~~Yes~~ Audited

~~No~~ Certified

W[illegible] ANALYSIS SHEET - DMEA PROJECT [illegible]

Analysis as of 12/16/1954
Incl. Voucher for

☐ Actual Cost

~~Yes~~ Agreed Unit Costs

Name Hallie "A" Mine. James L.McBroom & L.R.Allen

Docket No. DMEA-2650

State Colorado

Commodity Tungsten

Idm-E No. 415

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	160'	4,800.00	160'	4,800.00	30.00ft. 4,800.00
Raising	30'	1,800.00	28'	1,680.00	60.00ft. 1,680.00
Shafts					
Winzes	85'	5,100.00	77'	4,620.00	60.00ft. 4,620.00
Drilling (Specify)					
Surface Excavation		300.00		300.00	300.00
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.		600.00		600.00	600.00
Other (Specify)					
Totals		12,600.00		12,000.00	12,000.00

Prepared by Keating, TLC

71626

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

2650

WSM

I have reviewed the Monthly Reports of:

James L. McBroom and L. R. Allen
Box 372 A, Rt. 2
Boulder, Colorado

pertaining to Exploration Project Contract No. Idm-E415, Docket No. DMEA 2650, covering a project for exploration of Tungsten, for the months of November 1952 to June 1953.

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

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

The contract provides for payment by the Government on the basis of agreed estimated costs of Units of Work actually performed.

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

Total Cost as billed by Contractor		$12,000.00
Exceptions:		
By DMEA Finance Officer	None	
Herewith	None	None
Total Accepted Cost		$12,000.00

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 Nine Thousand Dollars and No/100

-$9,000.00-

is considered valid and proper.

Dated: September 14, 1953

Donald T. Finch
Donald T. Finch
Auditor

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

400

224 New Customhouse
Denver 2, Colorado

November 6, 1953.

Memorandum

WSM

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104 - DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen, a partnership under the name Hallie "A" Mining Company, Boulder County, Colorado.

Enclosed are two copies of the Operator's Final Progress Report MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of June 1953, pertaining to DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen, a partnership under the name Hallie "A" Mining Company, Boulder County, Colorado.

There was no jointly-owned property purchased under this contract. The contract was a short form one prepared on Form MF-200A.

Forms were processed for payment in conformance with the Report of Review by the Contract Administration and Audit Division, dated September 14, 1953.

Government's full contribution amounted to $9,450.00 as allowed by the contract.

Copies of Engineer's Final Report, Geologist's Final Report and Operator's Final Report will be transmitted at a later date after all data has been assembled in this office.

W H King
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

October 28, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen, a partnership under the name Hallie "A" Mining Company, Boulder County, Colorado-Operator s Monthly Progress Report for the month of June, 1953.

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

The Operator has complied with the terms of the contract, therefore, final payment to the Operator is recommended in conformance with the Report of Review by the Contract Administration and Audit Division, dated September 14, 1953, which was released to this office October 26, 1953.

W. H. King

W. H. King

Enclosures

JWT:es

cc: Contract
Chron.
Sec. to the Oper. Comm.
Traver

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
July 20, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2650, Contract Idm-2415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for June 1953

Enclosed please find the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative and sketch--and the original and six copies of R. L. Holmer's memorandum covering the inspection of the underground progress and reports. The contract is short form, and documentation is not required.

The 20 feet of drifting on the 100-foot level is verified correct as reported in the narrative and entered on the MF-104A form. This completes the 160 feet of drifting authorized by the contract and verified by the inspecting engineer and the assigned geologist, E. N. Marshman. A request for additional work was withdrawn by mutual agreement between the contractor and field examiners.

The contract is completed, and it is recommended that the narrative report submitted be accepted as a final project report by the operator. A report by the engineer and geologist making the field examination will be prepared, and the project can be closed without a certification of discovery.

Payment is approved and certified on the MF-104 form of $450.00, or 75 percent of the $600.00 claimed by the contractor.

The amount of the final payment is contingent on the findings during final audit for a Report of Review, by the Contract Administration and Audit Division.

W. M. Traver

W. M. Traver

cc 4, 2415, DMEA Chron.

WMT/pam/kp

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
July 20, 1953

Memorandum

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

From: H. L. Bolmer

Subject: DMEA 2650, Contract Idm-2415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for June 1953

The advance reported in the operator's narrative and recorded on form MF-104A, 20 feet of drifting on the 100-foot level, is correct and completes the 160 feet of drifting authorized in the contract. The 100-foot level had been advanced 154 feet north of the shaft on the date of the last inspection, June 17, 1953. The performance of the last 6 feet of drifting on the lower level was confirmed by E. E. Harshman, Geological Survey, during an examination of the property June 23, 1953.

A request by the operator for additional exploration from the 100-foot level was not considered justified and was withdrawn with the mutual agreement of the operator and the examining team. The last work under the contract was performed on or about June 23, 1953. After a geological examination of the property on that date, bailing from the shaft was not continued, and the lower level was allowed to fill with water. Tungsten mineralization of a commercial grade and extent was not encountered in the exploration, and a certification of discovery is not anticipated.

The narrative report submitted with the June MF-104's apparently is intended by the operator as a final project report. The report is inadequate, but its acceptance is recommended. The details of the project are not elaborate and can be covered in the final engineering report.

The 20 feet of drifting reported this period at a unit cost of $30.00 per foot conforms to the terms of the contract and has been distributed correctly to the MF-104 and MF-104A forms. The full amount reported, $600.00, is approved. Payment of 75 percent

of the approved amount, or $430.00, is recommended. The amount of the final payment is contingent on the findings during the Final Audit, or Report of Review, by the Contract Administration and Audit Division. Under this short-form contract, there is no property to salvage. The footage reported to date, at the authorized unit cost, has been confirmed.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

cc ✓6
R415
DMRA Chron.

RLB/pam/kp

Form MF-1[illegible] (Rev.)
(April 1[illegible])

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June 1953 Docket No. DMEA 2650 Contract No. DMI-E-415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo
Contract Amount, $ 12,600.00 Government Participation: 75 % Amount, $ 9450.00

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~~ Horst-House		300.00	300.00			
Bulldozing		300.00	300.00			
~~Crosscutting~~ Head-Frame		300.00	300.00			
Drifting	600.00	4200.00	4800.00			
Raising			1680.00			
(2) Labor and Supervision:						
~~Labor~~ Sinking			4620.00			
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	600.00	11,400.00	12,000.00	600.00	11,400.00	12,000.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 2, 1953 Payee James L. McBroom L R Allen
Per L R Allen 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:

$ 450.00

Signature [illegible]
(Authorized Certifying Officer)

Date 10/30/53 Vou. No. DMA 54-44

(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-415 in accordance with the terms of the contract.

Signature R. L. Bolman, $450.00 WMA Title Mining Engineer Date July 16, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MEE-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 6 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1953 Docket No. DMEA 2650 Contract No. IDM-E-415
Operator's Name James L. McBroom + L.R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet	600.00	20	4800.00	160	30.00	160	30.00
Crosscutting								
Raising	Feet			1680.00	28	60.00	30	60.00
Shafts	Feet			4620.00	77	60.00	80	60.00
Winzes								
Drilling: Core								
Churn								
Auger								
~~Stripping~~ Bulldozing Job				300.00				
~~Trenching~~ Hoist-House				300.00				
~~Test Pits~~ Head Frame				300.00				
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$600.00		$12,000.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								12,600.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$600.00		12,000.00				

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

Date July 2, 1953 Operator James L. McBroom L.R. Allen
Per L.R. Allen Title partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Information Report

You will find the report on the map of the Completing of the contract which includes Bull-Drying Shaft House, 38' raise, 77' of shaft, 10' sump and 160' of Drift.

The Contract price of "60.00" per ft. of shaft with the water that had to be bailed was not sufficient to cover the expense of the shaft on the contract price on the drift. The principal difficulty was the water which had to be bailed. Then when on the drift we had to work 2 shifts which necessitated having two top men, one on each shift, which was extra overhead. We also had difficulty getting miners that would stay on the job.

The government department work on all phases of this work was "tops". Thanking you

Hallie A. Mine
James L McBroom

Hoist Area completed

Collapsed Area completed

Head Frame completed

Adit #1

30 FT

70 FT

Adit #2

29 FT

77 FT of Shaft completed including 10 FT Sump.

Adit #3

160 FT

10 FT Sump

160 FT of Drift completed

Code 400

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

224 New Customhouse
Denver 2, Colorado

July 6, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" Claim), Boulder County, Colorado.

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period of May, 1953, pertaining to DMEA Docket 2650, Contract Idm-E415, James L. McBroom and L. R. Allen (Hallie "A" Claim), Boulder County, Colorado.

W. H. King
W. H. King

Enclosures

We never did get an answer about sampling the floor of the adit.

Now they want to raise. We originally suggested that they sink a winze. Won't the raise be about where we suggested sinking the winze?

Yes

WSM
7/14/53

MF-104

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

224 New Customhouse
Denver 2, Colorado

June 30, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" Claim), Boulder County, Colorado - Operator's Monthly Progress Report, for the period May, 1953.

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

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

Remarks:

Date of Report----------June 10, 1953
Date Received in Field Office----------June 12, 1953
Date Received in Region Office----------June 25, 1953
Date Processed for Payment----------June 29, 1953

W. H. King
W. H. King

Enclosures

RDB:es

cc: Contract
Sec. to the Oper. Comm. (2)
Traver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room137
Denver Federal Center
Denver 14, Colorado
June 25, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for May 1953

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative and sketch--and the original and six copies of R. L. Belmer's memorandum covering inspection of the underground progress and verification of entries on the report form. The contract is short form, requiring no documentation.

As reported by the operators in the narrative and on the MF-104A form, 70 feet of drifting on the 100-foot level is correct. The conditions underground are adequately described by the inspecting engineer and, in his opinion, sampling is not warranted at this stage of the operation.

Work performance and accounting conform with all terms of the short-form contract, and payment is approved and certified on the MF-104 form of $1,575.00, or 75 percent of the total $2,100.00 claimed by the operators.

Scott W. Hazen Jr.
Scott W. Hazen, Jr., For
W. M. Traver

enclosures

WMT/cb

cc: 4
E415
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 24, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2650, Contract Idm-P415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for May 1953

Progress under the subject short-form contract was inspected June 17, 1953, with the operators. On that date, the 100-foot level drift was extended 154 feet northeasterly from the shaft, confirming the 70 feet of drifting during May 1953, as reported by the operators.

The advance during the period extended the drift to below the productive sections of the vein as opened along the No. 1 adit. Beyond 70 feet northeast of the shaft, the vein along the 100-foot level improved in appearance. In the section from 70 to 154 feet, the vein, irregular in strike and nearly vertical in dip, contains between 1/2- and 3-foot widths of brecciated quartz, granite, and gouge. From 70 to 78 feet, and again from 114 to 119 feet, the vein contains a few inches of low grade, siliceous ferberite. These short mineralized sections project directly below the stoped sections along the No. 1 adit. The mineralized sections along the lower level were sampled, but the analyses have not been received; the grade, however, is expected to be low and noncommercial.

The operators have written for authority and the additional funds necessary to prospect each of the mineral showings along the lower level by means of a 50-foot raise.

The 70 feet of drifting reported this period at a unit cost of $30.00 per foot conforms to the terms of the contract and has been distributed correctly to the MF-104A and MF-104. The full amount reported, $2,100.00, is approved.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc: 6, P415, DMEA Chron.

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

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

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

Month of May, 1953 Docket No. DMEA 2650 Contract No. IDM-E415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo
Contract Amount, $ 12,600.00 Government Participation: 75% Amount, $ 9450.00

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~~ Hoist-House		300.00	300.00			
Bulldozing		300.00	300.00			
~~Crosscutting~~ Head Frame		300.00	300.00			
Drifting	2100.00	2100.00	4200.00			
Raising		1680.00	1680.00			
(2) ~~Labor and Supervision:~~						
~~Labor~~ Sinking		4620.00	4620.00			
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	$2100.00	9300.00	$11,400.00	2100.00	9300.00	11,400.00

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

Date June 10 *Payee James L. McBroom L. R. Allen

Per L R Allen 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:

$1575.00

Signature [illegible]
(Authorized Certifying Officer)

Date 7/3/53 Voucher 54-5

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and [illegible] the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract [illegible]. E-415 in accordance with the terms of the contract.

Signature R. R. Palmer, $1575.0[illegible] Title Mining Engineer Date June 23 1953

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

Signature W. H. King Title Executive Officer Date JUN 30 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1953 Docket No. DMEA 2650 Contract No. IDM-F-415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet	2100.00	70	4200.00	140	30.00		30.00
Crosscutting								
Raising	Feet			1680.00	28	60.00		60.00
Shafts	Feet			4620.00	77	60.00		60.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping Bulldozing				300.00				
Trenching Hoist-House				300.00				
Test Pits Head-Frame				300.00				
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2100.00		11,400.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								12,600.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2100.00		11,400.00				

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

Date June 10 Operator James L. McBroom L. R. Allen

Per L. R. Allen Title partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

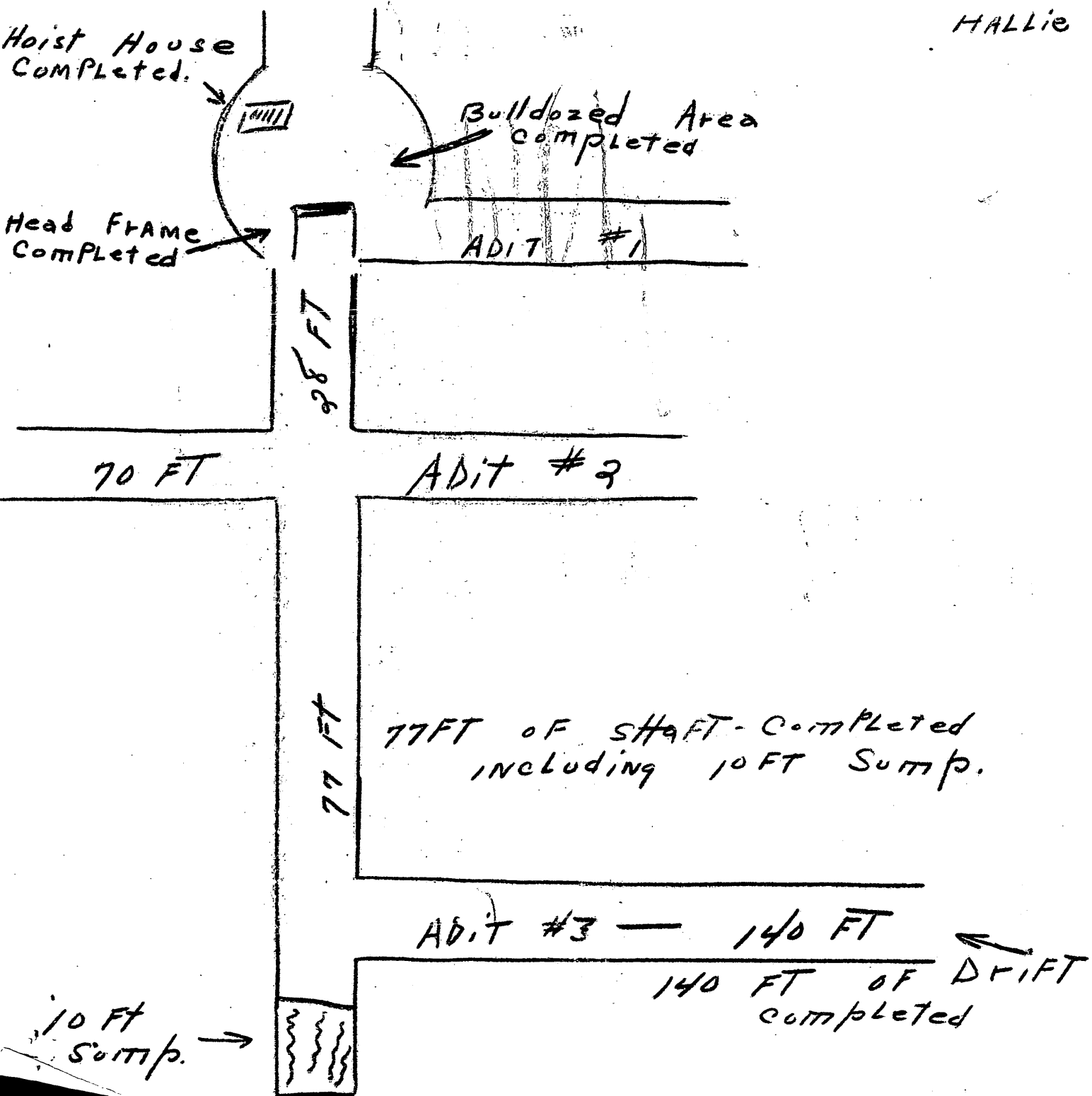
GPO 83-38475

Narrative Report

Please find sketches of work completed which consists of Bulldozed Area, road from 25 ft raise, 77 ft of Shaft including 10 ft Sump and 140 ft of drift at the 100 ft level,

James L McBroom

HALLie A MINe.



