the downward extension of the Brandt vein on the [illegible]-foot level of the world mine. The program employed drifting, crosscutting, raising, and sublevel drifting from the top of the raise.

The exploration work disclosed a small ore body on the Brandt vein on a sublevel. This body of tungsten ore yielded 1[illegible]4.45 tons, from which 1[illegible] units of tungsten trioxide were recovered. Most of the ore was extracted by the exploration heading. Subsequent mining depleted the remainder of the shoot even before the exploration program was completed.

A Certification of Discovery or Development was issued, however, because there was believed to remain a possibility of finding small ore bodies by further work undertaken from the Defense Minerals Exploration Administration working [illegible].

Sincerely yours,

Frank E. Johnson

ACTING Administrator

cc: DOCKET
CODE 400
OPER. COMM.
ADM. READ. FILE
FIELD TEAM, REG. 4
CODE 100-Mr.Chambers
CODE 110-Mr.Johnson
Enclosure

cct J.H.HODGES,USBM
T.F.THAYER,USGS
R.W.GELMAN,USBM
T.KILLSGARD,USGS

JHopkins/ls
9-[illegible]-54

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1953

No. 1

AMENDMENT OF CONTRACT: No. Idm-E570

Contract Docket No. DMEA 3001, dated July 14, 1953, between the United States of America and Paul H. Bennett is hereby amended as follows, effective as of the date of said contract:

> Referring to EXHIBIT "A" attached to Exploration Project Contract Form MF-200(A), caption "Description of the Work".
>
> Whereas the work described under item (A) and 20 feet of drifting northeasterly on the vein at point "B" described under item (B) was performed at no cost to the DMEA Exploration Project, prior to the execution of Contract Idm-E570, and whereas only 96 feet of the 120 feet of crosscutting described under item (D) was necessary to reach its objective:
>
> Now therefore, it is resolved and agreed that the aggregate unexpended footage of 54 feet will be expended in drifting on the vein exposed in the drift at point "B" in a northeasterly and/or southwesterly direction, the extent in either direction to be controlled by conditions encountered as the drifting advances and as approved by the DMEA representative. The starting point of drifting in either direction must be established by the DMEA representative prior to start of any work.

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 OCT 26 1953

United States of America

By Paul H. Bennett
Paul H. Bennett

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

September 28, 1953

Memorandum

To: A. H. Koschmann A.H.K.

From: E. N. Hershman

Subject: DMEA Docket 3001 (tungsten), Contract idm-E570, World Mine, Paul H. Bennett, Boulder County, Colorado

In a letter dated August 24, 1953, Paul H. Bennett requests that he be granted permission to use 54 feet of exploratory drifts and crosscuts, authorized under Contract idm-E570 and as yet unused, to drift to the northeast and southwest on the Brandt vein. Thirty feet of the unused amount results from work authorized in the contract but accomplished by the operator before the contract was consummated; twenty-four feet results from crosscutting allowed but not used in reaching the white vein.

The objectives considered in the original program have been reached. It is now apparent that the ore potentialities are greatest in the Brandt vein area and additional exploration is warranted.

It is therefore recommended that Contract idm-E570 be amended to allow the southwest drift on the Brandt vein to be advanced 25 feet and the northeast drift on that vein to be advanced 29 feet as requested. Since the contract is on a unit cost basis, this recommendation will not raise the total expenditure authorized for exploration in the World mine.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
September 22, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 3001, Contract Ida-E570 (Tungsten) Paul H. Bennett (World mine), Boulder County, Colo. -- Request for amendment to apply certain authorized exploration to other locations

In response to your memorandum dated September 15, 1953, I am enclosing the original and five copies of R. L. Bolmer's memorandum recommending approval of an amendment to apply to new locations in the mine a total of 54 feet of crosscutting and drifting now authorized by the contract, but which has either been performed at the operator's expense or is no longer warranted.

The recommendation has my approval.

W. M. Traver

W. M. Traver

cc /5
E570
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
September 18, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 3001, Contract Idm-E570 (Tungsten), Paul H. Bennett (World mine), Boulder County, Colo. -- Request for amendment to apply certain authorized exploration to other locations

The operator has requested, by letter dated August 24, 1953, that a total of 54 feet of crosscutting and drifting now authorized by the contract, but which has either been performed at his own expense or is no longer warranted, be applied to new locations in the mine. The proposal is adequately described in the operator's letter.

