400

AUG 13 1956

Mr. W. H. Traver, Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3546, Tungsten
Mesch and Mesch
Big Cameron Mine
Boulder County, Colorado
Contract No. 14m-4810

Dear Mr. Traver:

Reference is made to your letter of May 16, 1956, to Mr. Hans Mesch regarding royalty payments at the subject project and inquiring whether the same Operator's Lot No. 1941, shipped April 25, 1956, was mined from the Steel Plate No. 1 claim or the Big Cameron claim.

It is noted that deposit of the royalty in the amount of $10.60 was credited to the referenced project, and, therefore, presumably the ore was mined from the Big Cameron claim. However, to complete our records, a copy of the reply received to your letter of May 16 would be appreciated.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

FRANK D. LAMB

Member, Bureau of Mines

N. E. Nelson

Member, Geological Survey

cc: Docket
Code 400
Oper. Committee
Adm. Read. File
T. Milsgaard, USGS
R. W. Holliday, USBM
FT, Reg. 3
Code 800-Audits

WSMartin/EDTalbert/ls
8/13/56

TRIPLICATE

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

THIS DEPOSIT IS NOT SUBJECT TO CHECK

For credit of 413 Treasury Regional Office, Denver, Colo. 5/25/56
(Name, title, and disbursing or other identification symbol of accountable officer) (Date sent)

DEPOSIT NO. 14-23-040-132

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

$ 278.38

for accounts listed below. SCHEDULE NOS.

ACCOUNT SYMBOL	TITLE OF ACCOUNT TO BE CREDITED	AMOUNT
14X4401		278.38

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

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

SPACE BELOW TO BE USED BY DEPOSITARY ONLY

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

(Authorized signature)

5/25/56 MAY 25 1956
(Date of credit in Treasurer's account)

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

16—59686b-1 GPO

8.75 McFarland	267.78
E-810 Hans Mosch	10.60
	278.38

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

RECEIVED
APR 23 1956

I have reviewed the Monthly Reports of:

Hans Mosch and Alvin Mosch, Partners
Arvada, Colorado.

pertaining to Exploration Project Contract No. Idm-2810, Docket No. DMEA-3546, including Amendment No. 1, and Termination Agreement dated April 9, 1956, for the months of July, 1955 to February, 1956, inclusive, covering a project for the exploration of Tungsten on property known as Big Cameron Mine, located in Boulder County, Colorado.

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

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

> All of the costs incurred were under a contract provision for payment by the Government on the basis of fixed unit costs for 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		$7,810.00
Exceptions:		
By DMEA Finance Officer	$0.00	
Herewith	0.00	0.00
Total Accepted Cost		$7,810.00

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 Five thousand, eight hundred fifty-seven and 50/100ths Dollars

** $5,857.50 **

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.

T H Brading

April 19, 1956

T. H. Brading, Auditor

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

224 New Customhouse
Denver 2, Colorado

April 20, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3546 (Tungsten) Contract Idm-E810, Mosch and Mosch (Big Cameron mine) Boulder County, Colorado
FINAL PAYMENT

Reference is made to our memorandum of March 12, 1956 whereby we transmitted the final Form MF-104, Operator's Monthly Report and Voucher for the month of February, 1956 and requested that you withhold the amount of $50.00 from reimbursement to the Operator pending resolution of matters relative to closing the account.

The Operator's final report has been received, therefore we recommend that final payment to the Operator be made on the following basis which is in conformance with the Report of Review by the Contract Administration and Audit Division, dated April 19, 1956 which was released to this office April 20, 1956.

Basis for Final Payment

Total accepted cost	$7,810.00
Government participation at 75 percent	5,857.50
Total prior payments	5,807.50
Final payment	$ 50.00

W. M. TRAVER

RECEIVED
APR 2 0 1956

W. M. Traver
$50.00
DB
4/25/56 DMA 56-101

JDC:jy
cc: MF-104 File E810
Sec. Op. Comm. (2)
Shaw (2)
Townsend
Cooper
Chron.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
MAR 16 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1956 Docket No. DMEA 3546 Contract No. [illegible]
Operator's Name Hans Mosch and Alvin Mosch Minerals Tungsten
Address 5275 Fryer St., Arvada, Colo.
Contract Amount, $280.00 Government Participation 75 % Amount, $210.00

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						
Cross-cutting Sinking	0	$4080.00	$4080.00			
Drifting X	$864.00	$5862.00	$6726.00			
Assaying	0	$0004.00	$0004.00			
(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	$864.00	$6946.00	$7810.00	864.00	6,946.00	7,810.00

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

Date March 1, 1956 Payee Hans Mosch, Alvin Mosch

Per Alvin Mosch Title Partner

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

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

(Instructions on reverse)

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

$598.00

Signature [illegible]
(Authorized Certifying Officer)

Date 3/13/56 Vou. No. DMA 56-81

(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. DMA-E810 in accordance with the terms of the contract.

Signature R.E. Bolner $648.00 Title Mining Engineer Date MAR - 8 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Mahony Title Executive Officer Date MAR 12 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
MAR 16 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1956 Docket No. DMEA 3546 Contract No. IDM-8810
Operator's Name Hans Mosch and Alvin Mosch Minerals Tungsten
Address 5275 Dover St. Arvada Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting *	Feet	$864.00	32	$3726.00	138	$27.00	152	$27.00
Crosscutting								
Raising								
Shafts *	Feet	$000.00	0	$4080.00	60	$68.00	60	$68.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying	Each	$0.00	0	$0.00 *	1	$4.00	24	$4.00
TOTAL DISTRIBUTED COSTS		$864.00		$7810.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$864.00		$7810.00				$8280.00

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

Date March 1, 1956 Operator Hans Mosch, Alvin Mosch

Per Alvin Mosch Title Partner

REMARKS: Contract work for the month of Feb. commenced Feb. 1, 1956.

→ 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)

* should be $4.00

R. L. Bolmer

INSTRUCTIONS

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

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

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

GPO 872894

FINAL DISTRIBUTION
MADE MAR 14 1956
RECEIVED
MAR 16 1956

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

Administrative Audit Difference Statement

Dr. Dano Bosch and Dr. Alvin Bosch
1275 Bover Street
Arvada, Colorado

Date: March 13, 1956
Payee's Reference: February 1956

Gentlemen:

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

Amount Claimed $ 648.00

Difference $

Amount Approved $ 648.00

The reason for the difference was due to:

Withhold $50.00 pending deduction of matters relative to closing the account.

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

Very sincerely yours,

N. E. Stokes
Audit Section

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

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

RECEIVED
MAR 16 1956

224 New Customhouse
Denver 2, Colorado

March 12, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 2546 (Tungsten) Contract Idm-E810, Mosch and Mosch, Big Cameron Mine, Boulder County, Colorado - Operator's Monthly Progress Report, for the period February 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. 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.

Withhold an amount of $50.00 pending resolution of matters relative to closing the account. The contract expired on March 6, 1956 and the Operator has indicated that no extension of the completion date will be requested.

Reconciliation with Amount Claimed on Form MF-104 for the Period February, 1956

Amount claimed by Operator	$864.00
Government participation at 75 percent	648.00
Amount withheld	50.00
Recommended payment to Operator	$598.00

Remarks

Date of Report----------March 1, 1956
Date Received in Field Office---------- March 8, 1956
Date Received in Region Office-------- March 12, 1956

W. M. TRAVER

W. M. Traver

Enclosures

JDC:jy

cc: MF-104 File E810
Sec. Op. Comm. (2)
Shaw (2)
Townsend w/copy engr's report
Chron.

DMEA
Date Rec'd.
MAR 12 1956
BUREAU OF MINES
Denver, Colorado

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
March 9, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

RECEIVED
MAR 16 1956

Through: John F. Shaw

From: R. L. Palmer

Subject: DMEA 3546, Contract Ida-2810 (Tungsten) Mesch and Mesch (Big Cameron mine) Boulder County, Colo. - Progress report for February 1956

The progress reported this period under the subject short-form contract - 38 feet of drifting southwesterly along the Steel Plate vein on the new 104-foot level off the Big Cameron shaft - was verified during an inspection of the property March 7, 1956.

On the date of inspection, a total of 138 feet of combined cross-cutting and drifting had been completed on the 104-foot level west of the shaft. The operator previously has reported and been reimbursed for 106 feet of this distance. The 38 feet of advance reported for the February period, therefore, is valid and proper.

The Steel Plate vein began to weaken and split up about 100 feet west of the shaft. Project drifting this period followed the stronger footwall branch of the structure. This branch is represented by a single, narrow shear within the schist country rock. At no point along the final 38 feet of the heading is the structure more than an inch or two wide. Although its walls are slickensided, the shear is very tight and contains no filling other than a minor amount of fault gouge. The adjacent wall rock is highly fractured and exhibits intense chloritization. Toward the breast of the heading, the footwall structure split again. Each branch narrowed to a knife edge and lost its identity among the other fractures within the schist.

The contract authorizes 150 feet of drifting southwesterly along the Steel Plate vein on the 104-foot level. All but 14 feet of the authorized distance has been completed. Due to the unpromising character of the structure, the operator has no desire to complete the remaining footage and probably will request permission of the Government to terminate the project. The contract expired March 6, 1956. Under the circumstances, there appears no need for its extension.

On the date of inspection, the 10-foot level had been extended some 14 feet northeast of the shaft. This heading started in the footwall of the Steel Plate vein and intersected that structure within 30 feet. The vein exposed along the final 14 feet of the heading is a strong structure some 1½ to 2 feet wide occurring between well defined hanging and footwalls of schist and gneiss that has been intruded by pegmatite. The structure strikes N. 65° E. and dips 75° NW. It is composed chiefly of sheared, highly altered, and leveciched wall rock and contains minor quartz and fault gouge. In several spots, a few narrow seams of rusty, peanut-type ferberite mineralization was observed. Work northeast of the shaft is not authorized under the contract but is being carried out at the operator's own expense. The operator intends to continue this heading for a short distance to test the vein below the known ore shoots in the workings off the old Steel Plate shaft.

The $864.00 total quote reported for this period on the operator's NF-104 forms - equivalent to the completed 32 feet of drifting at the agreed upon unit price of $27.00 per foot - are approved. Reimbursement to the operator of 75 percent of the approved amount, or $648.00, is recommended. Inasmuch as this probably will be the final payment due the operator under the contract, the usual percentage should be held back until the operator's final report has been submitted and the other details regarding the termination of the project have been resolved.

Robert L. Balmer

Robert L. Balmer
Mining Engineer

RLB/mr
cc: 6
Idm-EBLO
Clerks

RRB

RECEIVED
MAR 16 1956

NARRATIVE REPORT

(Month Of Feb. 1956)

Docket No. DMEA-3546

Contract No. IDM-E8I0

Underground work performed within the Big Cameron Mine throughout the month of February 1956 included driving the DMEA contracted drift to a south-westerly distance of one-hundered and thirty-eight feet from the Big Cameron shaft. A north-easterly drift on the same level was extended to thirty feet from the shaft. Some maintenance work was also carried out in the fifty-four foot level and stope.

The vein in the south-westerly drift has diminished and a fill separating the granite walls appears to be a gouge of schist. The walls vary from about five to eight feet apart. The schist decays easily and creates a condition of bad ground which requires constant barring down of slabs throughout the untimbered portion of the drift.

Driving of the north-easterly drift from the Big Cameron Shaft has opened up a vein consisting of vuggy horn quartz, brown and black banded horn, black stain throughout the horn and adjacent gangue and walls, and several short thin, vertical seams of ferberite near the slickenside of the hanging wall. The south wall next to this vein is aplite.