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

224 New Customhouse
Denver 2, Colorado

June 5, 1953

W34

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2650, Contract Idm-E415 (Tungsten)
James L. McBroom and L. R. Allen (Hallie "A" claim)
Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of April, 1953, pertaining to Docket DMEA 2650, Contract Idm-E415, (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado.

W. H. King
W. H. King

Enclosures

ld

cc: Contract w/copy of MF-104
Traver w/copy of MF-104
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 29, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim) Boulder County, Colorado - Operator's Monthly Progress Report, for the period April, 1953.

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

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

Remarks:

Date of Report----------May 14, 1953
Date Received in Field Office----------May 18, 1953
Date Received in Region Office----------May 27, 1953
Date Processed for Payment----------May 28, 1953

W. H. King

Enclosures

RDB:

cc: Contract
Sec. to the Oper. Comm. (2)
Traver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 26, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for April 1953

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative and sketch--and the original and six copies of R. L. Bolmer's memorandum covering inspection of underground progress and verification of entries on the report form. The contract is short form, requiring no documentation.

As reported by the operators in the narrative and on the MF-104A form, drifting northeast 60 feet on the 100-foot level is correct. The conditions underground are adequately described by the inspecting engineer and, in his opinion, sampling is not warranted at this stage of the operation.

Work performance and accounting conform with all terms of the short-form contract and payment is approved and certified on the MF-104 form of $1,350.00, or 75 percent of the total $1,800.00 claimed by the operators.

W. M. Traver

W. M. Traver

enclosures

WMT/amh

cc: 4
E415
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 26, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2650, Contract Idm-M415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for April 1953

Progress under the subject short-form contract during April 1953 as reported by the operators, drifting 60 feet northeasterly on the 100-foot level, was confirmed during my inspection of the property, May 20, 1953.

Including the progress reported this period, 70 feet of drifting has been completed on the 100-foot level, all of which is northeast of the shaft. The vein, as exposed in the shaft and along the 100-foot level drift, consists of a few inches of quartz and gouge in a black granite-gneiss. At various depths in the shaft, the vein contains minor amounts of ferberite mineralization. The mineral is narrow, highly discontinuous, and intimately associated with the horn quartz. By visual inspection, the mineral thus far exposed by contract work is not commercial and does not warrant sampling.

The vein steepens appreciably below the No. 2 adit level, and in the bottom 30 feet of the shaft and along the drift to the northeast is nearly vertical. The appearance of the vein gradually improves toward the northeast along the drift. In the present breast of the drift, a tight vein zone up to 6 inches in width is exposed. The zone includes gouge and horn quartz, some of which contains minor ferberite inclusions and staining. Also exposed in the breast are two narrow quartz stringers which show ferberite staining and are parallel to the main zone. The drift should begin to intersect the downward extension of the ore shoot exposed in the No. 1 adit within 10 to 20 feet.

The drift is being advanced untimbered about 4-1/2 by 5-1/2 feet in cross section. The project crew consists of four men, including the two operators, and drifting is proceeding on two shifts. The spring thaw has increased the amount of water in the shaft. The water in the sump is lowered by means of bailing.

The 60 feet of drifting reported this period and the unit cost claimed, $30.00 per foot, conforms to the terms of the contract and has been shown correctly on forms MF-104 and MF-104A. The full amount claimed, $1,800.00, is approved.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/mmh

cc: 6
E415
DMEA Chron.

Form MF-10 (Rev.)
(April 1952)

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

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

JUN 8 1953

Month of April 1953 Docket No. DMEA 2650 Contract No. 1DM-E415
Operator's Name James L. McBroom + L.R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo
Contract Amount, $ 12,600.00 Government Participation: 75 % Amount, $ 9450.00

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~~ Hoist-House		300.00	300.00			
Bulldozing		300.00	300.00			
~~Crosscutting~~ Head Frame		300.00	300.00			
Drifting	1800.00	300.00	2100.00			
Raising		1680.00	1680.00			
(2) ~~Labor and Supervision~~:		4620.00	4620.00			
~~Labor~~ Sinking						
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	1800.00	$7500.00	$9300.00	1800.00	7,500.00	9,300.00

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

Date May 14 *Payee James L McBroom L R Allen

Per L R Allen 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:

$ 1350.00

Signature [illegible]
(Authorized Certifying Officer)

Date 6/3/53 Voucher No. DMA 53-141

(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-415 in accordance with the terms of the contract.

Signature R. Bolmer, $1350.00 WMK Title Mining Engineer Date May 21, 1953

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

Signature W. H. King Title Executive Officer Date MAY 29 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 2650 Contract No. 1DM-E-415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, 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	1800.00	60	2100.00	70	30.00		30.00
Crosscutting								
Raising	Feet			1680.00	28	30.00	30	60.00
Shafts	Feet			4620.00	77	60.00	85	60.00
Winzes								
Drilling: Core								
Churn								
Auger								
~~Stripping~~ Bulldozing				300.00				
~~Trenching~~ Hoist-House				300.00				
~~Test Pits~~ Head Frame				300.00				
Roads and Trails								
Total Distributed Costs		1800.00		$9300.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1800.00		9300.00				

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

Date May 14, 1953 Operator James L. McBroom L. R. Allen

Per L. R. Allen Title partner

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Narrative Report.

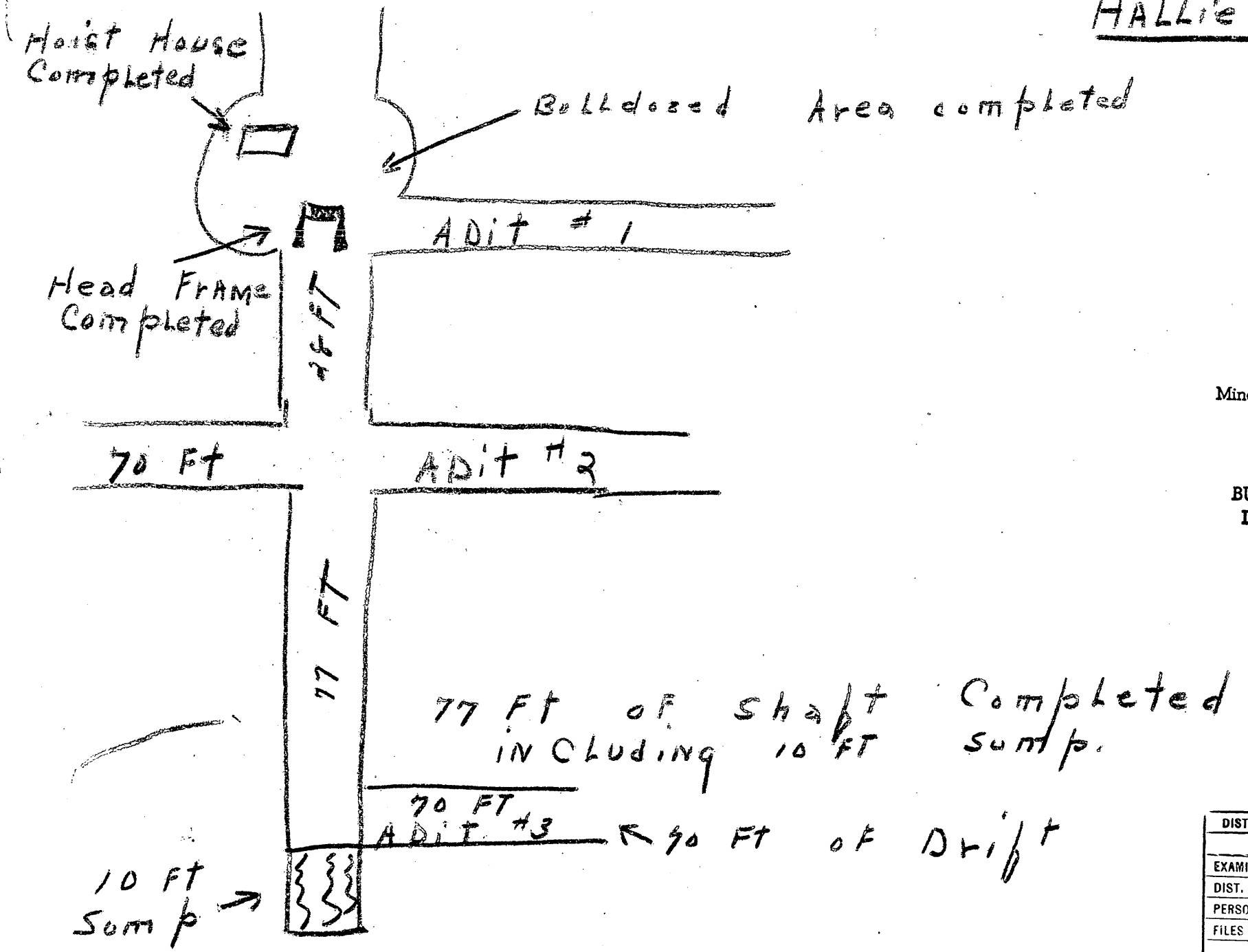
Please find sketches of work completed.

which consists of, Bulldozed Area. Headframe, 8x12 Hoist House 28 ft raise, And 77 ft of shaft, including 10 ft sump, 70 ft Drift At the 100 ft Level.

James L. McBroom

J. R. Allen.

HALLie A Mine



Mineral Resources Branch
Date Rec'd
MAY 18 1953
BUREAU OF MINES
Denver, Colorado

DIST. ENGR.	
EXAMINATION	
DIST. CLERK	
PERSONNEL	
FILES	

400

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

224 New Customhouse
Denver 2, Colorado

May 8, 1953

WSM

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado.

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period of March, 1953, pertaining to DMEA Docket 2650, Contract Idm-E415, James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado.

W. H. King
W. H. King

Enclosures

MF-104
March 1953

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

224 New Customhouse
Denver 2, Colorado

April 30, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2650, Contract Idm-R415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado. Operator's Monthly Progress Report for the period March 1953.

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

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

Remarks:

Date of Report	April 14, 1953.
Date Received in Field Office	April 16, 1953.
Date Received in Region Office	April 27, 1953.
Date Processed for Payment	April 30, 1953.

W. H. King
W. H. King

Enclosures

RDB:cwm

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

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 23, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress Report for March 1953

Please find enclosed the original and four copies of the above progress report--form MF-104 and MF-104A, with narrative and sketch--and the original and six copies of R. L. Bolmer's memorandum covering inspection and verification of the underground progress. The contract is short form and no documentation is required.

Sinking the shaft 5 feet and drifting northeast 10 feet on the vein on the lower level, as reported in the operator's narrative, was found to be correct.

The work performed and costs reported are in conformance with the terms of the short-form contract and entries are properly made on the reporting forms. Payment is approved and certified on the MF-104 form of $450.00, or 75 percent of the total $600.00 claimed by the contractor.

W. M. Traver

W. M. Traver

enclosures

WMT/cb

cc 4
E415
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
April 23, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for March 1953

Progress under the subject short-form contract during March 1953 as reported by the operators, sinking the shaft an additional 5 feet and drifting 10 feet northeasterly on the vein, was confirmed during my inspection of the property, April 16, 1953.

The shaft, as then completed, was 77 feet below the No. 2 adit level or 110 feet below the surface. The level drift northeast off the shaft was started 100 feet below the surface. The lower 10 feet of the shaft will serve as a sump.

The work reported and the unit costs claimed conform to terms of the contract and have been shown correctly on forms MF-104 and MF-104A. The full amount claimed, $600.00, is approved.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/cb

cc 6
E415
DMEA Chron.

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

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

RECEIVED
MAY 11 1953

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

Month of March, 1953 Docket No. DMEA 2650 Contract No. IDM-E 415
Operator's Name James L. McBroom & L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo
Contract Amount, $ 12,600.00 Government Participation: 75 % Amount, $ 9450.00

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		300.00	300.00			
Bulldozing Hoist House		300.00	300.00			
Crosscutting Head Frame		300.00	300.00			
~~Drifting~~ Raising		1680.00	1680.00			
Sinking	300.00	4320.00	4620.00			
(2) Labor and Supervision:						
~~Labor~~ Drifting	300.00		300.00			
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	$600.00	6900.00	$7500.00	600.00	6900.00	7500.00

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

Date April 14 *Payee James L. McBroom L R Allen

Per L R Allen 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:

$450.00

Signature [illegible]
(Authorized Certifying Officer)

Date 5/6/53 Vou. No. DMA 53-133

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-415 in accordance with the terms of the contract.