The contract is a short form and the authorized unit cost of drifting and crosscutting is identical. The substitution of the new location for the unexpended footage is warranted and an amendment permitting the requested revision is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/kp

cc ✓5
E570
Chron

1825 Marine St.,
Boulder, Colo.,
August 24, 1953.

Mr. William Trumer, Jr.,
U. S. Bureau of Mines
Room 137 Building 20
Denver Federal Center
Denver, Colo.,

Re: World Mine (Tungsten)
DMEA No. 3011 Contract Ida-2570

Dear Mr. Trumer,

We have now completed 96 feet of the 120 feet of cross-cut which contract shows to be run Southwest from near the World Shaft at the 80 foot level. We have cut the vein which was the objective of this drive, and have run well beyond it. The vein cut was well defined and strong, and projected squarely to the White Shaft, but there is no mineralization. This leaves 24 feet of this X-cut unfinished.

There is also 20 feet of drift Northeast from intersection of old cross-cut on Brandt Vein and 10 feet of extension of old cross-cut Northeast which have not been done because we did this work on private account before contract was started.

This makes a total of 54 feet of drift and crosscut unused on this contract, and I am requesting that I be allowed to use this 54 feet as follows: 25 feet of drift Southwest from present face of drift on Brandt vein; and, 29 feet Northeast from present face of drift on Brandt vein. Inasmuch as the raise started on this vein is looking better than any other part of the mine, it looks as though this general region offers now the greatest possibilities for finding ore, and this reason is the basis for making this request.

Please advise if this amendment to the contract will be considered, and have your office designate the necessary starting points, if the change is approved.

Very truly yours

P. H. Bennett

P. H. Bennett

Docket No. 3071

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 570

Date of Contract ~~or Amendment:~~ July 14, 1953

Name and Address of Operator:
Paul H. Bennett,
1825 Maine Street,
Boulder, Colorado

Amount of Government participation $ 6,150.00

Percent of Government participation 75 %

Region: IV State: Colorado

Note: Please release $22.50; Advice Contract Administration and Audit Division

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

(Title)

Date Delivered to Bureau of Mines, Washington. 3/24/54

54458

Docket No. DMEA 3001

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 570

Date of Contract or Amendment: July 14, 1953

Name and Address of Operator:

Paul H. Bennett,
1825 Maine Street,
Boulder Colorado

Amount of Government participation $ 6,150.00

Percent of Government participation 75 %

Region: IV State: Colorado

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

(Title)

Date Delivered to Bureau of Mines, Washington. July 14, 1953 13908

MF-200 (A)
(February 1952)

DOCKET NO. DMEA 3001

COMMODITY Tungsten

Idm-E570

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 20 1953

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 14th day of July, 195 3, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Paul H. Bennett
1825 Maine St.
Boulder, Colorado

hereinafter called the "Operator," as follows:

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Colorado, County of Boulder, described as follows:[3] A tract 600 feet by 1500 feet described in Annex No. 1 attached. This tract is owned under an agricultural patent.

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:~~

(*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 60 (Sixty) 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 Six 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 $6,150.00, which is 75 percent of $8,200.00, 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:

(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.

Paul H. Bennett
(Operator)

By _____

THE UNITED STATES OF AMERICA

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

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

MF-203

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/

Beginning at the Southwest corner of the Northwest quarter of the Northwest quarter of Section Eight, Township One South, Range 72 West of the 6th P.M., running thence East along the South line of said Northwest quarter of the Northwest quarter a distance of 600 feet to the true point of beginning, running thence East along the South line of the North half of the Northwest quarter of said Section Eight a distance of 1500 feet, thence North 600 feet, thence West 1500 feet to a point 600 feet due North of the true point of beginning, thence South to the true point of beginning.

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/ P. H. Bennett, 1825 Marine St., Boulder, Colorado

hereinafter called the "Operator"; and

WHEREAS, under certain provisions of said contract which are set forth on the reverse side hereof, the Government is entitled to a percentage royalty on production and to certain other rights and equities which do or may conflict with or be adverse to the interest of the undersigned in said property;

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 which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ 6,150.00, or ten years have elapsed from the date of the contract.