Hans Mosch

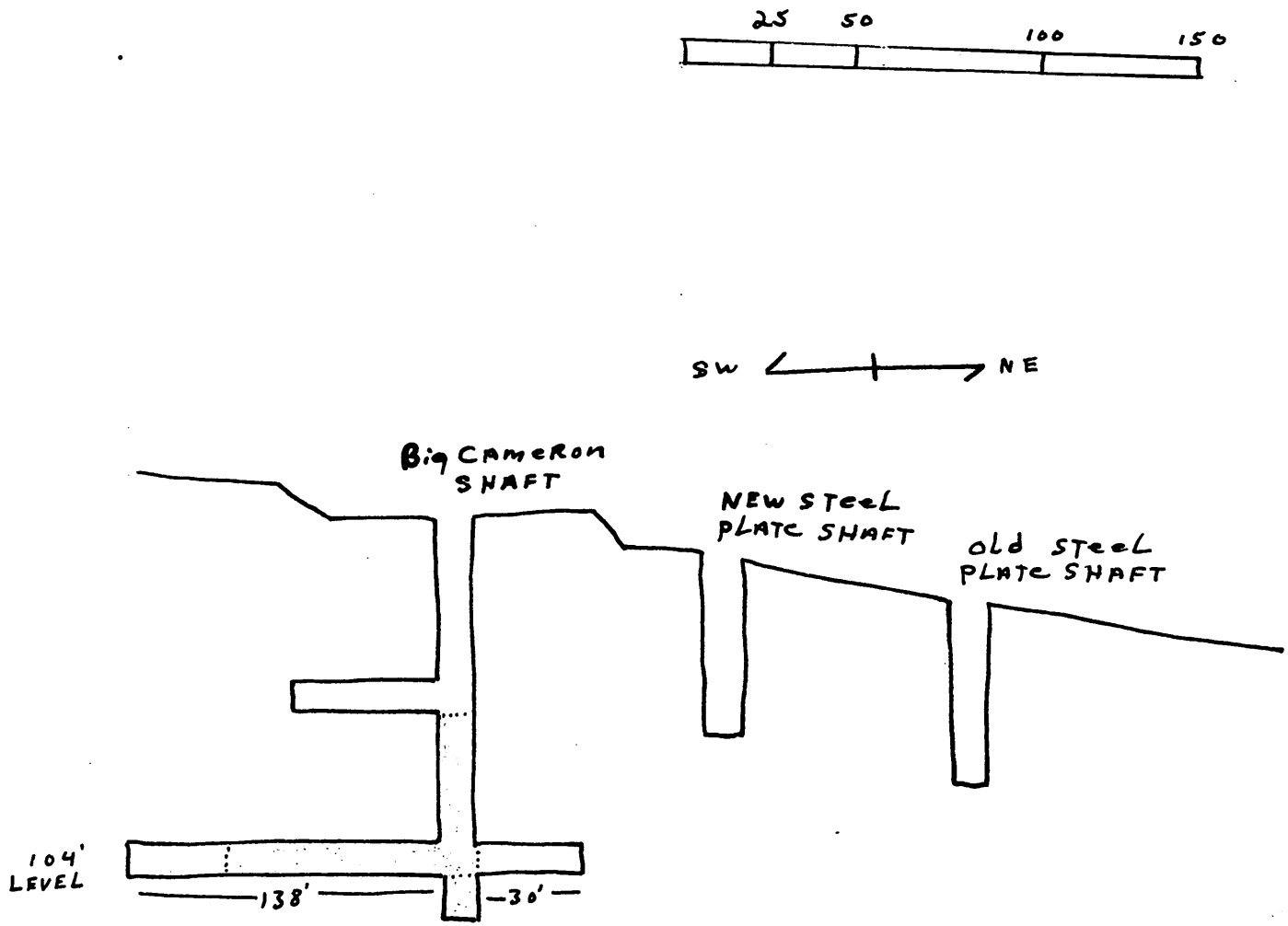
Hans Mosch(partner)

Alvin Mosch

Alvin Mosch(partner)

☐ Work done before

☐ "_____" in Feb.



RECEIVED
MAR 16 1956

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
FEB 16 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January 1956 Docket No. DMEA 3546 Contract No. IDM-5810
Operator's Name Hans Mosch And Alvin Mosch Minerals Tungsten
Address 5275 Dover St. Arvada Colorado
Contract Amount, $ 8280.00 Government Participation: 75 % Amount, $ 6210.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting Sinking	0	$4080.00	$4080.00			
Drifting	$945.00	$1917.00	$2862.00			
Assaying	0	$0004.00	$0004.00			
(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	$945.00	$6001.00	$6946.00	945.00	6,001.00	6,946.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Feb. 1, 1956 *Payee Hans Mosch, Alvin Mosch
Per Alvin Mosch Title Partner

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

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

(Instructions on reverse)

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

$ 708.75

Signature
(Authorized Certifying Officer)

Date 2/10/56 Vou. DMA 56-69

(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. 6810 in accordance with the terms of the contract.

Signature R. H. Bolmer, $708.75 Title Mining Engineer Date FEB - 8 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Shaver Title Executive Officer Date FEB 9 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MD-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
FEB 16 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1956 Docket No. DMEA 3546 Contract No. IDM-2810
Operator's Name Hans Mosch And Alvin Mosch Minerals Tungsten
Address 5275 Dover St. Arvada Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Feet	$945.00	35	$2862.00	106	$27.00	152	$27.00
Crosscutting								
Raising								
Shafts	Feet	$0.00	0	$4080.00	60	$68.00	60	$68.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying	Each	$0.00	0	$4.00	1	$4.00	24	$4.00
TOTAL DISTRIBUTED COSTS		$945.00		$6946				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$945.00		$6946.00				$8280.00

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 February 1, 1956 Operator Hans Mosch, Alvin Mosch

Per Alvin Mosch Alvin Mosch Title Partner

REMARKS: Contract work for the month of January 1956 commenced Jan. 1, 1956

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

(Instructions on reverse)

(For Government use only)

R. L. Belmer

INSTRUCTIONS

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

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

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

GPO 872894

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

FINAL DISTRIBUTION
FEB 14 1956
MADE

224 New Customhouse
Denver 2, Colorado

February 9, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3546 (Tungsten) Contract Idm-E810, Hans Mosch and Alvin Mosch, Big Cameron Mine, Boulder County, Colorado - Operator's Monthly Progress Report, for the period January, 1956

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. 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.

Amount Reported by Operator on Form MF-104	$945.00
Recommended payment to Operator at 75 percent	$708.75

Remarks

Date of Report----------February 1, 1956
Date Received in Field Office---------- February 6, 1956
Date Received in Region Office---------- February 9, 1956

W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E810 Shaw (2)
Sec. Op. Comm. (2) Chron.

DMEA
Date Rec'd.

FEB 9 1956

BUREAU OF MINES
Denver, Colorado

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
February 8, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shea SWA for
Supervising Mining Engineer

From: R. L. Bulmer

Subject: DMEA 3546, Contract Ldn-2810 (Tungsten) Noech and Noech (Big Cameron mine) Boulder County, Colorado - Progress report for January 1955

The progress reported this period under the subject short-term contract - 35 feet of drifting southwesterly along the Steel Plate vein on the new 104-foot level of the Big Cameron shaft - was verified during an inspection of the property February 7, 1956.

On the date of inspection, a total of 106 feet of combined cross cutting and drifting had been completed on the 104-foot level west of the shaft. The operator previously has reported and been reimbursed for 71 feet of this distance. The 35 feet of advance reported by the operator for the January period, therefore, is valid and proper.

The Steel Plate vein, as exposed by previous project drifting southwesterly along the 104-foot level, was represented by a steeply dipping shear zone, ½ to 2½ feet wide, within a country rock of biotite-schist. The zone had sharply defined slickenside walls and consisted principally of brecciated country rock and clay gouge with minor lenses and streaks of quartz and feldspar. It contained no tungsten mineralization. Along certain sections, the rock within the zone was moderately to highly altered; along others, it was comparatively fresh. The wall rock adjacent to the zone, while soft and fractured, was relatively unaltered.

During the January advance of the project heading, at a point some 100 feet southwest of the shaft, the Steel Plate vein split into two rapidly diverging stringers. Although both branches of the structure had well defined slickenside walls, each was very tight and narrow and contained little gouge or other mineral filling. The wall rock adjacent to each split and the "horse" of country rock between them is highly fractured but shows relatively little alteration. The divergence of the two branches is such that both cannot be kept within the width of the southwest drift much beyond its present breast.

The work completed during January conforms with the provisions of the contract. The $963.00 total costs reported for the period on the operators MF-104 forms - equivalent to the completed 35 feet of drifting at the agreed upon unit price of $27.00 per foot - are approved. Reimbursement to the operator of 75 percent of the approved reported costs, or $722.75, is recommended.

Scott W. Hogenson
R. L. Bolmer
Mining Engineer

RLB/mw
cc 6
1Ac-MRO
Chrono.

RECEIVED
FEB 2 8 1956

Narrative Report

(Month of Jan. 1956)

Docket No. DMEA-3546

Contract No. Idm-E8I0

Contract work for the month of January 1956 consisted of extending the present drift thirty-five feet South Westerly from the Big Cameron Shaft. Approximately one hundered feet from the Big Cameron Shaft, the vein was replaced by a horse consisting of a decaying schist. Country walls are highly granitic. Sets of timber, the legs of which are seven feet apart, have been carried along with the drift.

Surface activity for the Month included replacing two faulty rods in the Buda power unit for the air compressor.

Hans Mosch

Hans Mosch(Partner)

Alvin Mosch

Alvin Mosch(Partner)

R.L.B.

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 30 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1955 Docket No. DMEA [redacted] Contract No. [redacted]
Operator's Name [redacted] Minerals [redacted]
Address [redacted]
Contract Amount, $ [redacted] Government Participation: [redacted] % Amount, $ [redacted]

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:						
[redacted]	[redacted]	[redacted]	[redacted]			
[redacted]	[redacted]	[redacted]	[redacted]			
[redacted]	[redacted]	[redacted]	[redacted]			
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	[redacted]	[redacted]	[redacted]	680.00	5,321.00	6,001.00

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

Date January 11, 1956 *Payee [redacted]

Per [redacted] Title [redacted]

*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 [redacted]
(Authorized Certifying Officer)

Date 1/24/56 Vou. No. DMA 56-63

(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. 8810 in accordance with the terms of the contract.

Signature R. R. Palmer, $510.00 Title Mining Engineer Date JAN - 5 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Harvey Title Executive Officer Date JAN 9 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MIT-104A
(April 1952)

Budget Bureau No. 42-R151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 30 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 5 Docket No. DMEA 2546 Contract No. IDM-EMIO
Operator's Name Hans Mosch And Alvin Mosch Minerals Tungsten
Address 5275 Dover St. Arvada Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting *	Feet	—	—	$1917.00	71	$27.00	152	$27.00
Crosscutting								
Raising								
Shafts *	Feet	$680.00	10	$4080.00	60	$68.00	60	$68.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying	Each	—	—	$4.00	1	$4.00	24	$4.00
TOTAL DISTRIBUTED COSTS		$680.00		$6001.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$680.00		$6001.00				

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. 1, 1956 Operator Hans Mosch, Alvin Mosch

Per Alvin Mosch Alvin Mosch Title Partner

REMARKS: Reason for contract work delay during the month of Dec. 1955 explained in adjoining narrative report.

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

(Instructions on reverse)

(For Government use only)

R. L. Belmer

INSTRUCTIONS

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

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

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

GPO 872894

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

RECEIVED
JAN 30 1956

FINAL DISTRIBUTION
MADE JAN 26 1956

224 New Customhouse
Denver 2, Colorado

January 9, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3546 (Tungsten) Contract Idm-E810, Mosch and Mosch, Big Cameron Mine, Boulder County, Colorado. Operator's Monthly Progress Report for the period December, 1955

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-200A, therefore, we recommend that payment be made for 75 percent of the amount reported by the Operator on Form MF-104, contingent on your verification of arithmetical accuracy within the report.

Remarks

Date of Report- - - - - - - - - - - - - - - - - January 2, 1956
Date Received in Field Office- - - - - - - - - January 5, 1956
Date Received in Region Office- - - - - - - - January 6, 1956

W. M. Traver

W. M. Traver

Enclosures
JDC:jy
cc: MF-104 File E810
Sec. Op. Comm. (2)
Shaw (2)
Chron.

DMEA
Date Rec'd.

JAN 6 1956

BUREAU OF MINES
Denver, Colorado

Region III

Building 20
Denver Federal Center
Denver, Colorado
January 6, 1956

Memorandum

RECEIVED
JAN 30 1956

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3546, Contract Idm-6810 (Tungsten), Mesch and Mesch (Big Cameron Mine), Boulder County, Colorado - Progress report for December 1955

The progress reported this period under the subject short-form contract — sinking the Big Cameron shaft an additional 10 feet to a new depth of 114 feet below its collar — was verified during an inspection of the property January 4, 1956.

The extension of the shaft below the 104-foot level will provide a sump needed to handle the increasing flow of mine water. Sinking the shaft a total of 60 feet or to a depth of 114 feet is authorized in the contract.

Certain sections along the 104-foot level southwest of the shaft were timbered during the period. The level has been extended some 12 feet north-east from the shaft. This northeast heading is yet in the footwall of the Steel Plate vein but ultimately will be turned in a more northerly direction so as to intersect the vein. The latter work is not authorized in the contract and is being performed at the operator's own expense. The operator intends to drive the authorized 104-foot level southwest drift simultaneously with this northwest or non-contract heading.

Most of the December period was spent in securing a new hoist for the project. A single-drum, geared hoist with a gasoline engine power unit was located in Idaho Springs, Colorado. It was transported to the property and installed near the collar of the shaft. The existing compressor house was enlarged so as to inclose the new installation. The operator plans to construct a new, more suitable headframe at the shaft collar. Three men, including the two operating partners, presently are employed at the property.

The $680.00 total costs reported for the period on the operator's MF-104 forms—equivalent to the 10 feet of completed shaft sinking at the agreed upon unit price of $68.00 per foot—are approved. Reimbursement to the operator of 75 percent of the approved reported costs, or $510.00, is recommended.

R. L. Bolmer

cc 6
DMEA 3546
RLB:ch RLBolmer Chron

R. L. Bolmer
Mining Engineer

RECEIVED
JAN 30 1956

NARRATIVE REPORT

(Month Of Dec.1955)

Docket No. DMEA-3546

Contract No. IDM-E8I0

Principle work for the month of December I955 consisted of installing a larger hoist, rebuilding the power unit driving the hoist, constructing an extension to the present building for enclosing the hoist unit, and of revamping the shafts headframe for purpose of handling a muck bucket of greater capacity. Extra timber was cut and prepared for use as needed in future drifting.