Signature R. L. Palmer, $450.00 WMT Title Mining Engineer Date April 17, 1953

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

Signature W. H. King Title Executive Officer Date APR 30 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1953 Docket No. DMEA 2650 Contract No. IDME-415

Operator's Name James L. McBroom + L.R. Allen Minerals Tungsten

Address Box 372 A Route 2 Boulder, 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	300.00	10	300.00	10	30.00		30.00
Crosscutting								
Raising	Feet			1680.00	28	60.00	30	60.00
Shafts	Feet	300.00	5	4620.00	77	60.00	85	60.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping Bulldozing				300.00				
Trenching Hoist House				300.00				
Test Pits								
Roads and Trails								
Head Frame				300.00				
TOTAL DISTRIBUTED COSTS		600.00		7,500.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								12,600
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		600.00		7,500.00				

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

Date April 14 Operator James L. McBroom L R Allen

Per _____ Title partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

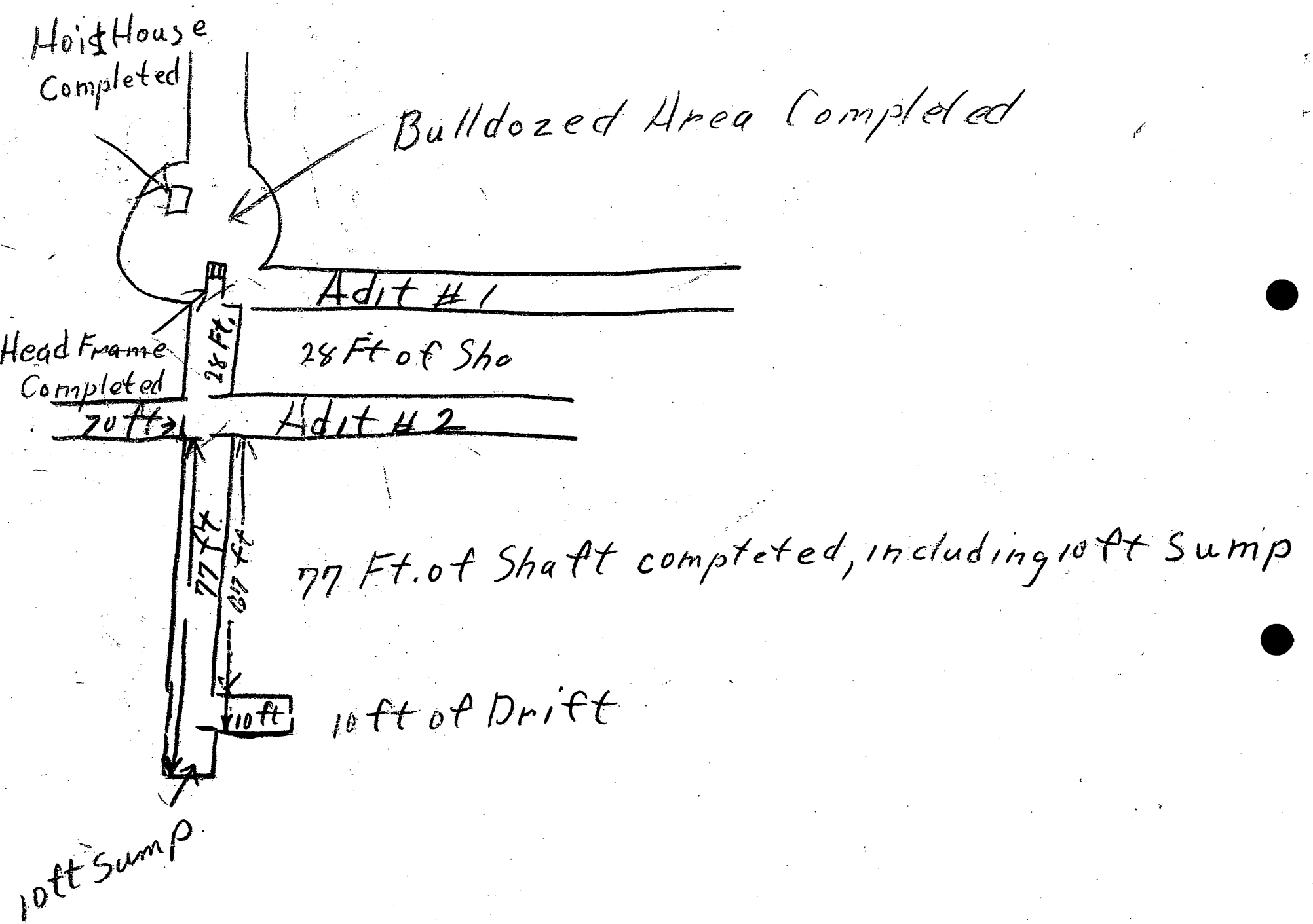
INSTRUCTIONS

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

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

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

GPO 83-38475


Hoist House Completed
Bulldozed Area Completed
Adit #1
Head Frame Completed
28 Ft.
28 Ft of Sho
20 ft
Adit #2
77 Ft.
67 Ft
77 Ft. of Shaft compteted, including 10 ft Sump
10 ft
10 ft of Drift
10 ft Sump

Narrative Report

Please find sketches of work completed, which consists of, Bulldozed Area, Head Frame 8X12 Hoist House, 28 ft raise, and 77 ft of Shaft including 10 ft sump, 10 ft of drift at the 100 ft Level

James L. McBroom

L. R. Allen

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

224 New Customhouse
Denver 2, Colorado

April 8, 1953.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 13 1953

WSM

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" Mine), Boulder County, Colorado.

Enclosed are two copies of the Operator's Monthly Progress Report, MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of February 1953, pertaining to DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" Mine), Boulder County, Colorado.

W. H. King

W. H. King

Enclosures

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

DEPARTMENT OF THE INTERIOR
Minerals Administration
APR 13 1953

224 New Customhouse
Denver 2, Colorado

April 1, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2650, Contract Idm-2415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" Mine), Boulder County, Colorado. Operator's Monthly Progress Report for the period February 1953.

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

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

Remarks:

Date of Report	March 5, 1953.
Date Received in Field Office	March 9, 1953.
Date Received in Region Office	March 26, 1953.
Date Processed for Payment	March 30, 1953.

W. H. King
W. H. King

Enclosures:

RDB: cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 25, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for February 1953

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative and sketch--and the original and six copies of R. L. Bolmer's memorandum covering inspection of the underground progress and reporting forms. The contract is short form.

The shaft has been sunk an additional 22 feet to a total depth of 72 feet, as reported in the narrative and shown on the sketch. Entries are correctly made on the reporting forms.

Work has been completed as authorized by the short-form contract and documentation is not required. Accordingly, payment is approved and certified on the MF-104 form of $990.00, or 75 percent of the total $1,320.00 claimed by the contractor.

W. M. Traver

W. M. Traver

enclosures

WMT/cb

cc 4
E415
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
March 25, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2650, Contract Idu-2415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for February 1953

Progress under the subject short-form contract was inspected March 13, 1953, with the operators, Messrs. McBroom and Allen. The sinking of the shaft an additional 22 feet during the month of February, as reported in the operator's narrative and as shown on form MF-104A, was confirmed. The shaft at the close of the February period was 72 feet below the No. 2 Adit level, or 105 feet below the collar of the raise driven to the surface. The contract miners employed by the operators have quit and the operators are performing the work themselves.

The work reported and the unit costs claimed conform to the terms of the contract and have been shown correctly on forms MF-104 and MF-104A. The full amount claimed, $1,[illegible],00, is approved.

R. L. Bolmer
Mining Engineer

RLB/ch

cc 6
2415
DMEA Chron.

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1953 Docket No. DMEA 2650 Contract No. IDM-E 415
Operator's Name James L. McBroom + L.R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo.
Contract Amount, $ 13,600.00 Government Participation: 75 % Amount, $ 9,450.00

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~~ Contract:						
Short Form Bulldozing		300.00	300.00			
~~Drilling~~ Hoist House	300.00	300.00	300.00			
~~Bulldozing~~ Sinking	1320.00	3000.00	4320.00			
Crosscutting Head Frame	300.00	300.00	300.00			
Drifting						
Raising		1680.00	1680.00			
(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	1320.00	5580.00	6900.00	1320.00	5580.00	6900.00

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

Date Mar 5, 1953 *Payee James L McBroom L.R. Allen

Per L.R. Allen 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:

$ 990.00

Signature
(Authorized Certifying Officer)

Date 4-6-53 Vou. No. DMA 53-115

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 8-415 in accordance with the terms of the contract.

Signature R. P. Palmer, $990.00 Title Mining Engineer Date Mar. 25, 1953

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

Signature W. H. King Title Executive Officer Date APR 1 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 2650 Contract No. IDM-E 415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet						160	$30.00
Crosscutting								
Raising	Feet			$1680.00	28	60.00	30	60.00
Shafts	Feet	$1320.00	22	4320.00	72	60.00	85	60.00
Winzes								
Drilling: Core								
Churn								
Auger								
~~Stripping~~ Bulldozing	Job			300.00				300.00
~~Trenching~~ Hoist House	Job			300.00				300.00
Test Pits								
Roads and Trails								
Head Frame	Job			300.00				300.00
TOTAL DISTRIBUTED COSTS		$1320.00		$6900.00				TOTAL COSTS AUTHORIZED BY CONTRACT $12,600.00
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1320.00		6900.00				

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 Mar. 5, 1953 Operator ~~James L. McBroom~~ L. R. Allen
Per L. R. Allen Title Partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

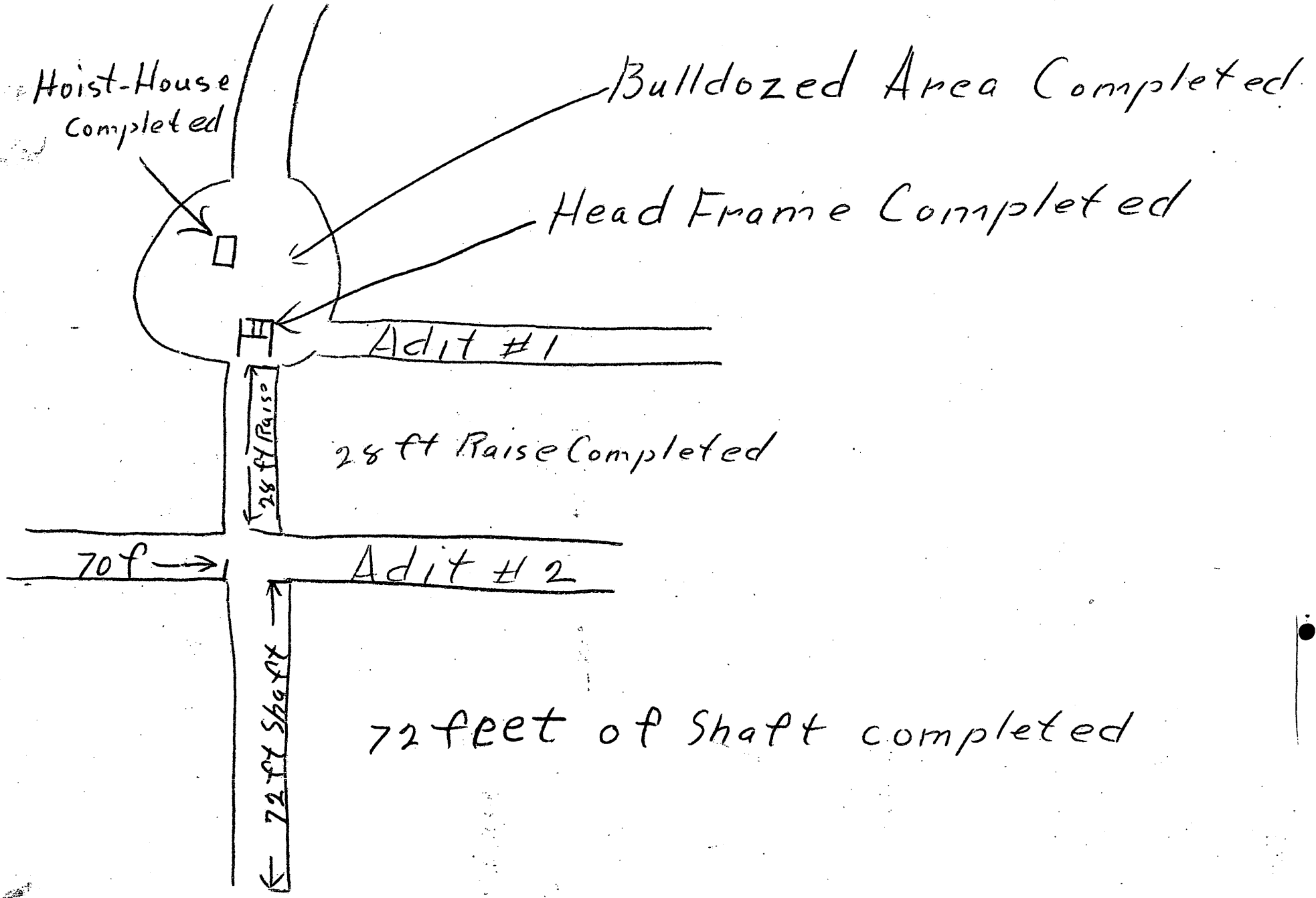
Narrative Report

Mar. 5, 1953

Please find sketches of work completed, which consists of bulldozed area, Head Frame and Hoist House 28 ft raise and 72 feet of shaft has been sunk.

James L McBroom

J R Allen


Hoist-House Completed
Bulldozed Area Completed
Head Frame Completed
Adit #1
28 ft Raise
28 ft Raise Completed
70 f
Adit #2
72 ft Shaft
72 feet of Shaft completed

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

224 New Customhouse
Denver 2, Colorado

March 4, 1953.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

WSM

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" Claim), Boulder County, Colorado.

Jan

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of January, 1953, pertaining to DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" Claim), Boulder County, Colorado.

W. H. King

W. H. King

Enclosures

Jan

JAN
1953

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

224 New Customhouse
Denver 2, Colorado

March 4, 1953.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MP-104, DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" Claim), Boulder County, Colorado.

Enclosed are two copies of the Operator's Monthly Progress Report MP-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of January, 1953, pertaining to DMEA Docket 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" Claim), Boulder County, Colorado.

W. H. King
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

February 26, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2650, Contract Idm-E415 (Tungsten) James L. McBroom and L. R. Allen (Hallie "A" Claim) Boulder County, Colorado. Operator's Monthly Progress Report for the period January, 1953.

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

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

Remarks:

Date of Report - February 5, 1953.
Date Received in Field Office - February 9, 1953.
Date Received in Region Office - February 25, 1953.
Date Processed for Payment - February 26, 1953.

W. H. King
W. H. King

Enclosures

RDBerk:cwm

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
February 24, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMRA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for January 1953

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative and sketch--and the original and six copies of R. L. Bolmer's memorandum covering inspection of the underground progress and verification of the report entries. The contract is on short form MF-200 (A).

The 30 feet of underground shaft sinking below the adit level reported by the contractors and correctness of entries on the supporting form are verified by the inspecting engineer.

Payment is approved and certified of $1,350.00, or 75 percent of the total $1,800.00 claimed by the contractors.

W. M. Traver

W. M. Traver

enclosures

WMT/amh

cc: 4
E415
DMRA Chron.

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
February 24, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMMA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Mallie "A" claim), Boulder County, Colorado - Progress report for January 1953

Progress under the subject short form contract was inspected February 17, 1953, with Carl Belser, Bureau of Mines. On the date of inspection, the access road from State Highway 160 was closed due to drifting snow and the project was not in operation. The contractors' personnel were not present but the mine was accessible and the progress in the winze was measured.

The depth of the shaft measured 50 feet below the track level in Adit No. 2, or 83 feet below the collar of the raise driven to the surface. The measurement confirms the 30 feet of sinking reported as performed during January. Wall plates and skids had been installed to the bottom of the shaft but ladders had not been placed.

The work reported and the unit costs claimed conform to the terms of the contract and have been shown correctly on forms MF-104 and MF-104A. The total amount claimed, $1,800.00, is approved. Payment of 75 percent of the approved amount, or $1,350.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/amh

cc: 6
E415
DMMA Chron.

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

Budget Bureau No. 42-R1036.3.
Approval expires 12-31-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1953 Docket No. DMEA 2650 Contract No. IDME415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder Colo.
Contract Amount, $12,600.00 Government Participation: 75 % Amount, $ 9,450.00

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~~ Hoist-House		300.00	300.00			
Bulldozing		300.00	300.00			
~~Crosscutting~~ Head Frame		300.00	300.00			
~~Drifting~~ Sinking	1800.00	1200.00	3000.00			
Raising		1680.00	1680.00			
(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	1800.00	3780.00	5580.00	1800.00	3780.00	5580.00

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

Date Feb. 5, 1953 *Payee James L McBroom L R Allen

Per L R Allen 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:

$1350.00

Signature [illegible]
(Authorized Certifying Officer)

Date 3/2/53 Vouc. No. DMA 53-103

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-415 in accordance with the terms of the contract.