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.

Dated this 20th day of June, 195 3.

HETZER MINES, INC. [Seal]

By Elmer Hetzer President [Seal]

[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.

4/ Insert the maximum amount of the Government's contribution.

RELEVANT CONTRACT PROVISIONS

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 six months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

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

(2) One and one-half (1½) per cent of any such net amounts, plus one-half (½) per cent 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) per cent 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) per cent; on a net amount of ten dollars ($10.00) per ton, three and one-half (3½) per cent.)

(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, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income tax determination.

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

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

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

DOCKET NO. DMEA 3001

Article 2, Exploration Project Contract Form MF-200(A)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 29 1953

ANNEX NO. 1

Beginning at the Southwest corner of the Northwest quarter of the Northwest quarter of Section Eight, Township One South, Range 72 West of the 6th P.M., running thence East along the South line of said Northwest quarter of the Northwest quarter a distance of 600 feet to the true point of beginning, running thence East along the South line of the North half of the Northwest quarter of said Section Eight a distance of 1500 feet, thence North 600 feet, thence West 1500 feet to a point of 600 feet due North of the true point of beginning, thence South to the true point of beginning.

EXHIBIT "A"

Description of the Work

(A) Crosscut 10 feet through the fault zone in the present face of the crosscut in a northwesterly direction on the 80 foot level. The location of this work is shown at point A, Figure 2.

(B) Drift northeasterly 20 feet on the vein now showing at point B (Figure 2). With prior written approval of the DMEA representative, 20 feet of drifting on a vein or veins intersected in the crosscut extension.
(A) may be substituted for drifting at (B).

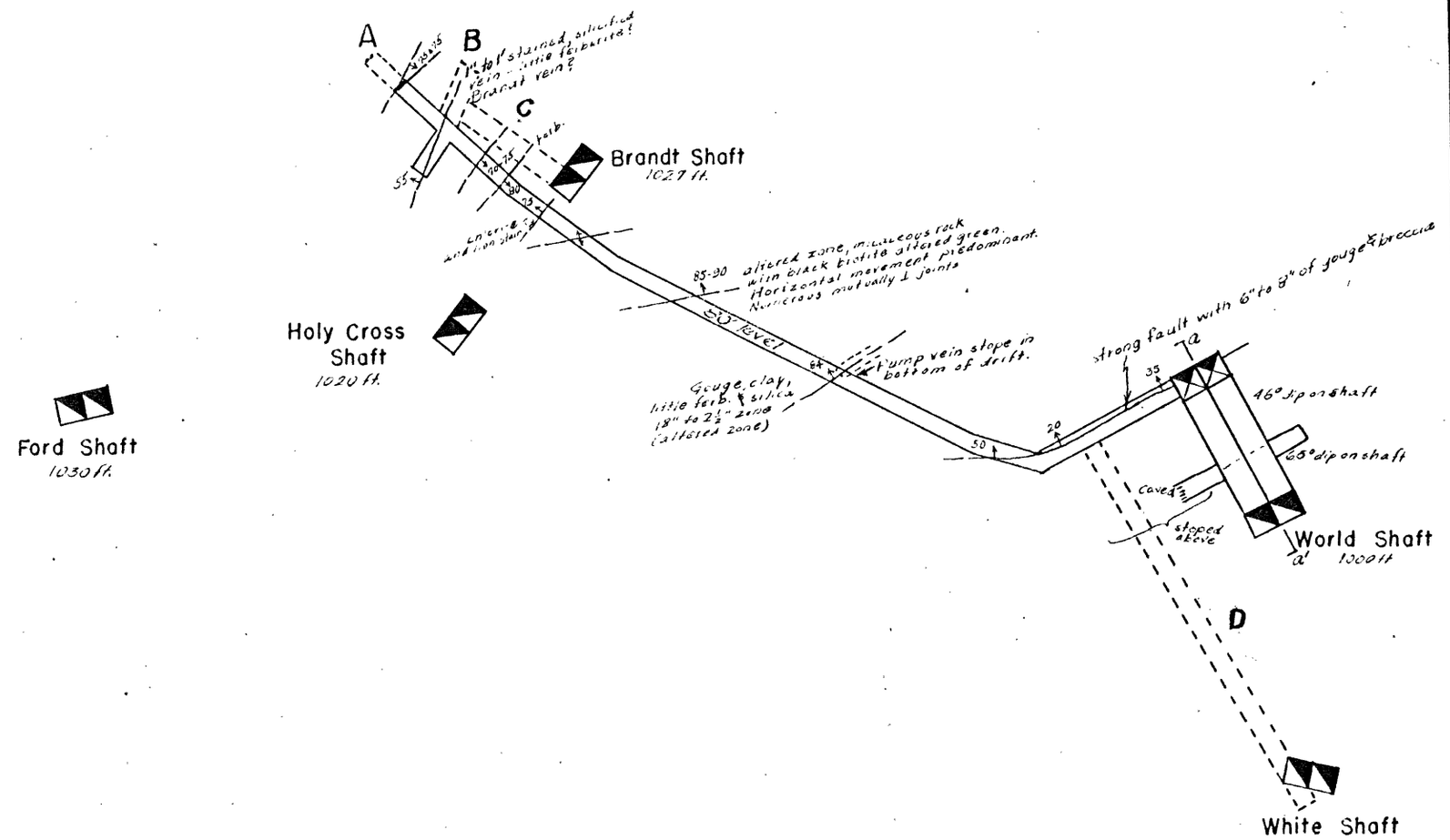
(C) Raise a maximum of 100 feet on the Brandt vein to connect with the Brandt shaft. Any footage less than the 100 feet allowable to connect with the Brandt shaft may be expended in sublevel drifting at a point or points approved by the DMEA representative.