Underground work for the month of December I955 included sinking a ten foot sump, and installing fresh timber in heavy sectors of the Big Cameron Shaft. Contract drifting will be performed throughout the month of January I956.

Hans Mosch

Hans Mosch(Partner)

Alvin Mosch

Alvin Mosch(partner)

R.L.B.

Form [illegible]-104 (Rev.)
[illegible] 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
DEC 22 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

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

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling [illegible]	[illegible]	[illegible]	[illegible]			
Bulldozing [illegible]	[illegible]	[illegible]	[illegible]			
Crosscutting [illegible]	[illegible]	[illegible]	[illegible]			
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	[illegible]	[illegible]	[illegible]	891.00	4430.00	5321.00

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

Date [illegible] *Payee [illegible]

Per [illegible] Title [illegible]

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

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

(Instructions on reverse)

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

$ 668.25

Signature RRC
(Authorized Certifying Officer)

Date 12-16-55 Vou. No DMA-56-51

(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. E810 in accordance with the terms of the contract.

Signature R. L. Bolmer, $668.25 Title Mining Engineer Date DEC - 7 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature R. M. Henderson Title Acting Executive Officer Date DEC 9 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 195 5 Docket No. DMEA 3546 Contract No. IDM-E810

Operator's Name Hans Mosch, and Alvin Mosch Minerals Tungsten

Address 5275 Dover St. Arvada Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting *	feet	$891.00	33	$1917.00	71	$27.00	152	$27.00
Crosscutting								
Raising								
Shafts *	feet	$0.00	0	$3400.00	50	$68.00	60	$68.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying	each	$0.00	0	$4.00	1	$4.00	24	$4.00
TOTAL DISTRIBUTED COSTS		$891.00		$5321.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$891.00		$5321.00				$8280.00

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. 1, 1955 Operator Hans Mosch, Alvin Mosch

Per Alvin Mosch Title Partner

REMARKS: Contract work for the month of Nov. commenced Nov. 1, 1955.

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

(Instructions on reverse)

(For Government use only)

R. L. Belmer

INSTRUCTIONS

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

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

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

GPO 872894

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

RECEIVED
DEC 8 1955

224 New Customhouse
Denver 2, Colorado

December 9, 1955

Memorandum

To: T. A. Christensen

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

Subject: DMEA Docket 3546, (Tungsten) Contract Idm-E810, Mosch and Mosch, Big Cameron Mine, Boulder County, Colorado. Operator's Monthly Progress Report, for the period November 1955

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

It is deemed that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. No documentation is required for work performed under contracts prepared on Form MF-208A, 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 1, 1955
Date Received in Field Office- - - - - - December 5, 1955
Date Received in Region Office- - - - - December 8, 1955

E. N. Harshman

E. N. Harshman

Enclosures
JDC:jy
cc: MF-104 File E810
Sec. Op. Comm. (2)
Shaw (2)
Chron.

Region III

Building 20
Denver Federal Center
Denver 2, Colorado
December 7, 1955

RECEIVED
DEC 9 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3546, Contract Idm-E810 (Tungsten) Mosch and Mosch, Big Cameron mine, Boulder County, Colorado - Progress report for November 1955

The progress reported this period under the subject short-form contract--33 feet of drifting southwesterly along the Steel Plate vein on the new 104-foot level of the Big Cameron shaft--was verified during an inspection of the property December 2, 1955.

On the date of inspection, a total of 71 feet of combined cross-cutting and drifting had been completed on the 104-foot level west of the shaft. The operator previously has reported and been reimbursed for 38 feet of this distance. The 33 feet of advance reported by the operator for the November period, therefore is valid and proper.

The Steel Plate vein exposed during the period is represented by a steeply dipping shear zone, 1 to 1-1/2 feet wide, within a wall rock of biotite-schist. The wall rock in this section has numerous injections of quartz and feldspar. The zone has sharply defined slickenside walls and is composed principally of highly altered, brecciated wall rock and a clay-like gouge. It contained no visible tungsten mineralization. The wall rock adjacent to the zone is soft and fractured. It sloughs badly after only short exposures and in most places requires timber support.

The other conditions encountered and work performed during the period are described in the operator's narrative.

The $891.00 total costs reported for the period on the operator's MF-104 forms--equivalent to the completed 33 feet of drifting at the agreed upon unit price of $27.00 per foot--are approved. Reimbursement to the operator of 75 percent of the approved reported costs, or $668.25, is recommended.

R. L. Bolmer

R. L. Bolmer, Mining Engineer

cc 6
E810
Chron

NARRATIVE REPORT
(Month Of November)

RECEIVED
DEC 22 1955

Docket No. DMEA-3546

Contract No. IDM-E&10

Contract work for the month of November consisted of drifting thirty-three feet south-westerly on the one-hundered and four foot level of the Big Cameron shaft. This work extended the present drift to an overall length of seventy-one feet. Some timbering was done to prevent caving of rock in bad portions of the drift. Country rock is about the same as previously reported aside from being somewhat more granitic. Vein matter changed into a combination of soapy talc, quartz impregnated with iron, and a highly oxidized gouge laying adjacent to the former.

Several rounds of drifting were performed in supplement to the contract work. These rounds were driven North-Easterly from the Big Cameron Shaft. In addition to actuall mining, a heavier duty high pressure air line was installed in the Big Cameron Shaft.

Hans Mosch
Hans Mosch (Partner)

Alvin Mosch
Alvin Mosch (Partner)

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

Budget Bureau No. 42-R1036.5

RECEIVED NOV 21 1955

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

Month of October, 195 5 Docket No. DMEA 3546 Contract No. IDM-E8I0
Operator's Name Hans Mosch and Alvin Mosch Minerals Tungsten
Address 5275 Dover St. Arvada Colo.
Contract Amount, $ 8280.00 Government Participation: 75 % Amount, $ 62I0.00

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~~ drifting	$756.00	$270.00	$I026.00			
~~Bulkloading~~ Assaying	0.00	$4.00	$4.00			
~~Cross cutting~~ Sinking	0.00	$34.00.00	$3400.00			
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	$756.00	$3674.00	$4430.00			

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

Date Nov. I, I955 *Payee Hans Mosch, Alvin Mosch

Per Alvin Mosch Title Partner

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

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

(Instructions on reverse)

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

$ 567 00

Signature RRC
(Authorized Certifying Officer)

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

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 810 in accordance with the terms of the contract.

Signature R. L. Bolmer $567.00 Title Mining Engineer Date NOV - 7 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature for Wm. Tyson Title Executive Officer Date NOV 10 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
NOV 21 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 195 5 Docket No. DMEA 3546 Contract No. IDM-E8TO
Operator's Name Hans Mosch and Alvin Mosch Minerals Tungsten
Address 5275 Dover St. Arvada Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	feet	$756.00	28	$1026.00	38	$27.00	152	$27.00
Crosscutting								
Raising								
Shafts	feet	0.00	0	$3400.00	50	$68.00	60	$68.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying	each	0.00	0	$4.00	1	$4.00	24	$4.00
TOTAL DISTRIBUTED COSTS		$756.00		$4430.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$756.00		$4430.00				$8280.00

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

REMARKS: Contract work for the month of Oct. commenced Oct. 1, 1955.

Date Nov. 1, 1955 Operator Hans Mosch, Alvin Mosch

Per Alvin Mosch Title Partner

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

(Instructions on reverse)

(For Government use only)

R. L. Bolmer

INSTRUCTIONS

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

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

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

GPO 872894

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

RECEIVED NOV 8 1955

224 New Customhouse
Denver 2, Colorado

November 10, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3546, (Tungsten) Contract Mm-E810, Mosch and Mosch, Big Cameron Mine, Boulder County, Colorado. Operator's Monthly Progress Report, for the period October, 1955

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

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

Remarks

Date of Report- - - - - - - - - - - - - - - - November 1, 1955
Date Received in Field Office- - - - - - - November 3, 1955
Date Received in Region Office- - - - - - November 8, 1955

W. M. Traver

By J. W. Townsend

Enclosures
JDC:jy
cc: MF-104 File E810
Sec. Op. Comm. (2)
Shaw (2)
Chron.

REGION III

Memorandum

Building 20
Denver Federal Center
Denver 2, Colorado
November 7, 1955

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3546, Contract Idm-8810 (Tungsten), Mosch and Mosch (Big Cameron mine), Boulder County, Colorado
Progress report for October 1955

The progress reported this period under the subject short form contract--28 feet of combined crosscutting to and drifting southwesterly along the Steel Plate vein on the 104-foot level of the Big Cameron shaft--was verified during an inspection of the property November 1, 1955.

The Steel Plate vein flattened at a depth of about 90 feet and the bottom 14 feet of the Big Cameron shaft was sunk in the more consolidated rock in the footwall of that structure. The authorized 104-foot level heading was driven northwesterly from the shaft as a crosscut to intersect the vein. The Steel Plate vein was intersected at a distance of about 11 feet from the shaft and the heading, thereupon, was continued southwesterly as a drift along that structure (see attached sketch).

On the date of inspection, a total of 38 feet of combined crosscutting and drifting had been completed on the 104-foot level west of the shaft. The initial 10 feet of crosscutting from the shaft was completed and reported by the Operator last period. The 28 feet of advance reported by the Operator for the October period, therefore, is valid and proper.

The section of the Steel Plate vein, that has been exposed to date along the 104-foot level, strikes S. 65° W. and dips 65 degrees to 75 degrees to the northwest. The structure contained only about 1 inch of clay gouge where first intersected on the level. It widened toward the southwest reaching a maximum width of 8 inches midway along the drift. At this location, the vein zone contained clay gouge, altered and brecciated wall rock, and minor amounts of horn quartz.

In the present breast of the heading, the zone is 4 to 6 inches wide. Both the foot and hanging walls of the structure are a rather soft, biotite-schist. No tungsten mineralization was observed along its exposed length.

The $756.00 total costs reported for the period on the Operator's MF-104 forms--equivalent to the completed 28 feet of combined crosscutting and drifting at the agreed upon unit price of $27.00 per feet--are approved. Reimbursement to the Operator of 75 percent of the approved reported costs, or $567.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB:pk

cc 6
Ism-WSLO
Chron.

RRB

RECEIVED
NOV 21 1955

NARRATIVE REPORT

(Month Of October)

Docket No. DMEA-3546

Contract No. IDM-E8IO

Work performed for the month of October consisted of correcting troubles which had caused equipment failure, of drifting South Westerly on the Big Cameron vein for a distance of twenty eight feet, and of timbering the collar of this drift.

The drift was directed into the hanging wall for reasons described in Narrative Report for the month of September. The vein was opened up about ten or fifteen feet from the Big Cameron Shaft and is being followed by our partnership. When first intercepted, the vein was of negligible width. Several rounds of drifting have opened it up to a width of eight inches. The present width of the vein on the South West breast of the drift is about six inches. Country rock on both walls of the vein appears to be a rather hard Schist. During the drifting some aplite was opened up on the foot wall side of the vein.

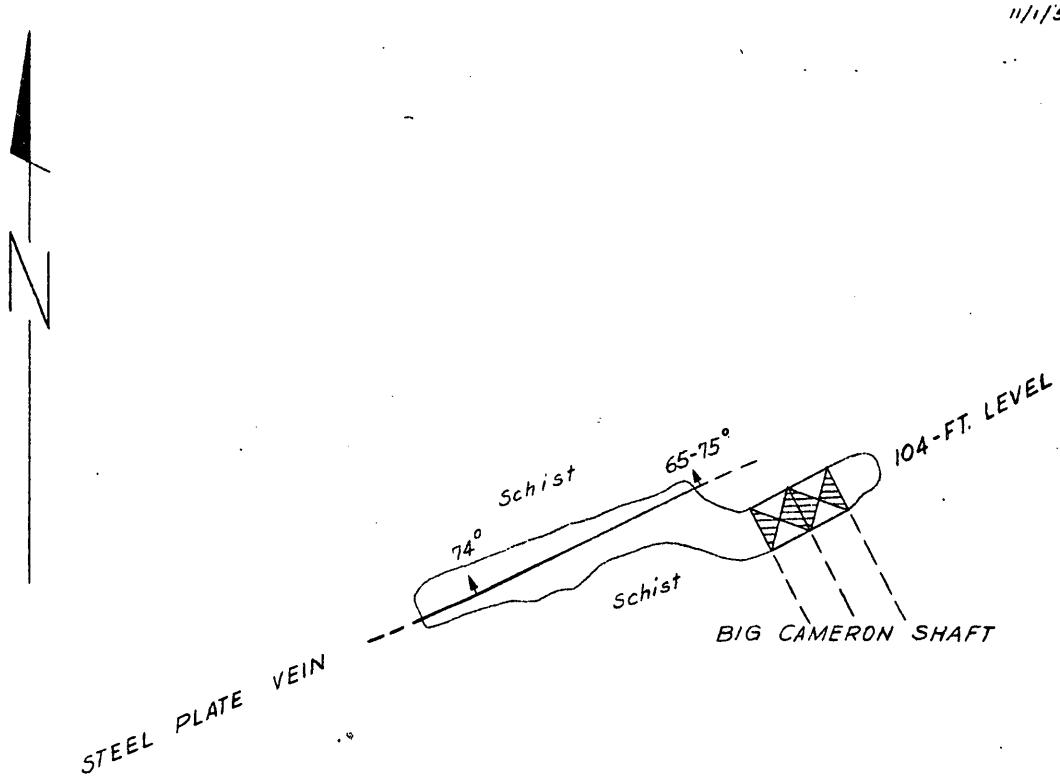
Hans Mosch

Hans Mosch(Partner)