Signature R. L. Bolmer, $1350.00 WW Title Mining Engineer Date Feb. 19, 1953

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

Signature W. H. King Title Executive Officer Date FEB 26 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1953 Docket No. DMEA 2650 Contract No. IDM-E415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet	—					160	30.00
Crosscutting								
Raising	Feet			1680.00	28	60.00	30	60.00
Shafts	Feet	1800.00	30	3000.00	50	60.00	85	60.00
Winzes								
Drilling: Core								
Churn								
Auger								
~~Stripping~~ Bulldozing	Job	—		300.00		300.00	Job	300.00
~~Trenching~~ Hoist-House	Job	—		300.00		300.00	Job	300.00
Test Pits								
Roads and Trails								
Head-Frame	Job	—		300.00		300.00	Job	300.00
TOTAL DISTRIBUTED COSTS		1800.00		5580.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1800.00		5580.00				12,600.00

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

Date Feb. 5, 1953 Operator James L. McBroom L. R. Allen

Per L. R. Allen Title partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

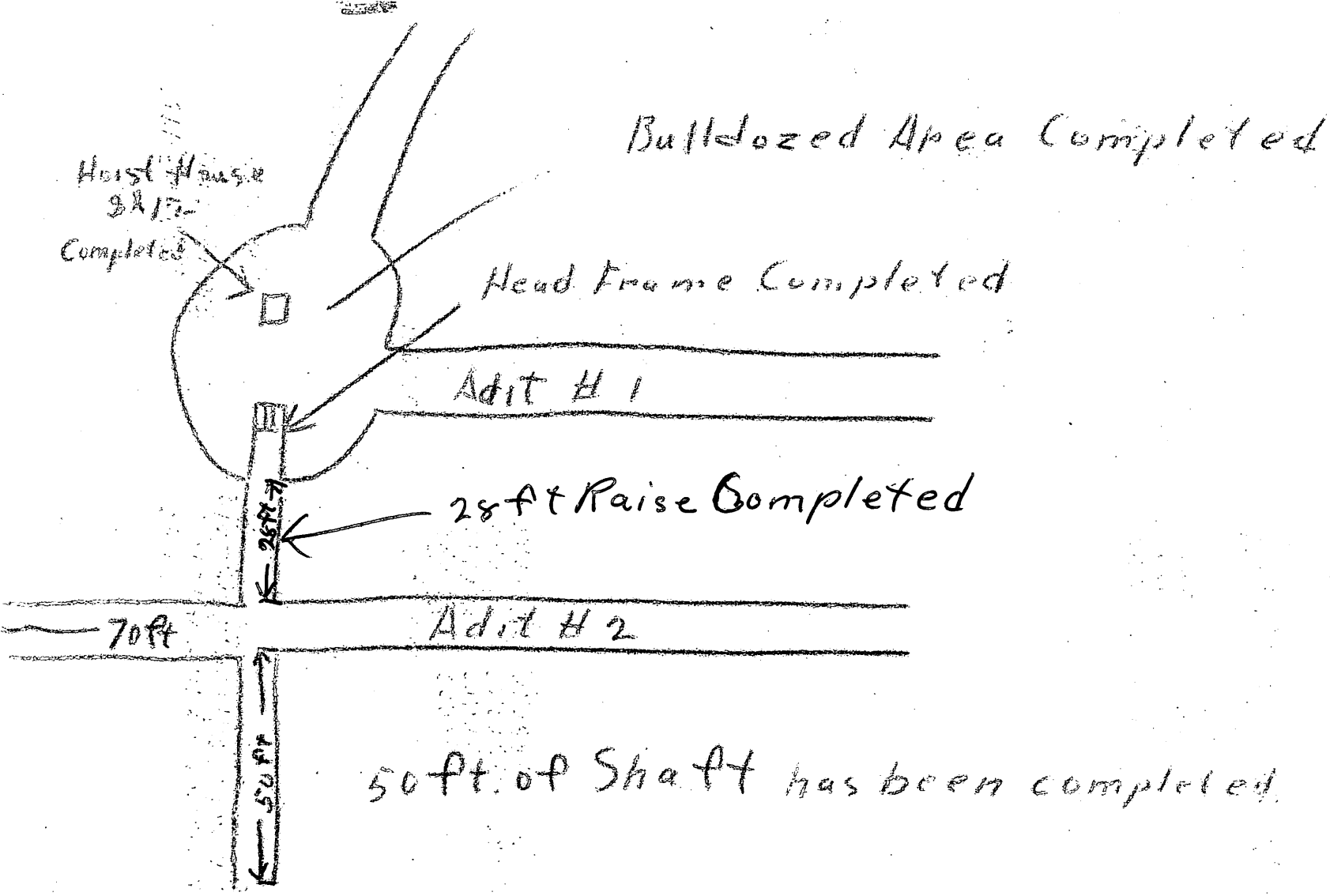
GPO 83-38475

Narrative Report Feb, 5, 1953

Please find Sketches of work completed, which consis of Bulldozed Area, 8x10 Hoist House, Head Frame complete 28 ft raise from Adit # 2 to surface at about same elevation as Adit #1 We have sunk 50 ft of Shaft 20 ft in December + 30 ft in January

Also hit a little Streak of ore

Signed
James L McBroom
J R Allen


Bulldozed Area Completed
Hoist House
Completed
Head Frame Completed
Adit # 1
28ft Raise Completed
28ft
70ft
Adit # 2
50 ft
50ft. of Shaft has been completed

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

224 New Customhouse
Denver 2, Colorado

January 27, 1953

Memorandum

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

To: T. A. Christensen

From: Executive Officer, Field Team, Region IV

Subject: DMEA Docket 2650, Form MF-104, Contract Idm-E415, (Tungsten) James L. McBroom and L. R. Allen (Hallie A. Claim) Boulder County, Colorado

WSM

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of December, 1952, pertaining to DMEA Docket 2650, Contract Idm-E415, James L. McBroom and L. R. Allen (Hallie A. Claim.)

W. H. King
W. H. King

Enclosures

Dec

Dec 1952

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

224 New Customhouse
Denver 2, Colorado

January 20, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, Field Team, Region IV

Subject: DMEA Docket 2650, Contract Idm-E415, (Tungsten) James L. McBroom and L. R. Allen (Hallie A. Claim) Boulder County, Colorado - Operator's Monthly Progress Report for the period of December, 1952

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

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

Remarks:

Date of Report - January 5, 1953
Date Received in Field Office - January 12, 1953
Date Received in Region Office - January 16, 1953
Date Processed for Payment - January 20, 1953

W. H. King
W. H. King

Enclosures

RDB:oc

cc: Contract
Secretary to the Operating Committee (2)
WMTraver
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
January 15, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for December 1952

Please find enclosed the original and four copies of the above progress report--forms MF-104 and MF-104A, with narrative and sketch--and the original and six copies of R. L. Bolmer's memorandum covering his inspection. The contract is on short form MF-200 (A).

The MF-104 forms are correctly completed to reflect the progress reported in the narrative of headframe construction and 20 feet of shaft sinking.

Payment is approved of $1,125.00, or 75 percent of the total $1,500.00 claimed by the contractor.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/cb

cc 4
E415
DMEA Chron

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
January 15, 1953

Memorandum

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

From: R. L. Bolmer

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for December 1952

Progress under the subject short form contract was inspected January 13, 1952. The advance reported, 20 feet of sinking and the construction of a headframe, was found correct.

The work reported and the unit costs claimed conform to the terms of the contract and have been shown correctly on forms MF-104 and MF-104A. The total amount claimed, $1,500.00, is approved. Payment of 75 percent of the approved amount, or $1,125.00, is recommended.

R. L. Bolmer

R. L. Bolmer,
Mining Engineer

RLB/cb

cc 6
E415
DMEA Chron

3

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Budget Bureau No. 42-R1036.3
Approval expires 6-30-53.
RECEIVED
FEB 2 1953

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

Month of December, 1952 Docket No. DMEA 2650 Contract No. IDM-E415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, Colo
Contract Amount, $ 12,600.00 Government Participation: 75 % Amount, $ 9,450.00

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~~ Hoist-House		300.00	300.00			
Bulldozing		300.00	300.00			
~~Crosscutting~~ Head-frame	300.00		300.00			
Drifting Sinking	1200.00		1200.00			
Raising		1680.00	1680.00			
(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 X	1500.00	2280.00	3780.00	1,500.00	2,280.00	3,780.00

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

Date Jan 5, 1953 *Payee James L McBroom L R Allen

Per L R Allen 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:

$ 1125.00

Signature [illegible]
(Authorized Certifying Officer)

Date 1/23/53 Vou. No. DMA 53 87

(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-415 in accordance with the terms of the contract.

Signature R. P. Bolmer $1125.00 Wmt Title Mining Engineer Date Jan. 14, 1953

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

Signature W. H. King Title Executive Officer Date JAN 20 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

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Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1952 Docket No. DMEA 2650 Contract No. IDM-415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Route 2 Boulder, 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	—					160	30.00
Crosscutting								
Raising	Feet	—		1680.00	28	60.00	30	60.00
Shafts	Feet	1200.00	20	1200.00	20	60.00	85	60.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping Bulldozing	Job	—		300.00		300.00	Job	300.00
~~Trenching~~ Hoist-House	Job	—		300.00		300.00	Job	300.00
Test Pits								
Roads and Trails								
Head Frame	Job	300.00		300.00		300.00	Job	300.00
TOTAL DISTRIBUTED COSTS	X	1500.00		3780.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS	X	1500.00		3780.00				12,600.00

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 5, 1953 Operator James L. McBroom L. R. Allen

Per L. R. Allen Title partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

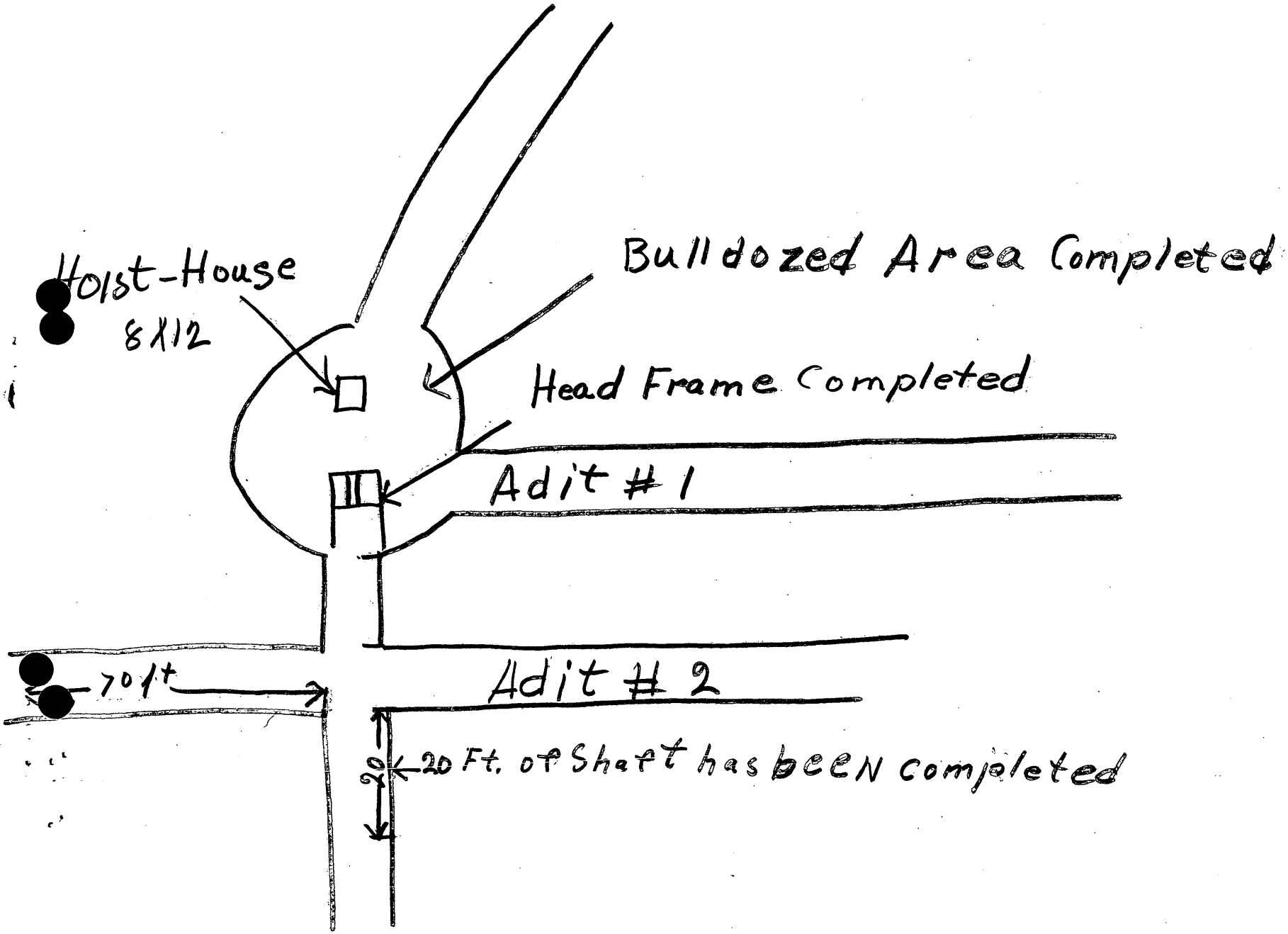
GPO 83-38475

Narrative Report Jan. 5, 1953

Please find sketches of work completed, which consists, of bulldozed Area, 8x12 Hoist house, 28 ft raise from Adit # 2 to surface at about the same elevation as Adit # 1 this work was completed for the Month of November, We have completed the following work for the month of December - Head Frame constructed and 20 feet of Shaft has been sunk

Signed
L R Allen

James L McBroom


Hoist-House
8X12
Bulldozed Area Completed
Head Frame Completed
Adit #1
Adit #2
70 ft
20
20 Ft. of Shaft has been completed

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

224 New Customhouse
Denver 2, Colorado

December 19, 1952

2650

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMEA Docket 2650, Contract Idm-E415 (Tungsten) James L. McBrown and L. R. Allen (Hallie "A" Claim) Boulder County, Colorado

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and 104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of November, 1952, pertaining to DMEA Docket 2650, Contract Idm-E415, James L. McBrown and L. R. Allen.

John F. Shaw for
W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
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Nov

Nov. 1952

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

224 New Customhouse
Denver 2, Colorado

December 12, 1952

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 2650, Contract Itm-2415 (Tungsten) James L. McBroom and L. R. Allen (Hallie "A" Claim) Boulder County, Colorado Operator's Monthly Progress Report for the period of November, 1952

Enclosed are the original and four copies of Form MF-104 and Form MF-104A, Narrative Report, and Engineer's Report for the period of November, 1952

The small amount of progress reported did not warrant an inspection, therefore, subject to subsequent verification work reported and contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations, we recommend that payment be made to the operator for 75 percent of the amount claimed on Form MF-104.

No documentation is required for work performed under contracts prepared on Form MF-200A.

W. H. King
W. H. King

Enclosures

RDB:oc
cc: Contract
Secretary to Oper. Comm. (2)
WMTraver
Chron.
AHKoschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 8, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), James L. McBroom and L. R. Allen (Hallie "A" claim), Boulder County, Colorado - Progress report for November 1952

Enclosed please find five copies of the initial progress report on the above short form contract--forms MF-104 and MF-104A, with proper documentation--and seven copies of R. L. Bolmer's memorandum covering inspection of the accounts.

The forms MF-104 are correctly completed in accordance with the terms of the contract. Inspection of the surface and underground progress for verification will be made with the engineer's regular monthly inspection of other projects in the Nederland area.