(D) Crosscut a maximum of 120 feet southeasterly to cut the possible downward extension of the White vein ore shoot, as well as the faulted World vein ore shoot.

The location of all of the work is shown on Figure 2, which is attached and made a part of Exhibit "A".

Estimated Costs of the Project

Drifting, 20 feet at $32.00 per foot	$ 640.00
Crosscutting, 130 feet at $32.00 per foot	4,160.00
Raising and/or sublevel drifting, 100 feet at $34.00 per foot	3,400.00
Total estimated cost of project	$8,200.00
Government participation at 75%	$6,150.00



UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

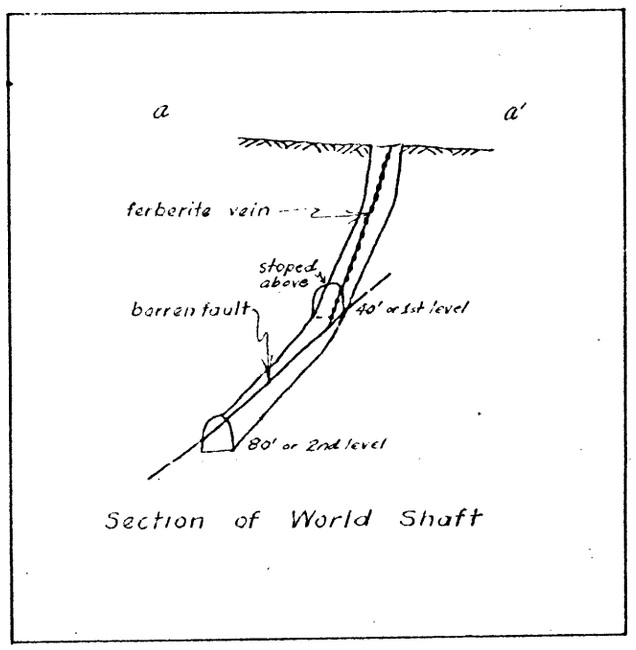
WORLD MINE, BOULDER CO., COLORADO
DMEA 3001

Shaft collars located according to company map, tunnel from tape and Brunton compass survey by E.N.Harshman and J.C.Mac Lachlan, U.S.G.S. Proposed exploration shown dashed.

Scale 1" = 50'

May, 1953

Fig. 2 Plan of 80 foot level



Section of World Shaft

P.H. Bennett lease