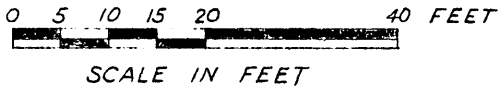
Alvin Mosch

Alvin Mosch (Partner)

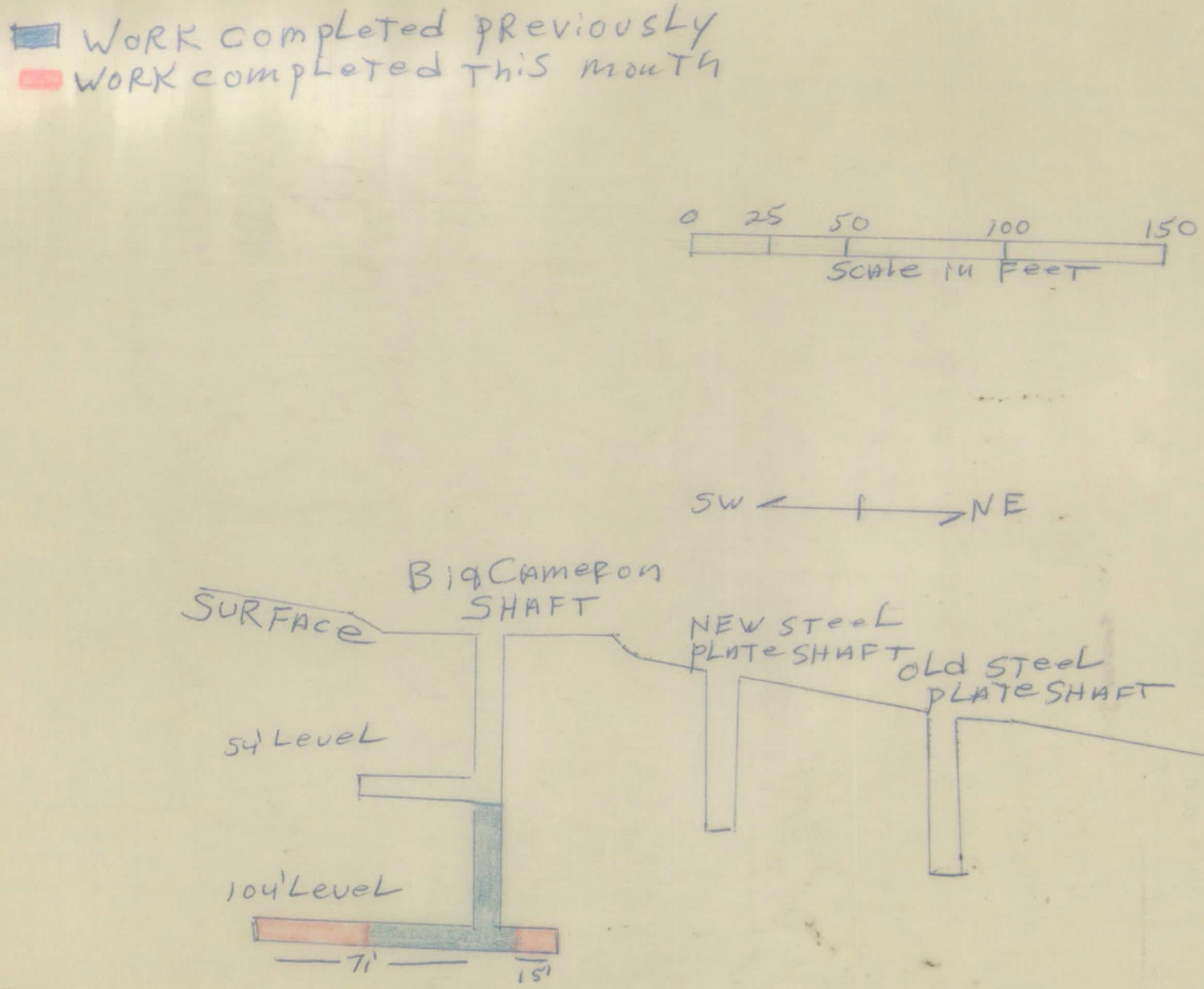
R. L. Bolmer
11/1/55



PLAN OF 104-FT. LEVEL
BIG CAMERON MINE BOULDER COUNTY, COLO.



Mosch and Mosch DMEA 3546 (Tungsten) Contract Idm-E810



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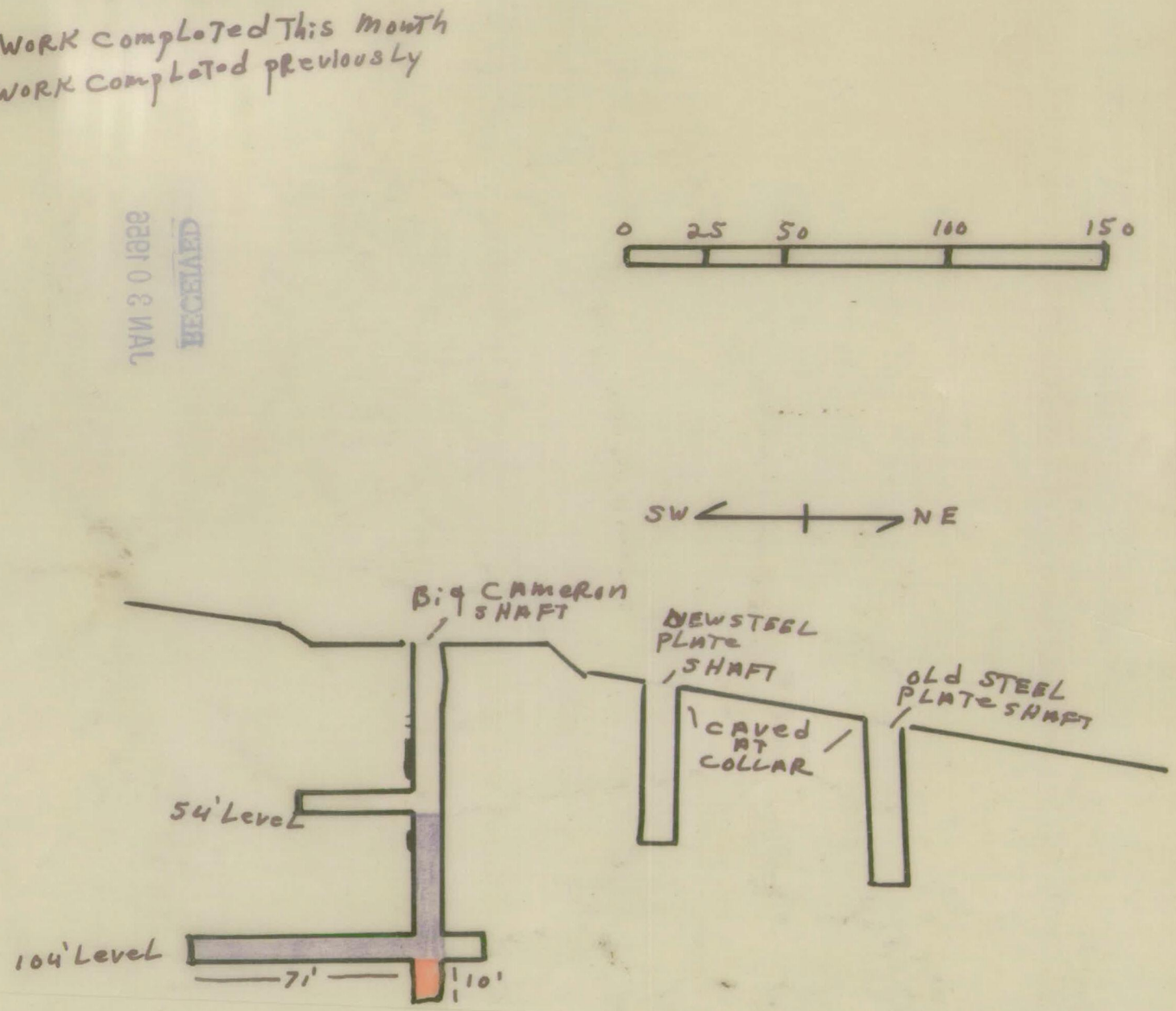
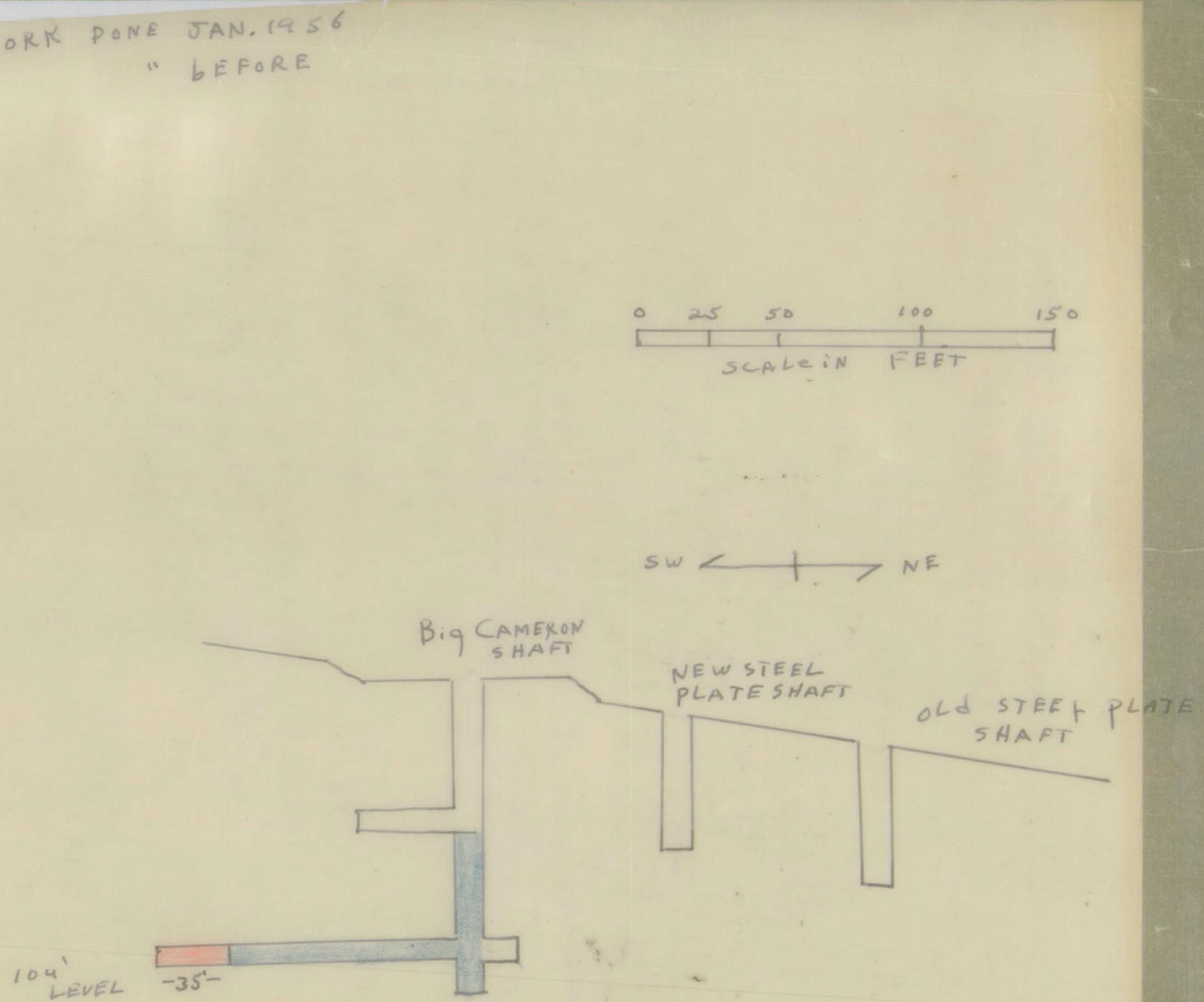
DEC 22 1956