Payment is approved of $1,710.00, or 75 percent of the total $2,280.00 claimed by the contractor is approved.

for Leatrice Vogenitz
for W. M. Traver, Jr.

enclosures

WMT/cb

cc 4
AHKoschmann
E415
DMEA Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 8, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMEA 2650, Contract Idm-R415 (Tungsten), James L. McBroom and L. R. Allen (Hellie "A" claim), Boulder County, Colorado - Progress report for November 1952

Progress under the subject short form contract is reported by the contractors as (1) raising the shaft 25 feet from a point in Adit No. 2 to the surface, (2) completion of bulldozing for the surface site, and (3) the construction of an 8- by 12-foot hoist house. The work reported and the unit costs claimed conform to the terms of the contract and have been shown correctly on the form MF-104A.

There is no reason to believe that the work completed has not been performed as reported and as authorized by the contract. Actual inspection and measurement of the progress will be incorporated with the forthcoming inspections in Boulder County.

The total amount claimed, $2,280.00, is approved. Payment of 75 percent of the approved amount, or $1,710.00, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/eb

cc 6
AHKoschmann
R415
DMEA Chron

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

gcl 1/6/53

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 2650 Contract No. IDME415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Rt. 2 Boulder, Colo.
Contract Amount, $ 12,600.00 Government Participation: 75 % Amount, $ 9,450.00

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~~ Hoist House	300.00	—	300.00			
Bulldozing	300.00	—	300.00			
~~Crosscutting~~ Sinking						
Drifting						
Raising	1680.00	—	1680.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2280.00		2280.00	2280.00		2280.00

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

Date Nov. 4, 52 *Payee James L. McBroom L. R. Allen

Per L. R. Allen 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:

$1710.00

Signature [illegible]
(Authorized Certifying Officer)

Date 12/17/52 Vou. No. DMA 53-72

(See other side)

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.

U. S. GOVERNMENT PRINTING OFFICE 205676

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

gd 1/6/53

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 2650 Contract No. IDME415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address Box 372 A Rt. 2 Boulder, Colo.
Contract Amount, $ 12,600.00 Government Participation: 75 % Amount, $ 9,450.00

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~~ Hoist House	300.00	—	300.00			
Bulldozing	300.00	—	300.00			
~~Crosscutting~~ Sinking						
Drifting						
Raising	1680.00	—	1680.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2280.00		2280.00	2280.00		2280.00

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

Date Nov. 4, 52 *Payee James L. McBroom L. R. Allen

Per L. R. Allen 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:

$1710.00

Signature [illegible]
(Authorized Certifying Officer)

Date 12/17/52 Vou. No. DMA 53-73

(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-415 in accordance with the terms of the contract.

Signature R. L. Bolmer $1,700.00 Wm Title Mining Engineer Date Dec. 8, 1952

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

Signature W. H. King Title Executive Officer Date 12/12/52

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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1952 Docket No. DMEA 2650 Contract No. IDM-E415
Operator's Name James L. McBroom + L. R. Allen Minerals Tungsten
Address BOX 372 A Rt. 2 Boulder, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Feet	—		—			160	$ 30.00
Crosscutting								
Raising	Feet	1680.00	28	1680.00		$ 60.00	30	60.00
Shafts	Feet	—		—			85	60.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping Bulldozing	job	300.00	Job	300.00	Job	300.00	Job	300.00
~~Trenching~~ Hoist House	job	300.00	Job	300.00	Job	300.00	Job	300.00
Test Pits								
Roads and Trails								
Head Frame	Job	—		—			Job	300.00
TOTAL DISTRIBUTED COSTS	X	2280.00		2280.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs		X		X				
New Buildings, Improvements, etc.								
TOTAL COSTS		2280.00		2280.00				12,600

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

Date Nov. 4, 52 Operator James L. McBroom L. R. Allen

Per L R Allen Title partner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

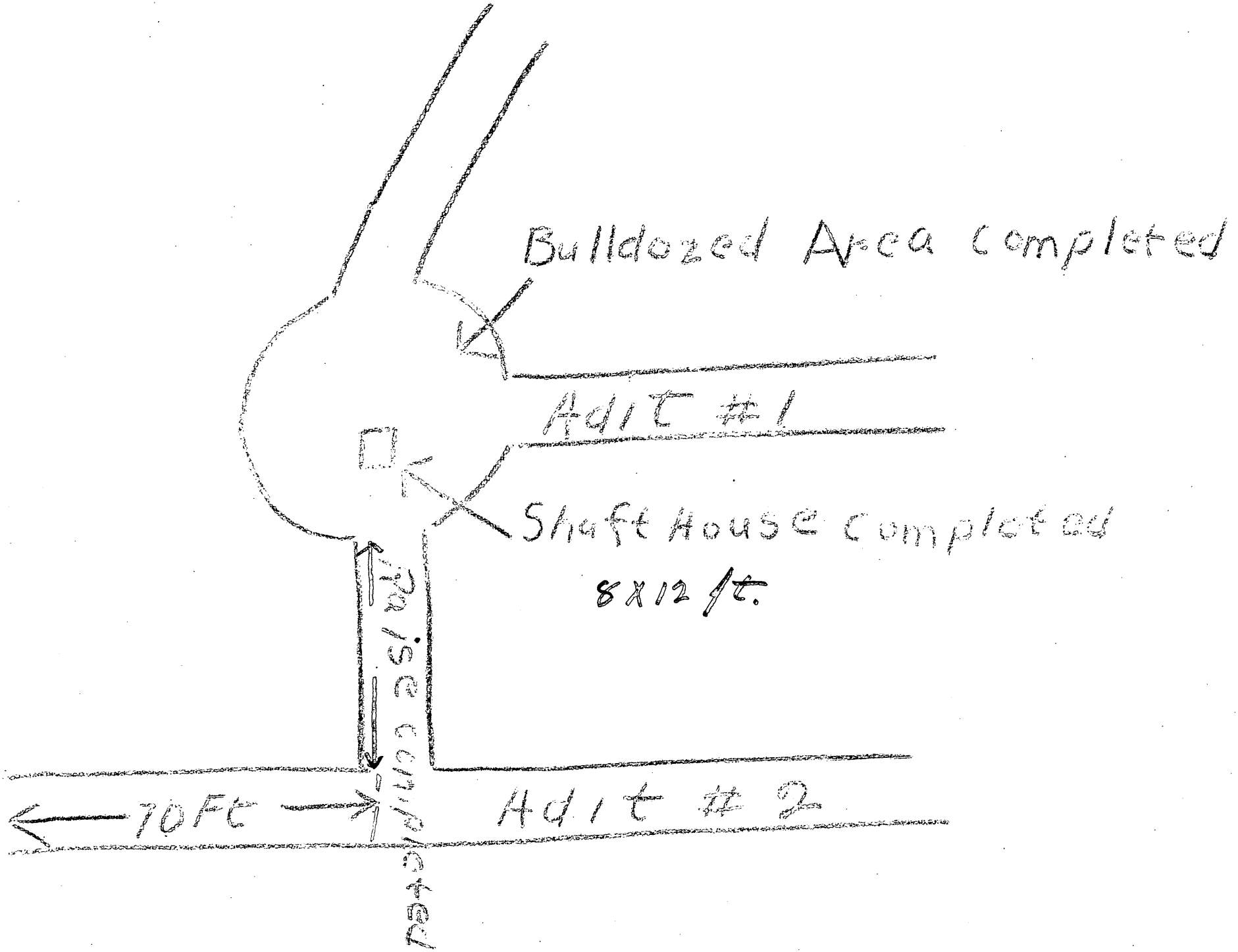
Narrative Report Dec. 4, 1952

Enclosed find sketches of work completed, which consists, of bulldozed Area, 8x12 Shaft house and 28 ft raise, from Adit # 2 to surface at about the same elevation as Adit # 1

Signed

Homer L. McBroom

P. P. Allen


Bulldozed Area Completed
Adit #1
Shaft House Completed
8x12 ft.
20 ft.
10 Ft
Adit #2
Path

400

NOV 13 1953

Mr. James L. McBroom
Hallie "A" Mining Company
Box 372 A, Rt. 2
Boulder, Colorado

Re: Docket No. DMEA 2630 - Tungsten
James L. McBroom & L. R. Allen
Hallie "A" mine
Boulder County, Colorado
Contract No. I[illegible]-[illegible]15

Dear Mr. McBroom:

This is with reference to the subject exploration project between the Hallie "A" Mining Company and the Government.

The final audit of the contract expenditures and the final reports of the Operator and the Field Team have been received and accepted by this Administration. Of the total amount of $12,600.00 approved under the contract, the sum of $12,000.00 was expended, 75 percent of which, or $9,000.00, represented the Government's share. There were no unused supplies, material, or equipment remaining to be disposed of for the joint account of the Operator and the Government. The exploration work was completed in a satisfactory manner.

Because the results of the exploration were unfavorable, it is not our intention to make 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 Article 5(d) of the Contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract."

Your interest in the Exploration Program of the Defense Minerals Exploration Administration and your willingness to participate therein are appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Operating Comm.
R. W. Gaskan, USBM
T. P. Thayer, USGS
FABatlledge:fec 11-12-53

cc: Docket
Code 400
FT. Reg. IV
Admr. Reading File

400

[illegible]
ADMINISTRATION

Originator: T. L. Chapman
Ext.: 5285 Room: 3538

Approp.: 14X3223.970 - Working Fund - DMEA
Date: October 15, 1953

To: W. H. King, DMEA Executive Officer, Region IV, Denver, Colorado

Emartt October 13, 1953, Contract Idm-#15, Redroom and Allen, Docket DMEA 2650. Work completed to date constitutes substantial compliance with contract. No formal termination agreement required.

G. C. Selfridge
Chairman, Operating Committee

TLChapman/ls
10/15/53

cc: Docket
Adm. Read. File
Confirm.-FT. Reg. 4
Oper. Committee
Code 400
R. W. Geehan, USBM
T. P. Thayer, USGS
Audits Division, Bur. Mines

SENT
OCT 15 1953
Clerical Service Section

400

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

224 New Customhouse
Denver 2, Colorado

October 28, 1953

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region IV

Subject: Docket No. DMEA 2650 (Tungsten), Contract Idm-E415, James L. McBroom and L. R. Allen, a partnership under the name of Hallie A Mining Company, Boulder County, Colorado

W3M

Enclosed are the following final reports pertaining to work performed under the subject contract:

1. Original and three copies of the final geologic report by the Geological Survey.

2. Original and three copies of the final engineering report by the Bureau of Mines.

The operator's report attached to Form MF-104 for the month of June 1953 is considered to be adequate as a final report under the circumstances, and it is recommended that it be accepted as such.

Final payment to the operator was processed in this office October 28, 1953, which was in conformance with the final report of review by the Contract Administration and Audit Division dated September 14, 1953, which was released to this office August 26, 1953.

The Washington office copies of the operator's report for the month of June will be forwarded upon return from the Fiscal Office, Region IV.

The contract authorized performance of 160 feet of drifting, 30 feet of raising, and 80 feet of shaft sinking, at a total expenditure of $12,600.00. The actual work performed consisted of 160 feet of drifting, 28 feet of raising, and 77 feet of sinking, at a total expenditure of $12,000.00. The exploration work did not result in a discovery of commercial grade ore, therefore no certification of discovery is recommended.

W. H. King
W. H. King

Reviewed by
DMEA OPERATING COMMITTEE

(date)

for A. H. Koschmann

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
200 New Customhouse
Denver 2, Colorado

September 11, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2650, Hallie A Mine, Contract Idm-E415, Boulder County, Colorado

Attached are 3 copies of the final geologic report by E. N. Harshman covering DMEA Docket 2650, Contract Idm-E415, Hallie A Mine, Boulder County, Colorado.

The Hallie A vein is a narrow structure. It carries a few inches of quartz and relatively minor amounts of ferberite. Although some ferberite was found by exploration under subject contract Idm-E415, Harshman concludes that the low grade of the ore and the narrow and short length of the ferberite-bearing zones preclude mining this vein, and therefore recommends that a certificate of discovery not be issued.

I concur in this recommendation.

A. H. Koschmann

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (8)

Reviewed by
DMEA OPERATING COMMITTEE
11-6-53
(date)

HALLIE A MINE

BOULDER COUNTY, COLORADO

DMEA DOCKET 2650

Final Geologic Report

By E. N. Harshman
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
11-6-53
(date)

HALLIE A MINE
BOULDER COUNTY, COLORADO

INTRODUCTION

James L. McBroom and R. L. Allen applied to the Defense Minerals Exploration Administration, DMEA Docket 2650, for assistance to explore for tungsten ore in the Hallie A mine, 4 miles airline north of Nederland, Boulder County, Colorado. A prior application for exploration assistance, DMEA Docket 2058, had been filed by Norris G. Mitts, and an amended program had been approved by the examining team. Mitts requested that his program be cancelled in favor of McBroom and Allen who had leased the property.

DMEA Docket 2650 was approved in the amount of $12,600 for a project as follows:

(1) Prepare the surface site for a shaft

(2) Raise from the lower adit to the surface, a distance of 30 feet

(3) Erect a head frame and hoist house

(4) Sink 85 feet, including a 10-foot sump, and drift 160 feet on the Hallie A vein.

Contract Idm-E415 was signed in October 1952 and work started in November 1952. At the applicants' request, and with approval of DMEA representatives, the proposed depth of the shaft was reduced from 85 feet below the second adit level to 77 feet below that level.

The contract was completed satisfactorily on June 23, 1953.

GEOLOGY AND EXPLORATION

The regional geology and a description of the accessible portions of the upper levels of the Hallie A mine are given in the examination report by Ogden Tweto, DMEA Docket 2058.

The Hallie A vein occupies a shear zone in granite and granite gneiss. It has an average strike of N. 10° E. and on the upper mine levels dips about 65° east. The shear zone is one to three feet wide and moderately well defined. It contains brecciated country rock as well as one to two inch seams of clay gouge. On the adit levels the Hallie A vein is well defined, narrow, and consists of one-half to six inches of horn quartz and ferberite. Total production of tungsten ore, taken from two stopes above the upper adit level (figure 3), amounts to 119 tons containing 1.4% WO_3.

As exposed in the shaft the Hallie A vein is a narrow structure consisting of a few inches of quartz and relatively minor amounts of ferberite. From the surface to a point about 35 feet above the third or 100-foot level, the vein and shear zone dip 65° E., from this point to the bottom of the shaft the dip is vertical. Below the change in dip the vein weakens and ferberite is not found. The strength of the shear zone is not effected noticeably by the change in dip.

On the 100-foot level the Hallie A vein is a weak, poorly mineralized structure consisting of one-half to six inches of silicified granite and quartz in a two to three foot shear zone. The dips of the shear zone and the vein are essentially vertical (figure 3). Shearing is not intense although in places one to two inch seams of gouge are present in the zone.

Ferberite was found in two limited sections of the 162-foot drift. Between 70 and 78 feet north of the shaft a two to six-inch zone of silicified wall rock, horn quartz, and ferberite is exposed. A sample taken by a U. S. Bureau of Mines engineer assayed 1.2% WO_3. Between 114 and 119 feet north of the shaft a similar zone three to ten inches wide assayed 1.0% WO_3. Sample locations are shown on Figure 3. At the north

face of the drift it is difficult to distinguish the vein, although the intensity of shearing has not diminished appreciably.