RECEIVED
JAN 30 1955



LONGITUDINAL SECTION ALONG STEEL PLATE VEIN

RECEIVED
FEB 16 1956

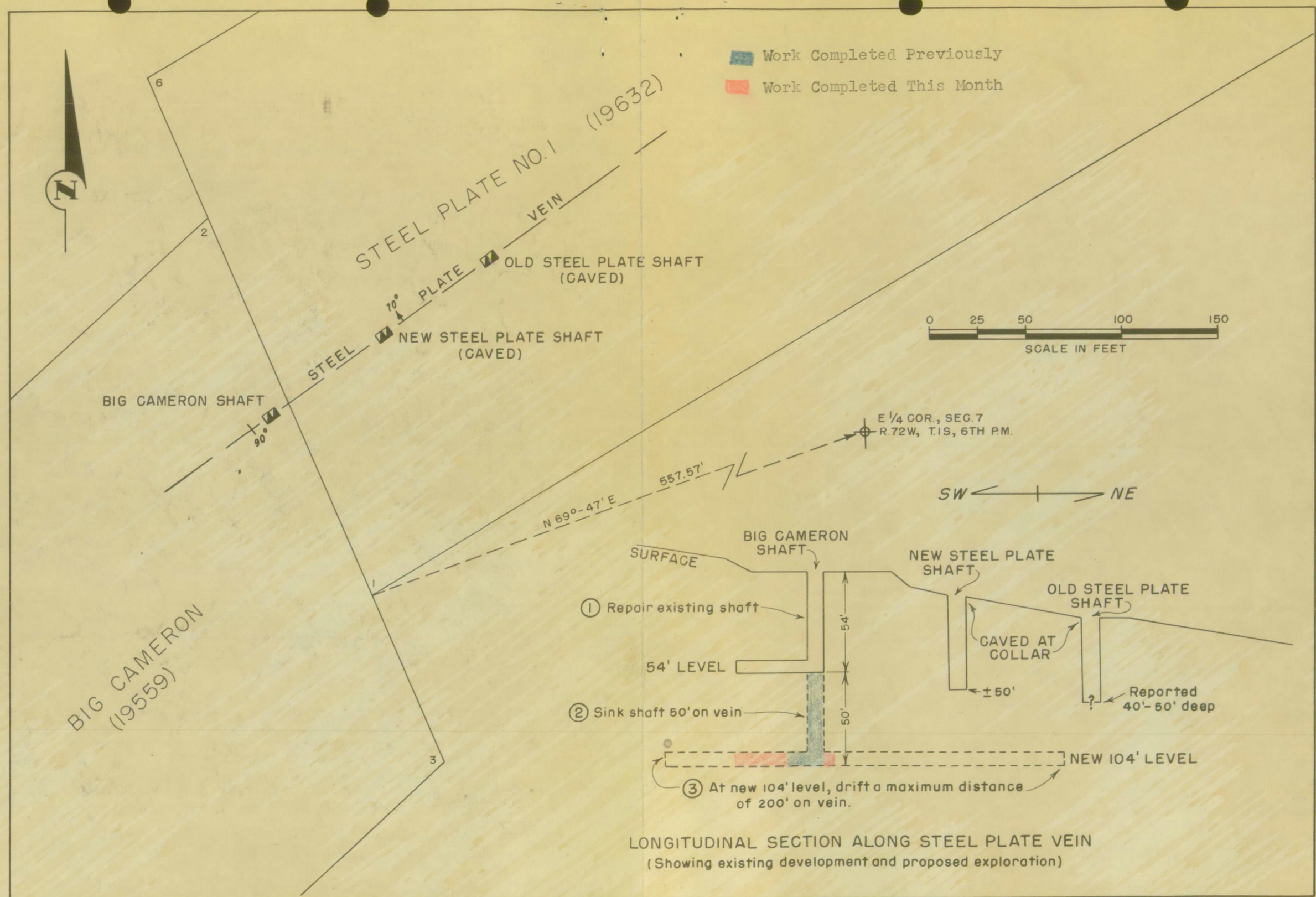


FIGURE 3-PLAN AND SECTION OF BIG CAMERON MINE, BOULDER COUNTY, COLO. (DMEA 3546)

RECEIVED
NOV 2 1 1955

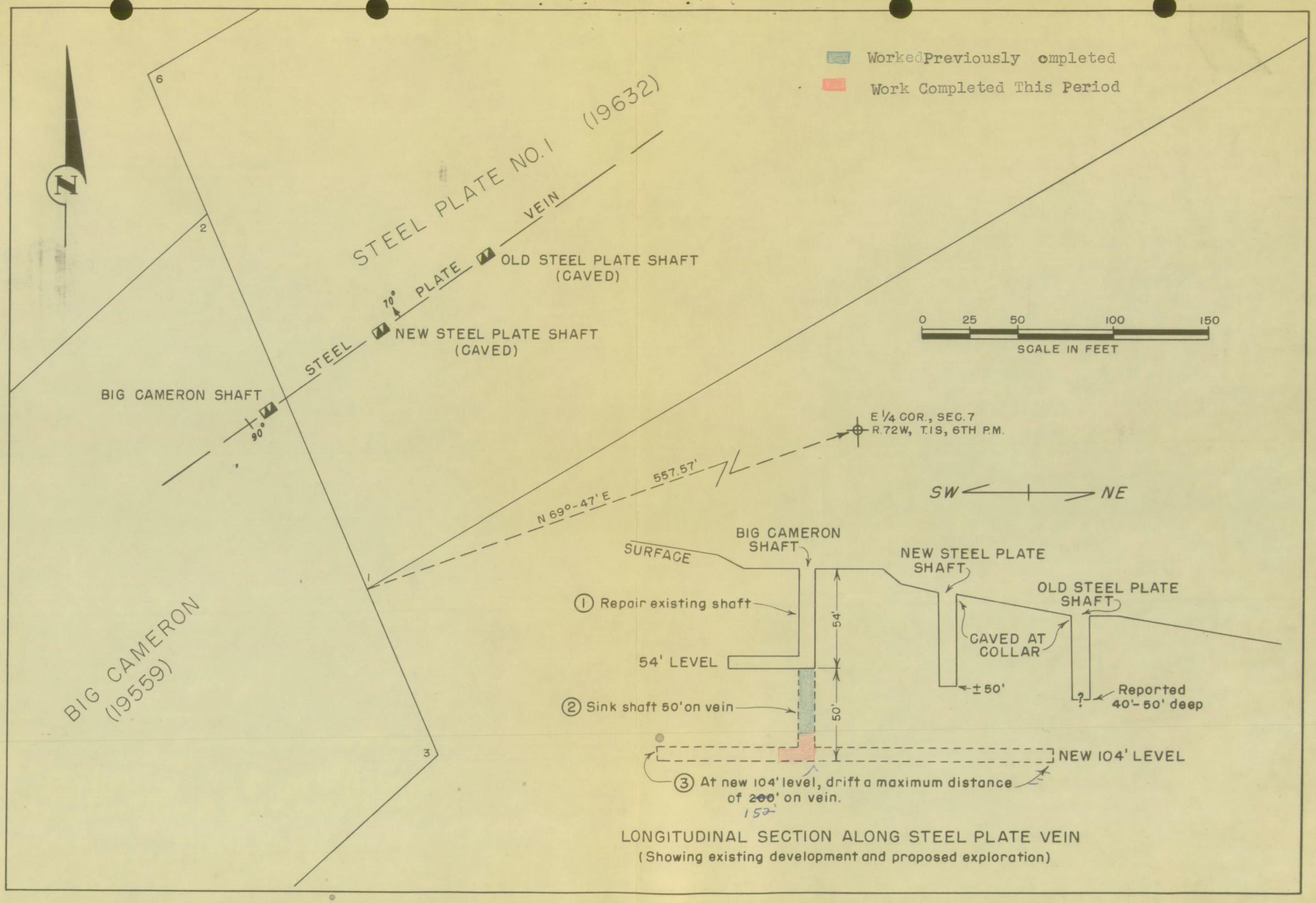


FIGURE 3- PLAN AND SECTION OF BIG CAMERON MINE, BOULDER COUNTY, COLO. (DMEA 3546)

RECEIVED
OCT 31 1955

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 31 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1955 Docket No. DMEA 354 Contract No. [redacted]
Operator's Name [redacted] Minerals [redacted]
Address [redacted]
Contract Amount, $ [redacted] Government Participation: 75% Amount, $ 6210.00

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:						
[redacted]	[redacted]	[redacted]	[redacted]			
[redacted]	[redacted]	[redacted]	[redacted]			
[redacted]	[redacted]	[redacted]	[redacted]			
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	$1154.00	$2520.00	$3674.00	1154.00	2520.00	3674.00

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

Date Oct. 2, 1955 Payee [redacted]

Alvin Mosch

Per [redacted] Title [redacted]

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

$ 865.50

Signature [illegible]
(Authorized Certifying Officer)

Date 10/25/55 Vou. No. DMA-56-52

*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)

(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. E810 in accordance with the terms of the contract.

Signature R. L. Bolmer, $865.50 Title Mining Engineer Date OCT - 7 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Palmer Title Executive Officer Date OCT 17 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
April 1952

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
OCT 31 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

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

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Crosscutting								
Raising								
Shafts	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60	[illegible]
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying	each	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Distributed Costs		[illegible]		[illegible]				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		[illegible]		[illegible]				[illegible]

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

Date Oct. 1, 1955 Operator [illegible]
Per Alvin Mosch Title Partner

Remarks: Contract work for the month of Sept. commenced Sept. 1, 1955.

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

(Instructions on reverse)

(For Government use only)

R. L. Bolmer

INSTRUCTIONS

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

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

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

GPO 872894

NARRATIVE REPORT

(Month Of September 1955)

RECEIVED
OCT 31 1955

Docket No. DMEA-3546

Contract No. IDM-E810

Work performed during the month of September consisted of sinking the Big Cameron Shaft to a depth of one hundered and four feet, and drifting South Westerly ten feet. Subsequent to the flattening out of the vein as previously reported, we departed from it by continuing to sink the Big Cameron shaft in a vertical manner. This was done for the sake of having a better shaft to work through. The drift was driven with an inclination into the hanging wall to enable us to relocate and follow the vein as we drift.

The remaining portion of the shaft as extended from the ninety one foot depth was sunk through rock consisting of gneissic granite and sills of oxidized quartz. In the lower portion of the shaft we encountered an abundance of aplite. Upon contact with the quart sills, seepage water increased. For several weeks is was necessary to bail out over one thousand gallons of water per day. Towards the end of our present sinking the seepage diminished to a negligible amount.

Hans Mosch (Partner)

Alvin Mosch (Partner)

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

RECEIVED
OCT 31 1955

224 New Customhouse
Denver 2, Colorado

October 28, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3546 (Tungsten) Contract Idm-E810, Mosch and Mosch, Big Cameron Mine, Boulder County, Colorado

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

W. M. Traver

By J. W. Townsend

Encls.

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

RECEIVED
OCT 31 1955

October 17, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3546 (Tungsten), Contract IAm-E810, Mesch and Mesch, Big Cameron Mine, Boulder County, Colorado - Operator's Monthly Progress Report, for the period September, 1955

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

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

DATES

Date of Report----------October 1, 1955
Date Received in Field Office----------October 5, 1955
Date Received in Region Office----------October 7, 1955

W. M. Trevor

Enclosures

JC:ab
cc: MF-104 File E810
Sec. Op. Comm. (2)
Shaw (2)
Chron.

DMEA
Date Rec'd.

OCT 7 1955

BUREAU OF MINES
Denver, Colorado

Building 20
Denver Federal Center
Denver 2, Colorado
October 7, 1955

REGION III

Memorandum

To: Executive Officer, DMEA Field Team, Region III

RECEIVED
OCT 31 1955

Through: John F. Shaw
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3546, Contract Idm-2810 (Tungsten),
Moech and Moech (Big Cameron mine),
Boulder County, Colo. - Progress report
for September 1955

The progress reported this period under the subject short form contract--sinking the Big Cameron shaft an additional 13 feet and drifting 10 feet northwesterly from the bottom of the shaft--was verified during an inspection of the property October 4, 1955.

On the date of inspection, the Big Cameron shaft had been sunk to a depth of 104 feet below a previously established reference point at its collar. Shaft timbers had been installed to a depth of approximately 92 feet. The existing depth of the shaft at the start of contract work was 54 feet. The shaft was extended 37 feet under the contract, to a depth of 91 feet, during July and August. The operator previously has reported and been reimbursed for project work completed during these months. The additional 13 feet of sinking, which the operator reports for the September period, therefore, is valid and proper.

Drifting 152 feet southwesterly from the shaft on the 104-foot level, 10 feet of which was completed during September, is authorized under the contract. The contract also authorizes a total of 60 feet of shaft sinking to the 114-foot level. The shaft is making moderate amounts of water and the final 10 feet of authorized sinking probably will be needed to provide for a sump below the 104-foot level. It will be completed after the 104-foot level has been advanced a sufficient distance away from the shaft.

The headings driven this period remained in schist. The Steel Plate vein flattened at a depth of about 90 feet and the bottom 14 feet of the shaft was sunk in the more consolidated and harder rock in the footwall of the structure. The 104-foot level was angled northwesterly from the shaft as a crosscut to intersect the vein. On the date of inspection, the level had not been advanced far enough in this direction to cut the vein.

The $1,154.00 total costs reported for the period on the operator's MF-104 form--equivalent to 13 feet of shaft sinking and 10 feet of drifting at the agreed upon unit prices of $68.00 and $27.00 per foot respectively--are approved. Reimbursement to the operator of 75 percent of the approved reported costs, or $865.50, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB:ph

cc 6 ✓
Idm-2510
Chron

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

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

Budget Bureau No. 42-R1036.5

RECEIVED
SEP 26 1955

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

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						
[redacted]	[redacted]	[redacted]	[redacted]			
Crosscutting						
Drifting						
[redacted]	[redacted]	[redacted]	[redacted]			
(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	[redacted]	[redacted]	[redacted]			

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

Date [redacted] Payee [redacted]

Per alvin Mosch [redacted] Title [redacted]

*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:

$ 870.00

Signature RRC
(Authorized Certifying Officer)

Date 9-13-55 Vou. No. DMA-56-27
(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. E810 in accordance with the terms of the contract.