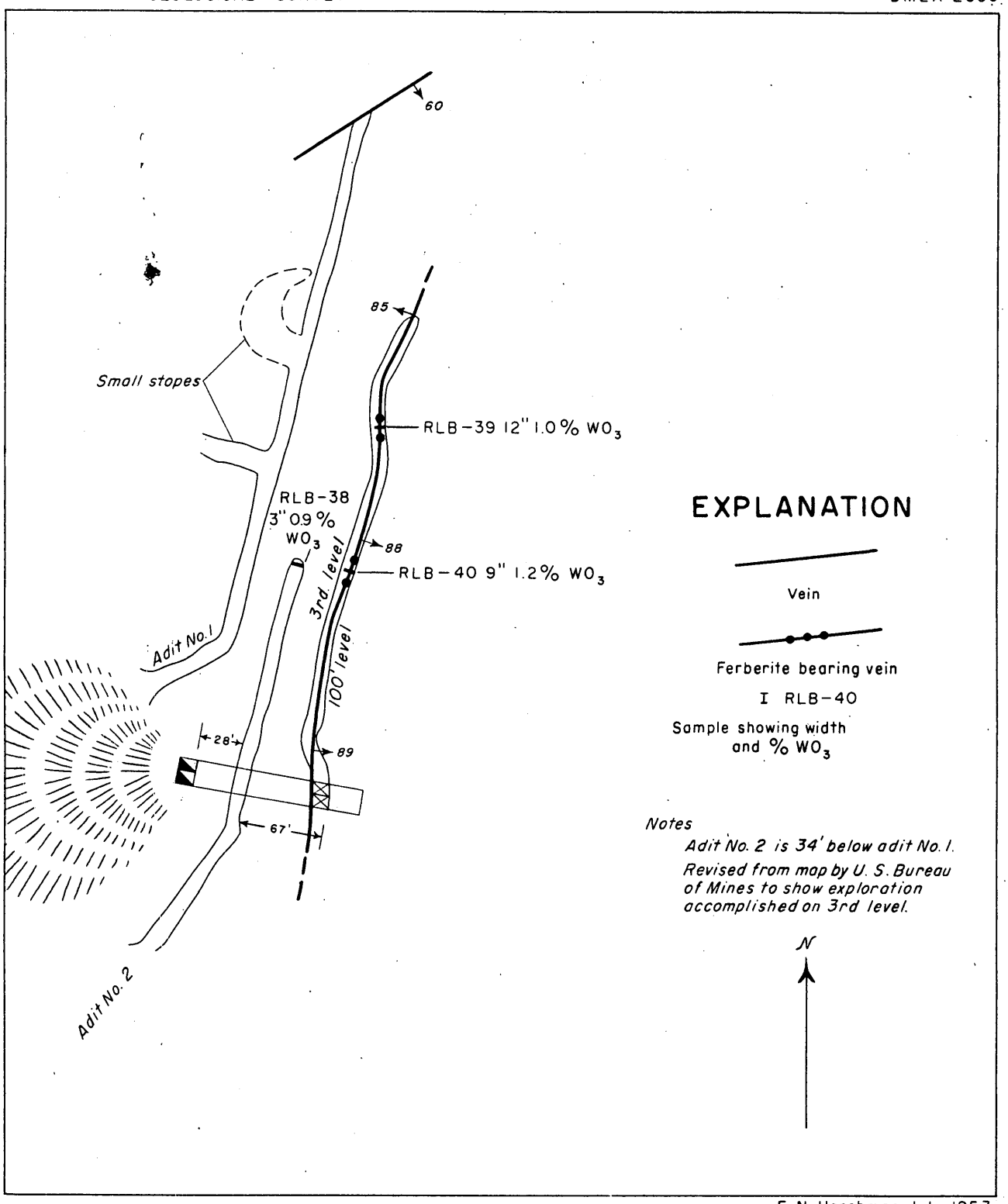
Sufficient exploration has been done on the 100-foot level of the Hallie A mine to prove that the small ore shoots mined above the upper (No. 1) adit level do not extend to any appreciable depth. The change in dip of both the shear zone and the vein at a point about 35 feet above the 100-foot level may well account for the downward termination of the ore.

McBroom and Allen applied for an amendment to their contract and for additional funds to be used in raising on the two short mineralized sections of the vein on the 100-foot level. Since these sections are below the two stopes on the upper levels (figure 2 in engineering report) and since the change in dip of the vein may account for the lack of ore on the 100-foot level the examining team concluded that exploration of one of the zones was justified. The applicants, however, withdrew the request for additional funds and ceased operations; the mine is now flooded.

Although ferberite was found on the 100-foot level of the Hallie A mine by exploration under Contract Idm-E415, it is concluded that the low grade, narrow and short length of the ferberite bearing zones precludes mining of this material. Certification of a discovery is therefore not recommended.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 2650



E. N. Harshman July 1953

FIGURE 3—. GEOLOGIC PLAN OF HALLIE A MINE

50 0 50 100 FEET

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
August 24, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), J. L. McBroom and L. R. Allen (Hallie "A" mine) Boulder County, Colorado

Submitted herewith are the original and eight copies of a final engineering report on the above docket by R. L. Bolmer.

The report is complete and adequately describes all phases of operation of the short-form unit-cost project with especially satisfactory conclusions and recommendations. It has my approval.

W. M. Traver

W. M. Traver

enclosures

cc B
E415
DMEA Chron.

WMT/pam

Reviewed by
DMEA CHARGING COMMITTEE
11-4-53
(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

FINAL ENGINEERING REPORT

DMEA 2650, Exploration Project Contract Idm-E415

J. L. McBroom and L. R. Allen

Hallie "A" Claim

Boulder County, Colorado

Tungsten

R. L. Bolmer, Mining Engineer
Bureau of Mines

August 24, 1953

Reviewed
DMEA OPERATING [illegible]
11-6-53
(date)

DMEA 2650
Contract Idm-E415

J. L. McBROOM AND L. R. ALLEN
HALLIE "A" CLAIM
BOULDER COUNTY, COLORADO

CONTENTS

Final Engineering Report	Page
Summary and introduction	1
Location and ownership	2
History and production	2
Description of deposit	3
Work completed, expenditures under contract	4
Summary of work completed and expenditures	6
Conclusions and recommendations	6

ILLUSTRATIONS

Figure	Follows Page
1. Location map, Hallie "A" claim, Boulder County, Colo.	2
2. Plan and section of Hallie "A" mine, Boulder County, Colo.	3

DMEA 2650
Contract Idm-E415

J. L. McBROOM AND L. R. ALLEN
HALLIE "A" CLAIM
BOULDER COUNTY, COLORADO

FINAL ENGINEERING REPORT

By

R. L. Bolmer

SUMMARY AND INTRODUCTION

Certain exploratory work for tungsten at the Hallie "A" claim, Boulder County, Colo., as authorized under Exploration Project Contract Idm-E415, was completed June 23, 1953. Under the contract, the Hallie "A" vein was explored below surface sections which had been the source of earlier, small-scale production. No significant discovery of tungsten ore resulted from the program. Further exploration at the property was not recommended.

The short-form exploration contract provided for Government participation in the expense of the program on an established unit-cost basis. The actual work completed, in which the Government participated in the established unit cost, consisted of (1) preparing a surface site for the shaft collar and hoist house (2) raising a shaft 28 feet on the vein from a Lower Adit level to the prepared surface site (3) erecting a headframe and hoist house (4) sinking a shaft on the vein 77 feet below the Adit level, and (5) drifting 160 feet on the vein at a depth of 100 feet in the shaft. The total cost of the program, computed on the actual units of work completed at the prescribed unit price, subject to final review by the Contract Administration and Audit Division, was $12,000.00. Government participation in the cost of the program was 75 percent, or $9,000.00.

Contract work commenced in November 1952 and was pursued fairly continuously until the authorized units of work had been completed. The work was interrupted and delayed to some extent by weather conditions, a labor shortage, and the financial ability of the operators. The work was performed according to standard mining practice and with about average efficiency. The work completed, for which the Government participated in the established unit cost, was as authorized in the contract.

LOCATION AND OWNERSHIP

The unpatented Hallie "A" lode mining claim is in sec. 25, T. 1 N., R. 73 W., sixth principal meridian, Sugar Loaf Mining District, Boulder County, Colo. The property is 7-1/2 miles north of Nederland, Colo., via State Highway 160 (fig. 1). The claim is held through location by Norris G. Mitts of Pekin, Ill. Mitts originally sought exploration assistance on the property himself (DMA 2058) but later leased the property to James L. McBroom. The owner's application for assistance was withdrawn in favor of one submitted by McBroom and L. R. Allen, the operators under contract Idm-E415.

HISTORY AND PRODUCTION

The property reportedly was worked to a small extent during World War I and then abandoned. The Hallie "A" claim later was relocated and worked on a small scale in 1939-1940 and again in 1944-1945. Total production during these periods, wholly from the Upper Adit level, was approximately 119 tons averaging about 1.4 percent WO_3.

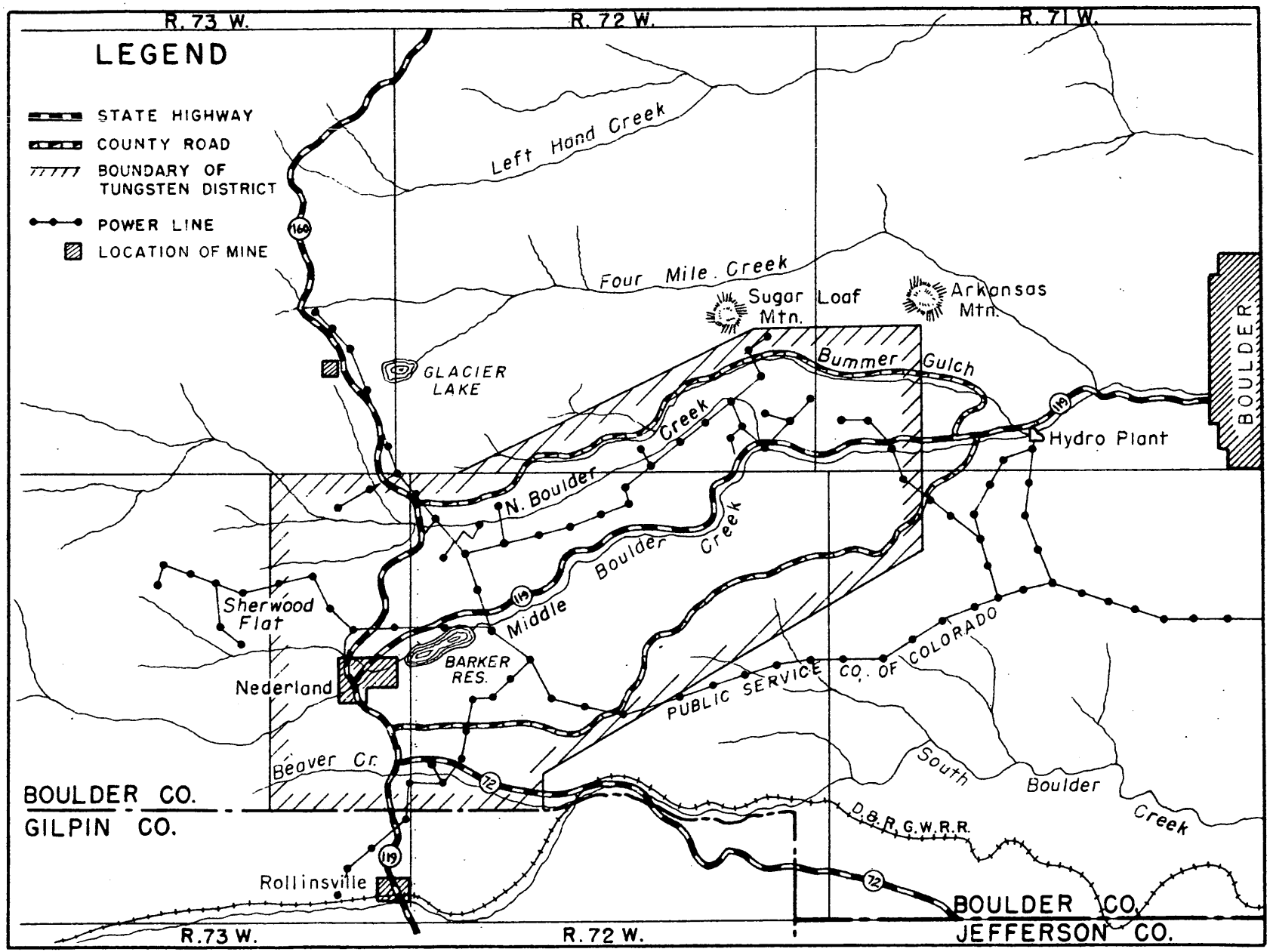


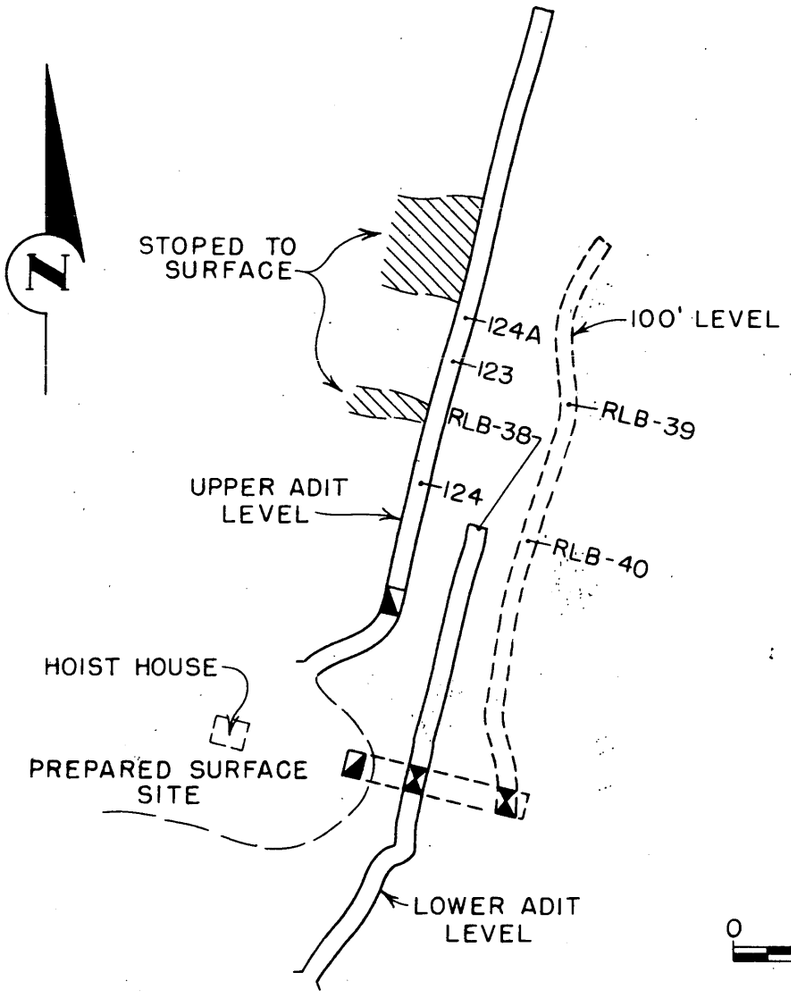
Figure 1.— Location Map, Hallie "A" Claim, Boulder County, Colo. DMEA 2650 Contract Idm-E415

DESCRIPTION OF DEPOSIT

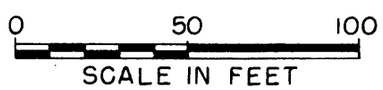
The Hallie "A" vein is a shear zone in the granite and gneiss country rock in which quartz and, to a minor extent, ferberite later were introduced. The zone consists of brecciated granite and gneiss with a filling of horn quartz and gouge. The vein strikes north-south, dips steeply to the east, and varies in width from a few inches to 3 feet. Its outcrop is obscured under a talus and boulder cover occurring at the foot of steep granite cliffs.