Signature R. P. Balmer, $870.00, W.S.R. for H.S. Title Mining Engineer Date SEP - 8 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. M. Inman Title Executive Officer Date SEP 12 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP 26 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

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

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	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Crosscutting								
Raising								
Shafts	[redacted]	[redacted]	17	[redacted]	37	[redacted]	60	[redacted]
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
[redacted]	[redacted]	[redacted]	1	[redacted]	1	[redacted]	[redacted]	[redacted]
TOTAL DISTRIBUTED COSTS		[redacted]		[redacted]				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		[redacted]		[redacted]				[redacted]

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 [redacted] Operator [redacted]
Per Alvin Mosch [redacted] Title [redacted]

REMARKS: [redacted]

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

(Instructions on reverse)

(For Government use only)

R. L. Bolmer

INSTRUCTIONS

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

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

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

GPO 872894

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

RECEIVED
SEP 26 1955

224 New Customhouse
Denver 2, Colorado

September 12, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3546, (Tungsten), Contract Idm-E810, Mosch and Mosch, Big Cameron Mine, Boulder County, Colorado - Operator's Monthly Progress Report, for the period August, 1955.

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

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

Remarks
Date of Report- - - - - - - - - - - - - - - - - - - September 1, 1955
Date Received in Field Office- - - - - - - - - - September 2, 1955
Date Received in Region Office- - - - - - - - - - September 9, 1955

W. M. Traver

Enclosures

JDC:jy

cc: MF-104 File E810
Sec. Op. Comm. (2)
Shaw (2)
Chron.

RECEIVED
SEP 26 1955
DMEA
Date Rec'd.

Building 20
Denver Federal Center
Denver 2, Colorado
September 8, 1955

Region III

SEP 9 1955
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw
Supervising Mining Engineer

WHRAS for JFS

From: R. L. Bolmer

Subject: DMEA 3546, Contract IAm-2810 (Tungsten), Smith and Smith (Big Cameron mine), Boulder County, Colorado -- Progress report for August, 1955

The progress reported this period under the subject short term contract -- the extension of the Big Cameron shaft for a distance of 17 feet along the Steel Plate vein -- was verified during an inspection of the property September 7, 1955.

On the date of inspection, the Big Cameron shaft had been sunk to a depth of 91 feet below a previously established reference point at the collar of the shaft. Shaft timbers had been installed to a depth of approximately 80 feet.

The existing depth of the shaft at the start of contract work on July 7, 1955 was 54 feet. The shaft was sunk 20 feet to a total depth of 74 feet during the month of July. The operator previously has reported and been reimbursed for the July advance. The additional 17 feet of sinking that the operator reports for the month of August, therefore, is valid and proper.

The conditions encountered during the month are reported adequately in the operator's narrative. The Steel Plate vein has continued in subject to the present depth of the shaft. In the bottom of the shaft the poorly defined vein now contains from 6 to 10 inches of rusty quartz and brecciated wall rock. The structure appears to flatten with increased depth toward the north west.

The portions of the vein that presently are exposed in the lower unimbered portions of the shaft contain no visible tungsten mineral. One sample of the vein, which was taken by the operator at a depth of about 80 feet and presently is hidden behind the lagging, reportedly assayed 1.74 percent WO_3.

The formation in the bottom 10 feet of the shaft has started to make a small quantity of water and has necessitated some bailing during each shift. The wall rock at this depth is quite soft and does not stand well without timber support.

The work, which the operator reports for the August period, was performed according to the specifications stipulated in the contract. The $1,160.00 total costs reported on the operator's MP-10b form for the period -- equivalent to 17 feet of shaft sinking at the agreed unit price of $68.00 per foot plus the analysis of one sample at the stipulated price of $4.00 -- are approved. Reimbursement to the operator of 75 percent of the approved costs, or $870.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB:jw

cc: 6 ✓
MRLB
Chron.

NARRATIVE REPORT

(Month of August 1955)

RECEIVED
SEP 26 1955

Docket No.DMEA-3546

Contract No.ID2-E8IO

Work performed in the first week of August consisted of concluding repairs in the pre-existing portion of the Big Cameron Shaft, installing IOO feet of eight inch ventilation pipe, installing a I/2 inch water line for a gravity water system of drilling, and in reconditioning faulty tools and equipment. Such work is now completed and little more than ordinary maintenance need be required in the future.

Contract work commenced August 8, 1955, for the month of August, and consisted of sinking the Big Cameron Shaft to a depth of 9I feet. The method of square set timbering with the hanging and footwall sides being lagged is proceeding to be used. We encountered water at a depth of eighty feet. Increased depth is now resulting in increased water seepage.

The mineralized vein is rolling under the hanging wall. Some tungsten ore assaying tungsten oxide(WO_3) I.7% was exposed at a depth of about eighty feet. The country rock on the footwall side of the vein is changing from a schist to a highly oxidized white quartz.

Hans Mosch (partner)

Alvin Mosch (partner)

Form MP-104 (Rev.)
(April 195[illegible])

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 195 5 Docket No. DMEA 3546 Contract No. 1DM-E810
Operator's Name Hans Mosch and Alvin Mosch Minerals Tungsten
Address 5275 Dover St. Arvada Colo.
Contract Amount, $ 8280.00 Government Participation: 75 % Amount, $ 6210.00

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:						
~~Exploratory~~ Drifting						
~~Bulk~~ Grassaying						
Crosscutting						
Drifting						
Sinking	$1360.00	$0.00	$1360.00			
(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	$1360.00	$0.00	$1360.00			

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

Date Aug. 1, 1955 *Payee Hans Mosch, Alvin Mosch
Hans Mosch Alvin Mosch

Per Alvin Mosch Title Pardner

*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.

RECEIVED
AUG 22 1955

→ 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:

$ 6020.00

Signature RPC
(Authorized Certifying Officer)

Date 8/11/55 Vou. No. DMA-56-14

(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-810 in accordance with the terms of the contract.

Signature R. S. Bolmer, $1020.00 Title Mining Engineer Date Aug. 4, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date AUG - 9 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form DMEA F-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1955 Docket No. DMEA 3546 Contract No. DML-E 810
Operator's Name Hans Mosch and Alvin Mosch Minerals Tungsten
Address 5275 Dover St., Arvada Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	feet	—	—	—	—	—	152	$27.00
Crosscutting								
Raising								
Shafts	feet	$1360.00	20	$1360.00	20	$68.00	60	$68.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assays	each	—	—	—	—	—	24	$4.00
TOTAL DISTRIBUTED COSTS		$1360.00		$1360.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$1360.00		$1360.00				$8280.00

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

Date Aug 1 1955 Operator Hans Mosch, Alvin Mosch
Hans Mosch

Per Alvin Mosch Title Partner
Alvin Mosch

REMARKS: Contract sinking commenced July 7, 1955 at a depth of 54 feet in the Big Cameron shaft.

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

(Instructions on reverse)

(For Government use only)
R. A. Bolner

INSTRUCTIONS

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

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

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

GPO 872894

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

224 New Customhouse
Denver 2, Colorado

August 9, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3546 (Tungsten), Contract Idm-E810, Mosch & Mosch, (Big Cameron mine), Boulder County, Colorado - Operator's Monthly Progress Report for the month of July, 1955

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

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

Remarks:

Date of Report . . . . . August 1, 1955
Date Received in Field Office. . . . August 2, 1955
Date Received in Region Office . . . August 8, 1955

W. M. Traver

W. M. Traver

Enclosures

JDC:sr

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

Date Rec'd
AUG 8 1955
BUREAU OF MINES
Denver, Colorado

Building 20
Denver Federal Center
Denver 25, Colorado
August 8, 1955

Region III

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shea
Supervising Mining Engineer

From: R. L. Bolmer

Subject: DMEA 3546, Contract Ida-810 (Tungsten), Nesch and Nesch (Big Cameron mine), Boulder County, Colorado -- Progress report for July, 1955

The progress reported this period under the subject short form contract - 20 feet of shaft sinking - was verified during an inspection of the property August 1, 1955.

Project work at the property commenced July 7, 1955. The existing depth of the Big Cameron shaft on that date measured 54.0 feet below a surface reference point (spike in timbers of shaft collar) established by the inspecting engineer. The initial preparation work subsequent to the starting date involved the rehabilitation and repair of the existing shaft. New ladders and platforms were installed for the full length of the manway compartment and certain sections of both the manway and hoisting compartments were lagged. Actual extension of the shaft, as authorized under the contract, started during the latter half of the month. The shaft had been sunk for a distance of 20 feet along the Steel Plate vein, or to a total depth of 74.0 feet below the surface reference point, by the date of the latest inspection.

The shaft extension was excavated to an 8-by 4-foot cross section inside the shaft timbers as stipulated in the contract. Shaft timbers were carried as close to the face of the heading as was feasible.

The Steel Plate vein exposed during the period continued nearly vertical within a wall rock of soft biotite-schist. The structure itself was about one foot wide and was composed of horn quartz, gouge, and brecciated wall rock. Tungsten mineralization was not observed along this section of the structure.

The $1,360.00 total costs reported for the period on the operator's MF-10A forms - equivalent to the completed 20 feet of sinking at the agreed upon unit price of $68.00 per foot - are accepted. Reimbursement to the operator of 75 percent of the accepted amount, or $1,020.00, is recommended. Payment should be mailed to 5275 Dover Street, Arvada, Colorado.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB:jw

cc: 6
ZT09
Chron.

NARRATIVE REPORT
(for month of July 7-31, 1955

Contract No. IBM-E810
Docket No. DMEA 3546

Contract work on the Big Cameron shaft commenced July 7, 1955. The earlier portion of the July month consisted of repairing the existing fifty-four feet of the Big Cameron shaft. Old ladders were removed and replaced by new ones. We found it necessary to lag in all open sections of the square sections along the foot wall. The surface waters seeping throughout the schist had caused it to slack and become dangerously loose. More work is yet required in this portion of the shaft, and will be performed during the first week of August.

During the latter part of July, an additional twenty feet of shaft was sunk. This lowered the depth to Seventy-four feet from the surface. Schist persisted to this depth. The mineralized vein has increased in width. Though the vein has pitched vertical from the surface, it now appears to be rolling under the hanging wall. Traces of tungsten were found in the hanging wall abreast of the actualvein. Square set timbering is continuing to be done, and the hanging and foot-wall sides are being heavily reenforced with lagging.

Alvin Mosch
Hans Mosch

The Steel Plate vein, as exposed southwesterly along the 104-foot level, is a weak and barren structure within an unfavorable host rock. There is no apparent justification for continuing the project heading on such unpromising prospects. We concur with the operator that further exploration of the structure in this direction is not warranted and recommend that the project be terminated by mutual consent.

R. L. Bolmer

R. L. Bolmer
Mining Engineer, Bureau of Mines

D R Macharen

D. R. Maclaren
Geologist, Geological Survey

RLB/mv
cc 9
Idm-BBJO
RHHarshman
Charon

DMEA
Date Rec'd.

MAR 16 1956

BUREAU OF MINES
Denver, Colorado

RECEIVED

APR 23 1956

5275 Dover St.
Arvada Colo.

March 12, 1956

United States Dept. Of Interior
DMEA Administration

Re: Docket DMEA 3546 (Tungsten)
Contract No. Idm-E8I0

Gentlemen;

DMEA contract work alloted to our Partnership for The Big Cameron Mine is nearly completed. Fourteen feet of south-westerly drifting remains unfinished. In recognizing that this drift has revealed a negligible indication of encouraging mineralization and rock structure, and that it is very costly due to the necessity for its having to be heavily timbered, our Partnership requests the Government to effect its cancelation.

Recently completed drifting north-easterly on the vein from the Big Cameron shaft has opened up a highly mineralized area. Our Partnership seeks to devote full time toward exploration of this portion of the vein.

Very Respectfully Yours,

Hans Mosch

Hans Mosch(Partner)

Alvin Mosch

Alvin Mosch(Partner)

EXPLORATION PROJECT CONTRACT
HANS MOSCH AND ALVIN MOSCH, PARTNERS
DOCKET NO. DMEA 3546
CONTRACT NO. IDM-E810

AMENDMENT NO. 1

It is agreed this 15th day of December, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Hans Mosch and Alvin Mosch, partners, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E810, Docket No. DMEA 3546, dated June 6, 1955, hereinafter called the "Contract," that:

1. The date of "January 1, 1956" established under "Article 3" as the date on or before which the work shall be completed is extended to March 6, 1956.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Executed in sextuplet the day and year first above written.

UNITED STATES OF AMERICA

By W. M. Traver

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

OPERATOR

By Hans Mosch
Hans Mosch, Partner

By Alvin Mosch
Alvin Mosch, Partner

5275 Dover St.
Arvada Colo.

December 9, 1955

United States Dept. Of Interior
DMEA Administration

Re: Docket DMEA 3546 (tungsten)
Contract Idm-E8I0

Gentlemen:

Project work contracted to our partnership for purpose of exploring The Big Cameron vein consisted of sixty feet of sinking and one-hundered and fifty-two FEET of drifting from the new depth of the Big Cameron Shaft. The expiration date for the completion of this project is January 6, 1956.

Ten feet of sinking and eighty-one feet of drifting yet require doing for the completion of the Big Cameron project. Several factors have delayed the progress of our work. Heavy ground has necessitated the timbering of the entire Shaft and some bad portions of the drift. Unforeseen equipment failure difficulties have created some delay, and adverse weather conditions are tending to retard progress as the work continues on.

It is doubtful that our Partnership can finish the contract upon or before the completion date as stipulated by the Government. Our Partnership desies to complete this project, and therofore requests the Government to extend the completion date to March 6, 1956.

Hans Mosch
Hans Mosch(partner)

Alvin Mosch
Alvin Mosch(partner)

DMEA
Date Rec'd
1 1975
BUREAU OF MINES
Denver, Colorado

400

Messrs. Hans Hesch and
Alwin Hesch
5275 Ruger Street
Arvada, Colorado

Re: Docket No. DMA 3546 - Tungsten
Big Cannon Mine
Boulder County, Colorado
Contract No. [illegible]

Gentlemen:

This is with reference to the subject exploration contract between Hans Hesch and Alwin Hesch, partners, and the Government.

It is not our intention to issue a certification of discovery or development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to the provisions of the contract which require the operator to keep and preserve certain records for the period indicated.

We regret that the exploration work performed did not result in a discovery or development. Your participation in the exploration program, however, is sincerely appreciated.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

SFHelt:fce
7/31/56
cc to: Docket
Code 400
Code 800
Admr. Read. File
FT. REG. III
Messrs. R. W. Holliday, USGM
T. H. Kiilsgaard, USGS

Hetzer Mines, Inc.

Reiner Mines, Inc.
Boulder, Colorado

Re: Docket No. DMEA 356 - Tungsten
Marsh and Marsh
Big Cameron Mine
Boulder County, Colorado
Contract No. 14-8510

Gentlemen:

Reference is made to a certain Owner's Consent to Lien executed by you on June 29, 1955, and to the above-referenced contract.

Enclosed for your information is a copy of a letter to the operator, advising the partnership that it is not our intention to execute a lien against the property referred to in the Owner's Consent to Lien and the contract, or the production from said property, as a result of work done under the subject contract.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

Enclosure

SFBolt/fee 7/31/56
cc to: Docket
Code 400
Code 800
Admr. Read. File
FT. REG. III
Messrs. R. W. Holliday, USBM
T. H. Killgaard, USGS

Government's C

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APR 23 1956

TERMINATION AGREEMENT

It is agreed this 9th day of April, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Mosch and Mosch, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-E810, Docket No. DMEA-3546, dated June 6, 1955, hereinafter called the "Contract," that:

1. Effective February 29, 1956, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the fixed unit costs of work performed prior to said effective date.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

4. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this termination agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

By O O Mittendorf
Administrator, Defense Minerals Exploration Administration

Hans Mosch
Hans Mosch, partner

Alvin Mosch
Alvin Mosch, partner

DMEA RECEIVED
Date Rec'd
MAR 23 1956
APR 23 1956

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
March 22, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: John F. Shaw Swt for
E. N. Marshman

From: R. L. Bolmer and D. R. MacLaren

Subject: DMEA 3546, Contract I4m-E810 (Tungsten), Mosck and Mosck, (Big Cameron mine), Boulder County, Colorado -- Recommendations regarding requested termination of project.

The operator under the subject contract, in a letter to the DMEA Field Team, Region III, dated March 12, 1956, requested that the authorized and nearly completed exploration project at the Big Cameron mine be terminated. The Field Team has asked for our recommendations regarding the matter.

All of the exploration work authorized for the project, with the exception of 14 feet of drifting and 23 assays, had been completed by the end of February, 1956. The final phase of the authorized program provided for 152 feet of drifting southwesterly along the Steel Plate vein on a new 104-foot level off the Big Cameron shaft. The operator has completed 138 feet of the authorized drifting.

The Steel Plate vein, as exposed southwesterly along the 104-foot level, was never a strong or well defined structure and remained barren of all tungsten mineralization. The structure itself began to weaken and split up about 100 feet west of the shaft. Beyond this point, the project heading followed the stronger or footwall branch of the vein. This structure was poorly defined and split again near the present breast of the drift. Each split narrowed to a knife edge and lost its identity among the other fractures in the country rock. The vein remained in schist for its full exposed distance. In the Boulder County tungsten district, schist is a notably poor host rock for ore deposition.

Mr. W. M. Traver, Executive Officer
DMEA Field Team, Region III
224 New Custom House
Denver 2, Colorado

Re: Docket No. DMEA 3546- Tungsten
Mosch and Mosch
Big Cameron Mine
Boulder County, Colorado
Contract No. Idm-E810

Dear Mr. Traver:

Reference is made to your letter of August 11, 1955, and to a copy of your letter to Mosch and Mosch, of the same date, on the captioned project.

We are sorry to advise that there has been a misapprehension concerning the last paragraph (which you quote) in our letter of July 5, 1955. We assumed that the Operator would probably desire to do some work on the Steel Plate claim at his own expense if he obtained a lease from Cold Spring Tungsten, Inc., and we did not wish to imply that the Government would participate in this work. The intention was to indicate the liability for royalties.

Please advise the Operator of this misapprehension.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

cc: Docket
Code 400
Oper. Comm.
Adm. Reading File
Thor Kiilsgaard, USGS
Robt. Holliday, USBM
FT, Region 3
Code 800

TLChapman/ls
8/17/55

Contra[illegible] No. Idm-E810

Docket No. 3546

DEPARTMENT OF THE INTERIOR **Terminated contract**

DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Please make the following entry on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program.

Date of Contract	Region	State	Commodity
June 6, 1955	III	Colorado	Tungsten

Name and Address of Operator: Hans and Alvin Mosch
Arvada, Colorado

	Reserve	Obligation
Prior Amount		$6,210.00
Increase		
Decrease		$ 352.50
Revised Amount	-0-	$5,857.50

Remarks:

(Name)
Robert B. Adams, Chief
Operations Control and
Statistics Division
(Title)

Date Delivered to Bureau of Mines, Washington 5/15/56

98963

Docket No. DMEA - 3546

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 810

Date of Contract ~~Of Amendment~~ June 6, 1955

Name and Address of Operator:
Hans and Alvin Hosch
Arvada, Colorado

Amount of Government participation ____ $ 6,210.00

Percent of Government participation 75 %

Region: 111 State: Colorado

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

(Title)

Date Delivered to Bureau of Mines, Washington. 6/6/55

54458

Government's Copy

RECEIVED

JUL - 5 1955

MF-200A
(Revised June 1954)

Docket No. DMEA-3546

Commodity Tungsten

Contract No. Idm-E 610

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT[1]
(Short Form)

It is agreed this 6th day of June, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Hans Mosch and Alvin Mosch, partners,

whose mailing address is Arvada, Colorado,

hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Exhibit "A," Annex I, and

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Colorado, County of Boulder, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee of [5] all mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] lease, [7] -- recorded in Book --, page --, official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: None

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows: Consent to Lien of the lessor

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 7, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 7(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of tungsten. The work to be performed is described in Exhibit "A." The Operator on or before July 15, 1955 shall commence the work, and on or before January 1, 1956 (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $8,280.00 The Government will contribute 75 percent of the fixed unit costs as work is performed, in a total sum not in excess of $6,210.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final 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 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work

performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records or accounts.

ARTICLE 7. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 6) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

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

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

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

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

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

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

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

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

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 8. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 8 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 9. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 10. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

MOSCH AND MOSCH
(Operator) (partners)

By Hans Mosch
(partner)

By Alvin Mosch
(partner)

THE UNITED STATES OF AMERICA

By C. Mittendorf
Administrator, Defense
Minerals Exploration
Administration

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—70618-1

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JUL - 5 1955

EXPLORATION PROJECT CONTRACT
MOSCH AND MOSCH
DOCKET NO. DMEA-3546

ANNEX I

The land referred to in Article 2 of the Contract is described as follows:

Big Cameron, U. S. Survey No. 19559; Fraction, U. S. Survey No. 19972; and the Jack, U. S. Survey No. 18346, all held by U. S. Patent. These claims are located in section 7, T. 1 S., R. 72 W., 6th P. M. Boulder County, Colorado.

The location of the land is shown on the map entitled "Figure 1 - Location Map, Big Cameron Mine . . ." attached hereto and made a part hereof.

RECEIVED
JUL - 5 1955

EXPLORATION PROJECT CONTRACT
MOSCH AND MOSCH
DOCKET NO. DMEA-3546

EXHIBIT "A"

Description of the Work

1. Extend the present 2 compartment shaft from the 54 foot level to the 114 foot level, a distance of 60 feet. The shaft shall be not less than 4 feet by 8 feet in the clear of timber.

2. On the 104 foot level, drift from the shaft 152 feet south-westerly along the Steel Plate vein. The drift shall be not less than 4 feet by $6\frac{1}{2}$ feet in cross-section. All mineralized zones shall be sampled and assayed for WO_3.

The shaft and drift shall be timbered as necessary.

The work is outlined on a map entitled "Figure 3 - Plan and Section of Big Cameron Mine . . .," attached hereto and made a part hereof.

FIXED UNIT COSTS

Sink two compartment shaft 60 feet @ $68.00 per foot	$4,080.00	
Drift 152 feet @ $27.00 per foot	4,104.00	
Assay approximately 24 samples @ $4.00 each sample	96.00	
Estimated total cost of project		$8,280.00
Government participation @ 75%		$6,210.00

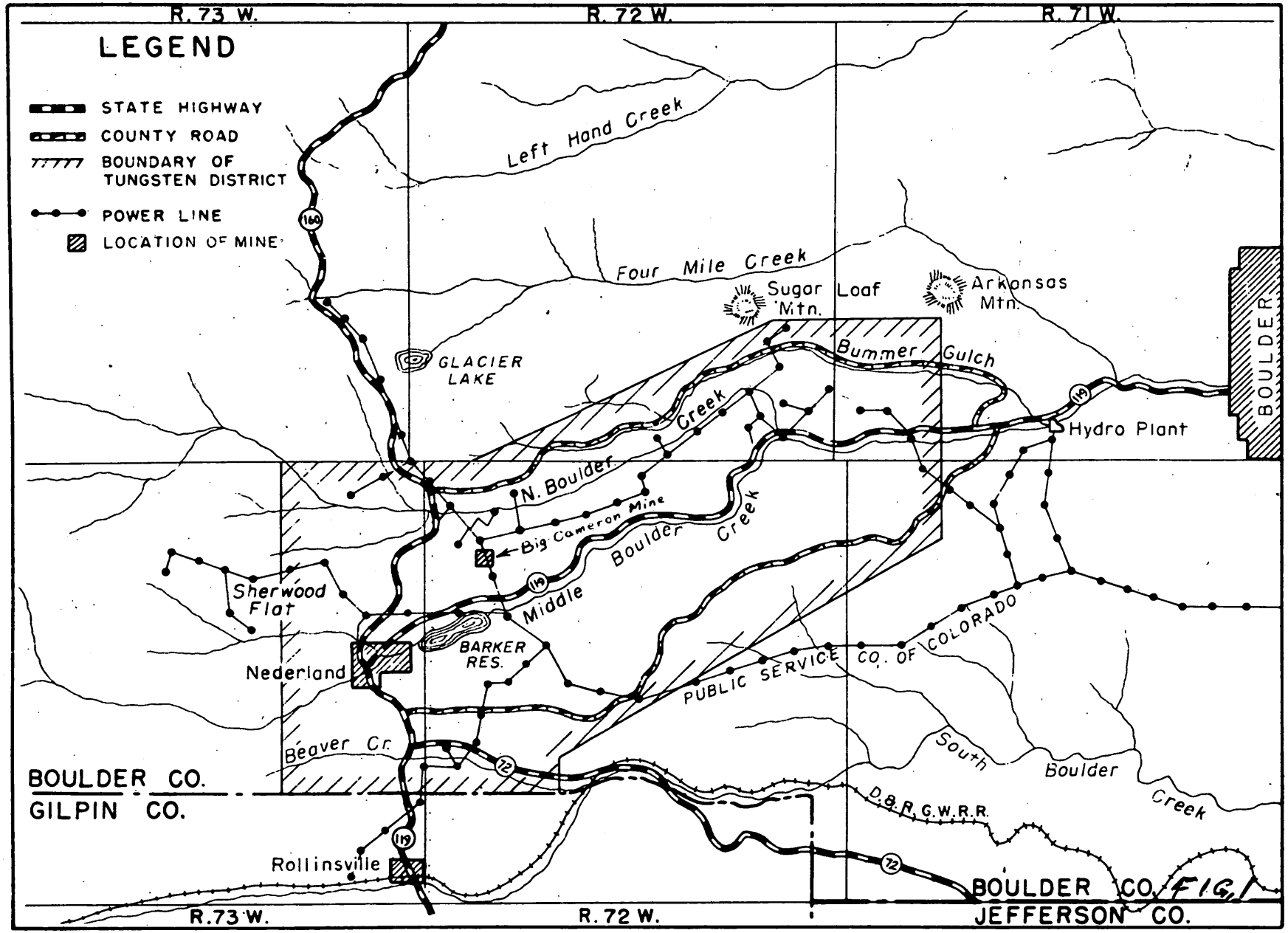

FIGURE 1 - LOCATION MAP, BIG CAMERON MINE, BOULDER COUNTY, COLO. (DMEA 3546)