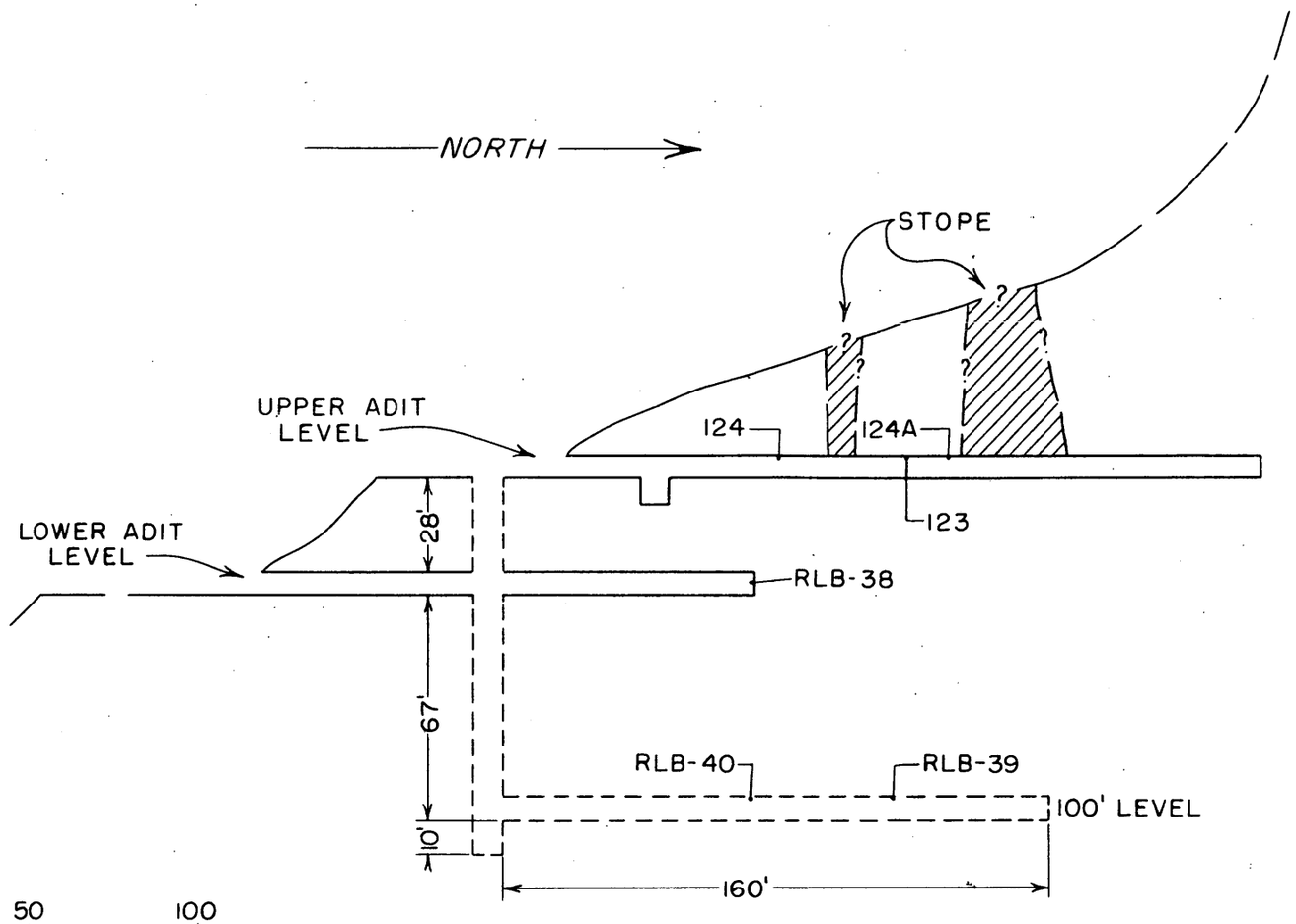
The development of the vein, including the exploration completed under the contract, is shown on figure 2. The upper adit exposed for approximately 180 feet along the zone a narrow streak of "peanut" ferberite. Two small ore shoots, apparently the only commercial showings along the adit, were stoped to the surface. The adit and the two stopes probably are the source of the small production reported. The adit is partly caved but mineral of a grade similar to that indicated by samples 123, 124, and 124A is reported to occur along the bottom of the drift and in an 8-foot winze below the drift.

The vein along the lower adit, some 33 feet below the upper adit, contains a few spots of low-grade siliceous mineral but for the most part, it is barren. This level was not extended to below the productive sections of the upper level, however, it is below the short winze in which ore was reported. In the breast, the zone is 2-1/2 feet wide and contains from 1/8 to 3 inches of horn ferberite which assayed 0.9 percent WO_3.



PLAN





LONGITUDINAL SECTION

SAMPLE DATA

SAMPLE NO.	WIDTH OF SAMPLE (FEET)	ANALYSIS %WO_3
123	1.50	0.81
124	4.00	0.27
124A	2.00	2.82
RLB-38	0.25	0.90
RLB-39	1.00	1.00
RLB-40	0.75	1.20

LEGEND

MINE DEVELOPMENT PRIOR TO 1952

EXPLORATION COMPLETED UNDER EXPLORATION PROJECT CONTRACT Idm-E415

MINERAL RESOURCES BRANCH – MINING DIVISION
REGION IV
BUREAU OF MINES

FIGURE 2 – PLAN AND SECTION OF HALLIE "A" MINE, BOULDER COUNTY, COLO. (DMEA 2650, CONTRACT Idm-E415)

The vein exposed in the exploratory shaft steepened with depth, becoming nearly vertical some 30 feet below the lower adit. The zone did contain an occasional fragment of ferberite in the 77-foot section of the shaft below the lower adit but essentially it was barren.

A lower level drift, 67 feet below the lower adit, explored the zone for 160 feet north of the shaft. Along this section the zone was nearly vertical and contained from 1/2 to 3 feet of gouge, crushed wall rock, and quartz. For most of the distance it was barren or contained only an occasional fragment of mineral. Between 70 and 78 feet from the shaft and again between 114 to 119 feet, the zone contained brecciated fragments of siliceous ferberite over a maximum width of a few inches. Sampling of these showings indicated the mineral was not commercial.

WORK COMPLETED, EXPENDITURES UNDER CONTRACT

Initial work by the operators involved bulldozing a site on the surface adjacent to the portal of the upper adit for the collar of the shaft and for a small hoist building. The site was covered with large boulders which required a reduction in size in order to be moved by the dozer. Upon completion of the site, a raise was driven to the surface from the lower adit. For most of its distance, the raise was driven through unconsolidated material and required close timbering and lagging. After completing the raise, a headframe was erected at its collar, a small shelter building for the hoist was constructed, hoisting equipment installed, and track for waste disposal was laid.

The operators proceded to extend the shaft 77 feet below the lower adit level. The contract authorized 85 feet of sinking, including a 10-foot sump, below the lower adit, but the operators requested permission to sink no deeper than 77 feet and to establish the new level 67 feet below the adit (100 feet below the shaft collar). Conditions then encountered did not warrant sinking deeper and permission was granted. The level drift was extended north from the shaft the authorized 160 feet.

Below the lower adit level, the ground was solid and little timber support was required. The level drift was not timbered and only wall plates and enough stulls to support the skids and ladderway were installed in the lower section of the shaft.

The lower workings made considerable water which necessitated constant bailing during the project. Shaft sinking was performed during the winter months. The water, both from seepage and that spilled during bailing, froze on the skids and ladderway and caused difficult operating conditions. Occasionally, during the winter months, the County Highway Department cleared the snow from the mine access road; there were periods, however, when the road was not open and the operation was isolated.

The operators attempted to contract the shaft sinking. What labor was available, however, was not dependable and the later phases of the program was completed by the operators themselves.

Apparently the operators were not financially able to undertake a project of this type. They anticipated that the Government participation in the established unit price alone would cover all the operational costs, including nominal wages for their own labor. Such

was not the case; actual costs to the operator probably equaled or slightly exceeded 100 percent of the established unit price. The operators had no reserve funds with which to finance their share of the expense. Even by furnishing their own labor at the project, the operators discovered that the Government participation alone would not finance both the operational costs of the project and their own living expenses.

Summary of Work Completed and Expenditures

Description	Units completed	Authorized unit cost	Total cost*
Preparation of surface site	job	$300.00	$ 300.00
Construction of hoist house	job	300.00	300.00
Erection of headframe	job	300.00	300.00
Raise shaft to surface	28 feet	60.00	1,680.00
Sink shaft below lower adit	77 feet	60.00	4,620.00
Drift on 100-foot level	160 feet	30.00	4,800.00
Total cost of project			$12,000.00
Government participation (75 percent)			9,000.00

*Subject to final review by the Contract Administration and Audit Division.

Two feet of authorized raising and 8 feet of authorized sinking were not completed. A total of $600.00 of the authorized contract amount of $12,600.00 was unexpended--Government participation $450.00.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that commercial grade ferberite on the Hallie "A" vein does not extend to any appreciable depth below the upper adit level. The mineral exposed along two short sections of the 100-foot level is siliceous and not considered to be of commercial grade or extent. The mineral indicated by exploration below the lower adit is

too insignificant to warrant a certification of discovery under the exploration project contract.

The mineral showings on the 100-foot level are below and may represent the projection of the small ore shoots mined from above the upper adit level. The operators requested funds to explore these showings by means of two short raises to be driven at a unit cost of $60.00 per foot. On the supposition that the steepening of the vein may have limited the downward extension of ore, the Defense Minerals Exploration Administration representatives, while not too favorably impressed, would have approved a single short raise from the lower level. The unit cost requested, however, was considered excessive and it was pointed out to the operators that approval of the proposed work necessarily would be delayed for 30 days or possibly more. As the operators did not possess necessary funds to keep the workings unwatered and maintain themselves for such a period, they withdrew their request and abandoned the property.

Further exploration from the 100-foot level is not warranted before the extension of ore to at least the depth of the lower adit level is confirmed. It was recommended to the owner of the property that his assessment would be most profitably spent in extending this level to below the productive sections of the upper adit. At best, only moderate reserves could be developed by such work; it would, however, determine whether ore extended to that depth and whether deeper development is warranted.

Ore shoots in this district often are very limited in extent. The extension of the lower adit level to below productive sections of the vein, as originally requested by the operators, would have been more practical exploration under this contract. A 50-foot extension of this level drift at a cost of about $1,500.00 would have proved or disproved the extension of the ore to moderate depths. Deeper exploration could have been authorized contingent upon the results of that work.

400

October 15, 1953

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Memorandum of Non-Discovery
Docket No. DMEA 2650 - Tungsten
Hallie "A" Mining Company
Boulder County, Colorado
Contract No. Idm-2415 (Issued from Region IV)

This Division hereby concludes that the work done on the subject property, as described under Exhibit "A" of the contract, has resulted in no discovery or development from which commercial production may be made.

Contract dated - October 6, 1953
Contract amount - $12,600.00; Government share (75%) - $9,450.00

The property consisted of one unpatented lode mining claim, the Hallie "A", recorded in Book 629, Page 292, Boulder, Colorado.

The work consisted of bulldozing surface site, constructing shaft house, erecting head frame, raising shaft 30 feet, sinking 85 feet and drifting 160 feet.

The target was to cut a vein at depth. Ore had been mined from an upper adit to surface.

The work completed was as follows: Bulldozing surface site, construction of shaft house, erection of head frame, raising shaft 28 feet, sinking shaft 77 feet, and drifting 160 feet, at a total cost of $12,000.00, leaving a balance of $660.00.

The work was carried out efficiently and at the unit costs as designated in the contract.

Inasmuch as the work completed constitutes substantial compliance with the requirements of the contract, formal termination is unnecessary.

No ore was found and there will be no certification of the project.

TLChapman/ls
10/15/53

cc: Docket
Adm. Read. File
Code 400
Oper. Comm.
FT, Region 4

W. S. Martin, Chief
Iron and Ferro-Alloys Division

C O MITTENDORF, DMEA

REFERENCE DOCKET 2650, CONTRACT IDM E-415, MCBROOM AND ALLEN, HALLIE "A" MINING COMPANY. WORK SUSPENDED LEAVING TWO FEET RAISING, EIGHT FEET SINKING, AND FUNDS IN THE AMOUNT OF $600.00 UNEXPENDED. IN THE OPINION OF OPERATOR AND GOVERNMENT FURTHER WORK NOT WARRANTED. PLEASE TELETYPE AUTHORITY FOR US TO PREPARE TERMINATION BY MUTUAL AGREEMENT X

JOHN W. SHAW FOR
W. H. KING

Reg. 4 - August Report

E-415 DMEA-2650 - Hallie "A" Mining Company (Tungsten), Boulder County, Colo.

Contract work has been completed; the operators were going to request an amendment for raising but decided to drop the request and no further work will be done. The final engineering report is ready for typing.

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 1/19/53

REFERRED TO:

1. ~~Mr. Ellis~~
2. Mr. Martin - Rm. 3538
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	✓ Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS: Believe this belongs to your division. HOO has already rec'd copy of Fryer's memo.

Check (X) before the items needing attention.

FEJ
Initials of sender.

GPO 16—63815-1

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

Docket.

224 New Customhouse
Denver 2, Colorado

January 6, 1953 WSM

Memorandum

To: J. H. East, Jr., Regional Director

From: W. H. King, Executive Officer, Field Team, Region IV

Subject: Docket No. DMEA 2650, Contract Idm-E415 (Tungsten), McBroom and Allen (Hallie "A" mine), Boulder County, Colorado

Enclosed is a copy of a letter dated December 11, 1952 from the Acting Chairman of the Operating Committee to the Executive Officer, Region IV. Also enclosed is a copy of a memorandum from Scott W. Hazen, Jr., Bureau Engineer to the Chief of Mineral Resources Branch, Mining Division, Region IV.

Contract Idm-E415 was prepared in accordance with the recommendations and the final report of the examining engineers. Hazen's memorandum indicates that the recommendations were based on sound engineering principles.

We believe that the examining engineer and geologist were in a position to judge the merits of this project.

for John F. Shaw
W. H. King

Enclosures

No reply nec.
JEP

copy made & retained in code 400, LS.

400

COPY

224 New Customhouse
Denver 2, Colorado

January 6, 1953

Memorandum

To: J. H. East, Jr., Regional Director

From: W. H. King, Executive Officer, Field Team, Region IV

Subject: Docket No. DMEA 2650, Contract Idm-E-415 (Tungsten) McBroom and Allen (Hallie "A" Mine), Boulder County, Colorado

Enclosed is a copy of a letter dated December 11, 1952, from the Acting Chairman of the Operating Committee to the Executive Officer, Region IV. Also enclosed is a copy of a memorandum from Scott W. Hazen, Jr., Bureau Engineer to the Chief of Mineral Resources Branch, Mining Division, Region IV.

Contract Idm-E-415 was prepared in accordance with the recommendations and the final report of the examining engineers. Hazen's memorandum indicates that the recommendations were based on sound engineering principles.

We believe that the examining engineer and geologist were in a position to judge the merits of this project.

Signed: John F. Shaw
for W. H. King

Enclosures

Pencil notes on original letter:

Where would you place station if not on surface--45' to surface wash--gasoline hoist
No reply necessary--FEJ

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 1/12/53

REFERRED TO: Mr. Selfridge, Rm. 3538

1.
2.
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

May not need an answer now.

REMARKS: Next time we write, ask about the claim map if it has not come in to us in the meantime

WSM

Check (X) before the items needing attention.