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JUL - 5 1955

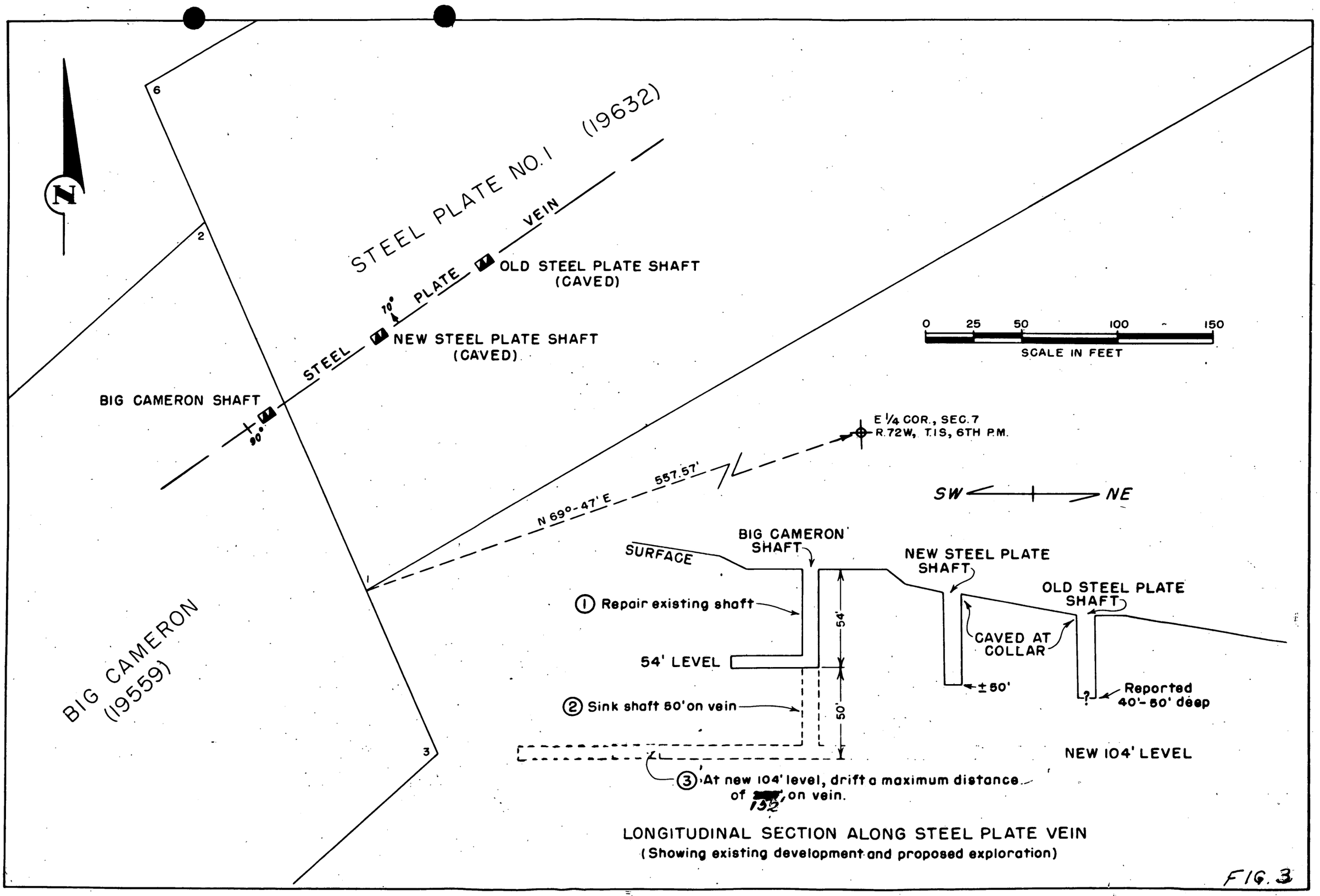


FIGURE 3- PLAN AND SECTION OF BIG CAMERON MINE, BOULDER COUNTY, COLO. (DMEA 3546)

RECEIVED
JUL - 5 1955

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator Mosch & Mosch
Docket No. DMEA- 3546
Contract No. Idm-E 810
Contract Date June 6, 1955

RECEIVED
JUL - 8 1955

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Boulder, State of Colorado, described as follows:1/

Big Cameron lode mining claim	U. S. Survey No. 19559
Fraction lode mining claim	U. S. Survey No. 19972
Jack lode mining claim	U. S. Survey No. 18346

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

None

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: _____

Dated this 29 day of June, 1951.

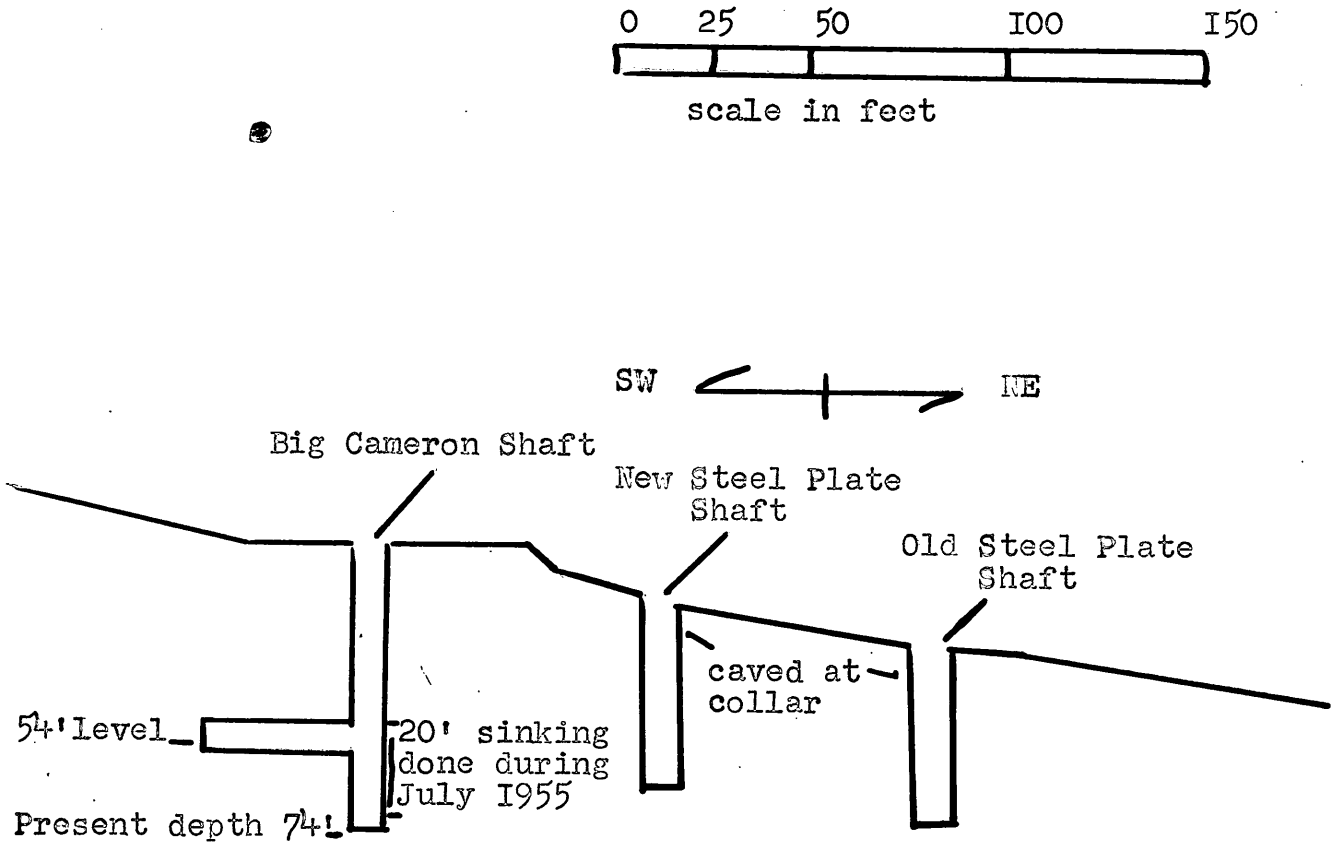
Alexander Prezel V Pres. [Seal]
HETZER MINES, INC.

_____ [Seal]

_____ [Seal]

I, Paul J. Newlen certify that I am the Secretary (Secretary, etc.) of the corporation named herein; that Alexander Prezel who signed this agreement was then Vice-President (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

Paul J. Newlen
[Corporate Seal]



LONGITUDINAL SECTION ALONG STEEL PLATE VEIN
(showing existing development work as of Aug. 1, 1955)

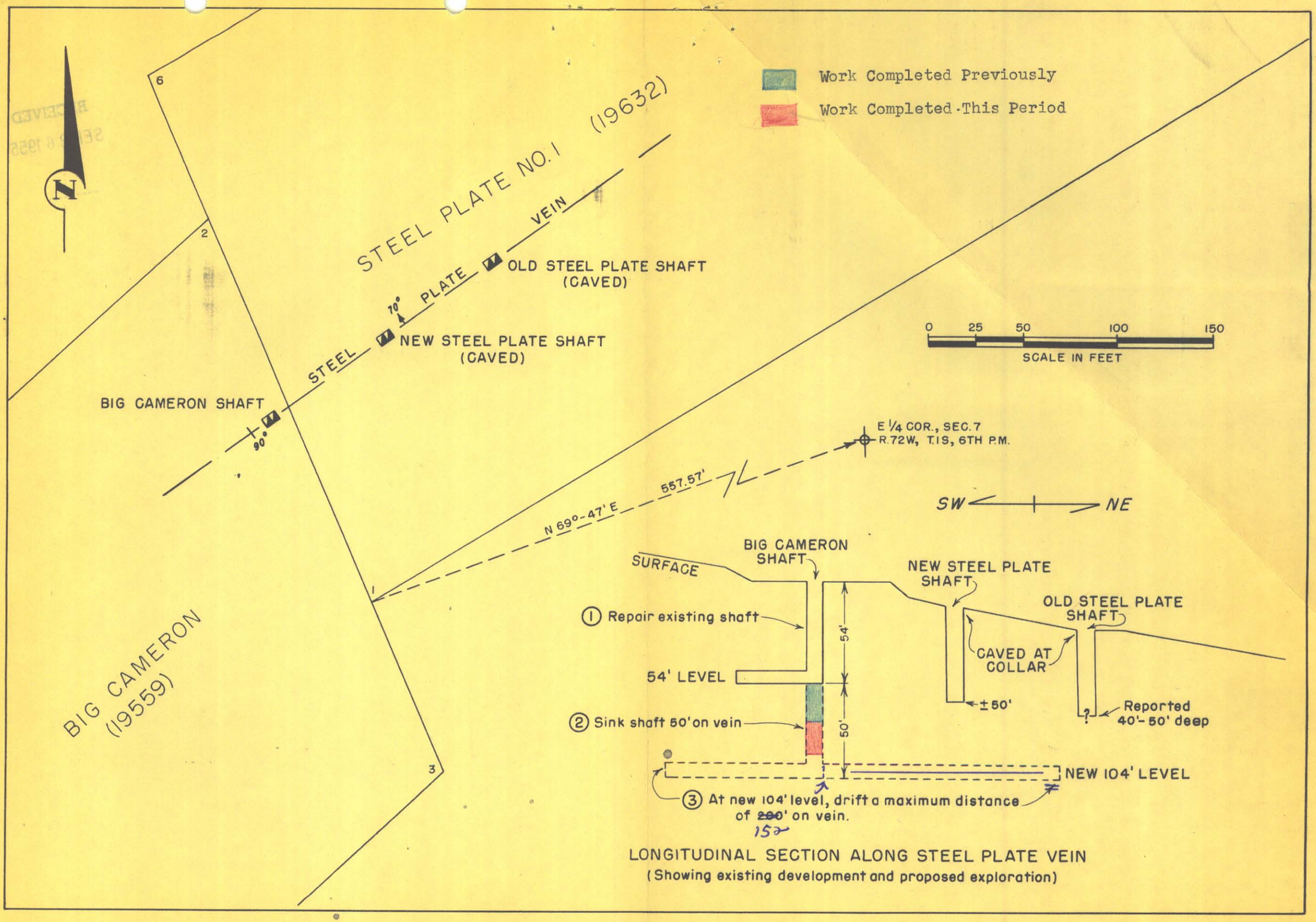


FIGURE 3- PLAN AND SECTION OF BIG CAMERON MINE, BOULDER COUNTY, COLO. (DMEA 3546)