Frank E. Johnson

(FEJ) *Initials of sender.*

GPO 16—63815-1

400

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 9 1953

224 New Customhouse
Denver 2, Colorado

January 6, 1953

Memorandum

To: C. O. Mittendorf, Administrator

From: Executive Officer, Field Team, Region IV

Subject: Docket No. DMEA 2650, Contract Idm-E415, (Tungsten), McBroom and Allen (Hallie "A" mine), Boulder County, Colorado

Enclosed are two copies of a memorandum from Scott W. Hazen, Jr., Bureau of Mines Engineer, in reply to the letter dated December 11, 1952 from the Acting Chairman of the Operating Committee to the Executive Officer, Region IV.

John F. Shaw for
W. H. King

Enclosures

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 30, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 8 1953

Memorandum

To: Executive Officer, Field Team, Region IV

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

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), McBroom and Allen (Hallie "A" mine), Boulder County, Colorado

Please find enclosed the original and two copies of a memorandum from Scott W. Hazen, Jr., replying to Ernest William Ellis's letter of December 11, 1952, to you on the above docket.

Hazen was assigned to write the memorandum after he had consulted with Floyd D. Everett, who made the two original engineering reports on the project, as well as with R. L. Bolmer, who made the first inspection and established the starting point. Both of these engineers were involved in other work that made them unavailable for preparing the memorandum.

Apparently the claim map mentioned has not been forthcoming and, if one is required, McBroom and Allen should be notified.

W. M. Traver Jr.

W. M. Traver, Jr.

enclosures

WMT/eb

cc WHKing (2)
E415
DMEA Chron

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 30, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 9 1953

Memorandum

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

From: Scott W. Hazen, Jr.

Subject: DMEA 2650, Contract Idm-E415 (Tungsten), McBroom and Allen (Hallie "A" mine), Boulder County, Colorado

Referring to the letter dated October 11, 1952, signed by Ernest William Ellis, Acting Chairman, Operating Committee, regarding the subject mine, the following reasons are listed for favoring the shaft versus the winze:

1. The operator and applicant preferred the shaft method.

2. The winze would require station cutting for the hoist and service area.

3. Underground hoisting would require compressed air hoist power which, in turn, requires much more compressor capacity than is now available. The larger compressor capacity would require about 5 gallons of gasoline per hour as against about 1 gallon per hour for a surface hoist powered by gasoline.

4. If the winze had been selected it would require 20 to 25 feet of "head" room for timbering, sheave wheel, hoisting overwind or safety leeway so the bucket would not be pulled into the sheave, cable clamps and bight for attachment to bucket, and for bucket and dumping apron above car height at drift level. This footage is essentially equivalent to the distance between the tunnel level and the surface. It would be sufficiently close to "hole" into overburden and the larger boulders above the winze site.

5. The underground hoist would require the hoistman to remain at the hoist and necessitate a trammer to move the hoisted rock to the dump.

6. The shaft will allow the hoistman to handle the short tram to the dump and eliminate the cost of the trammer.

7. Natural ventilation through the shaft will be better than through the winze located underground.

8. The ore in the upper tunnel is found within a short distance of the shaft. Drifting footage will be almost the same from the shaft as drifting both ways from the bottom of the winze to the limits of mineralization.

9. The winze would possibly be put down on ore, but it would require pillars left in ore to protect the winze from caving. The shaft, located on the edge of mineralization, will require pillars but they will be in waste and all the ore found can be mined.

10. Although the "raising" cost for the portion of the shaft between the first level and surface may seem high, it is believed to be less than holing the winze headroom into an inaccessible area under the cliff face.

Inasmuch as the lower tunnel encountered ore in the last 45 feet, the shaft is only 15 feet from this first showing of ore. This appears to be indicative of a rake to the south, but it is not definitely established from the evidence available.

The scales were inadvertently omitted from the two sketch maps. The correct scales, as noted, are 1 inch = 300 feet for figure 3, and 1 inch = 50 feet for figure 4.

Scott W. Hazen, Jr.
Mining Engineer

SWH/cb

cc WHKing (2)
E415
DMEA Chron

Region IV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Docket

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
December 30, 1952

Memorandum

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

From: Scott W. Hasen, Jr.

Subject: DMEA 2650, Contract Idm-R415 (Tungsten), McBrown and Allen (Hallie "A" mine), Boulder County, Colorado

Referring to the letter dated October 11, 1952, signed by Ernest William Ellis, Acting Chairman, Operating Committee, regarding the subject mine, the following reasons are listed for favoring the shaft versus the winze:

1. The operator and applicant preferred the shaft method.

2. The winze would require station cutting for the hoist and service area.

3. Underground hoisting would require compressed air hoist power which in turn requires much more compressor capacity than is now available. The larger compressor capacity would require about 5 gallons of gasoline per hour as against about 1 gallon per hour for a surface hoist powered by gasoline.

4. If the winze had been selected it would require 20 to 25 feet of "head" room for timbering, sheave wheel, hoisting overwind or safety leeway, so the bucket would not be pulled into the sheave, cable clamps and tight for attachment to bucket, and for bucket and dumping apron above car height at drift level. This footage is essentially equivalent to the distance between the tunnel level and the surface. It would be sufficiently close to "hole" into overburden and the larger boulders above the winze site.

Copy made + returned 400.

Copy retained 400

Pocket

5. The underground hoist would require the hoistman to remain at the hoist and necessitate a tramser to move the hoisted rock to the dump.

6. The shaft will allow the hoistman to handle the short tram to the dump and eliminate the cost of the tramser.

7. Natural ventilation through the shaft will be better than through the winze located underground.

8. The ore in the upper tunnel is found within a short distance of the shaft. Drifting footage will be almost the same from the shaft as drifting both ways from the bottom of the winze to the limits of mineralization.

9. The winze would possibly be put down on ore, but it would require pillars left in ore to protect the winze from caving. The shaft, located on the edge of mineralization, will require pillars but they will be in waste and all the ore found can be mined.

10. Although the "raising" cost for the portion of the shaft between the first level and surface may seem high, it is believed to be less than holing the winze headroom into an inaccessible area under the cliff face.

Inasmuch as the lower tunnel encountered ore in the last 45 feet, the shaft is only 15 feet from this first showing of ore. This appears to be indicative of a rake to the south, but it is not definitely established from the evidence available.

The scales were inadvertently omitted from the two sketch maps. The correct scales as noted are 1 inch = 300 feet for figure 3, and 1 inch = 50 feet for figure 4.

Scott W. Hasen, Jr.
Mining Engineer

SWH/eb

cc WHKing (2)
E415
DMEA Chron

DEC 11 1952

Mr. W. H. King
Executive Officer, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 2650 - Tungsten
McBroom and Allen
Hallie "A" Mining Claim
Boulder County, Colorado
Contract No. Idm-2415

Dear Mr. King:

Our letter of October 9, 1952, returned to you three copies of the subject contract to which we had assigned the appropriate contract number at your request. At the same time we asked: "Would it have been more feasible to sink an exploratory winze between the two stopes on the No. 1 adit level rather than sink the shaft to the south and then drift in under the same area?"

Although we have received no reply to the above inquiry, we received on November 24, 1952, copies of your final report of August 22, 1952, covering the same project. The contract, on the "Short Form," allows, among other items: "Raising shaft 30 feet at $60.00 per foot - - - - $1,800." According to the final report, "The $60.00 a foot for raising is allowed because of the unconsolidated material to be expected near surface, which probably will require heavy timbering." Inasmuch as DMEA has approved the contract as written, with its proposal to raise through unconsolidated material, we believe that, in addition to your usual careful supervision, particular attention should be given to the safety aspects of the project.

The final report adds that since June 1952 the upper adit has been made accessible and that the ore showings in that adit are encouraging. After reviewing Docket No. DMA 2058 (covering the application of Mr. N. G. Mitts, now the lessor), we note that the final report makes no mention of two previous items: (1) the winze from the upper adit, 8 feet deep, which reportedly had good ore in the bottom, and (2) the 2 percent ore said to be present in the floor of the upper

adit. Dependable information about the ore in winze and adit floor might give some indication about the rake, if any, of the ore body already stoped out above the adit level. Unless that ore body rakes strongly southward, we believe that our above comment of October 9, 1952, is still applicable.

e note that the plans appended to Mr. F. D. Everett's field report of August 18, 1952, show no scales. Possibly the scales should be 1" = 300' for fig. 3 and 1" = 50' for fig. 4. It will be appreciated if you will send us, promptly after it is made available to you, a copy of the claim map which, according to the same report, a Boulder County engineer has agreed to make.

Sincerely yours,

Ernest Wm. Ellis

ACTING Chairman, Operating Committee

Approved:

J. E. Edges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

Copy to: Docket
Admn. Read. File
Field Team, Region 4
W. S. Martin
G. C. Selfridge
Oper. Committee
D. M. Lemmon, USGS
R. W. Geehan, USBM

WSMartin:ls 12/10/52

Extracted from Monthly Report of Region IV for October 1952.

DMEA-2320 - Coughlin and Henderson

The compressor drive motor required overhauling and part of the period was devoted to that. When completed, drifting was started and the south drift was advanced 14 feet. After widening at some locations, track was laid and the stope above the drift caught up.

DMEA-2343 - George Jump

Preparatory work for sinking the winze from the lower, or Good Friday, tunnel and consisting of rehabilitation work was completed and one round drilled and blasted in the winze. Sinking started on good ferberite ore.

DMEA-2387 - A. W. Brown

The Blue Jay tunnel was advanced 10 feet for the period, with up to two or more ½-inch streaks showing. Operations have been slowed by the inability of the contractor to hire competent labor.

DMEA-2548 - Hobitsch and Brewster

The contractor has notified the Colorado Branch office that he is attempting to negotiate a subcontract for underground drilling.

DMEA-2650 - Hellie "A" Mining Company

Operations started October 27 and a progress report is not expected before the end of November.

DMA-1392X - Cecil R. Woodman

Stage A, surface stripping by bulldozer, has been completed on both properties. The work on the Queen Bee revealed no mineralization or structures of significance. One zone of scheelite mineralization has been uncovered on the Yellow Hammer property. A decision is pending concerning additional work on this occurrence.

DMA-1906 - Louise W. Garrick

Work on project 2 was continued during October and an advance of 35 feet was made in the dirft. The direction of the drift has been changed slightly to the left. The entire advance has been along tungsten ore varying from 2 feet to 2½ feet in width.

OCT 9 1952

Mr. W. H. King
Executive Officer, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMTA 2650 - Tungsten
McCroom and Allen
Hallie "A" Mining Claim
Boulder County, Colorado
Exploration Contract Idm-2615

Dear Mr. King:

Returned herewith are three copies of the subject contract which has been given the number Idm-2615. These are for the Operator, the Field Team and the Regional Finance Officer.

Would it have been more feasible to sink an exploratory winze between the two stopes on the No. 1 adit level rather than sink the shaft to the south and then drift in under the same area?

Sincerely yours,

(signed) HENRY E. JOHNSON

Chairman, Operating Committee

Enclosures

GCSelfridge'lm
10/7/52

Approved:

W. H. Hodges

Member, Bureau of Mines

[illegible]

Member, Geological Survey

cc: Admn. Reading File
Docket
F. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. IV
Operating Committee
G. C. Selfridge

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
OCT 2 - 1952

Mining Division
Region IV

August 22, 1952

Memorandum

To: Field Team, Region IV

From: Acting Chief, Mining Division, Region IV

Subject: Final Report, DMEA 2650 (Tungsten), McBroom and Allen, Hallie "A" Claims, Boulder County, Colorado

Enclosed are the original and eight copies of the engineering supplement to cancelled DMA 2058 which is now DMEA 2650.

The examining engineer estimates the project can be completed for $12,600 and recommends that the loan be granted.

We concur in this recommendation.

John F. Shaw
for W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Room 137, Building 20
Denver Federal Center
Denver 14, Colorado
August 20, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMMA 2650 (Tungsten), Mulroon and Allen, Mollie "A" claims, Boulder County, Colorado - Revision and supplement to canceled DMA 2038

Please find enclosed the original and eight copies of the above-mentioned memorandum by F. B. Everett.

This is mainly a revision of a project approved by an examining team, September 1951, under docket DMA 2038.

Everett estimates the suggested work under the new application can be done for $12,600.00 and considers it to have the same favorable possibilities for delineating tungsten reserves as the original project. He recommends the loan on a 75 percent participation basis and I concur.

The brochure submitted with the Region IV Field Team's memorandum of instruction to make the examination is also enclosed.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/mah

cc 8
DMMA 2650
DMMA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

August 18, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: F. D. Everett

Subject: DMEA 2650 (Tungsten), McBroom and Allen, Hallie "A" claims, Boulder County, Colorado - Revision and supplement to canceled DMA 2058

The Hallie A claims (fig. 3) were revisited August 13, 1952, by the Bureau of Mines member of the Defense Minerals Administration examining team to obtain data from new work and to clarify a substitute project proposal by James L. McBroom to replace a loan application by Norris G. Mitts submitted under DMA 2058 in September 1951. The Mitts project was approved but he requested cancellation in favor of James L. McBroom and L. R. Allen who leased the property June 1, 1952. James L. McBroom's address is P. O.Box 372A, Route 2, Boulder, Colorado, and L. R. Allen's, Grand Junction, Colorado. A copy of the lease agreement is attached to McBroom's application. The June Rose claim shown on figure 3 is not owned by either Norris G. Mitts or James L. McBroom and, therefore, is not a part of the property.

Since June 1952, McBroom advanced the lower adit about 95 feet, the last 45 feet containing low-grade tungsten ore, and made the upper adit accessible. The ore showings in the upper adit were encouraging.

The revised proposal shown on figure 4 is:

1. Bulldoze a surface site for a shaft at about the same elevation as the upper adit dump,

2. Raise from the lower adit 30 feet to the surface,

3. Erect a headframe and an 8- by 12-foot building for sheltering the hoist, et cetera, and

4. Sink 85 feet, including a 10-foot sump, and drift 160 feet on the vein excluding about 10 feet of drifting allowed where the shaft intersects the two levels.

The applicant agrees to perform the above under a Defense Minerals Exploration Administration short form contract for the following project cost allowances:

Bulldozing surface	$ 300.00
Construct building (8 feet by 12 feet)	300.00
Erect headframe	300.00
Raise 30 feet at $60.00 per foot	1,800.00
Sink 85 feet at $60.00 per foot	5,100.00
Drift 160 feet at $30.00 per foot	4,800.00
	$12,600.00

The cost allowances are somewhat less than those estimated in the Norris G. Mitts application, but, according to Defense Minerals Exploration Administration Circular 21, estimates should be made close and, if possible, less than calculated costs. The $60.00 a foot for raising is allowed because of the unconsolidated material to be expected near surface which probably will require heavy timbering.

The Government participation in a $12,600.00 tungsten loan is 75 percent, or $9,450.00. The applicant, an experienced tungsten miner, states that he is able to finance his portion of the project. The project is estimated to require 12 months for completion; work will probably have to be suspended during January, February, and March.

The location of the claims as shown on figure 3 was taken from the engineer's interpretation of the Boulder County records. The applicant was unable to show the exact location of claim corners. The workings on the Hallie 1 claim were located by compass and tape traverse from the northeast claim corner of the June Rose patented claim which was pointed out on the ground by McBroom. Arrangements have been made by the owner with a Boulder County engineer to survey the claims as soon as possible.

The lease attached to the application is made out to McBroom and it will be necessary for him to furnish an assignment to the partnership. Mitts should be supplied with subordination forms for signature when the contract is drawn up.

F. D. Everett
F. D. Everett
Mining Engineer

Attachments

FDE/bam

cc 8
DMEA 2650

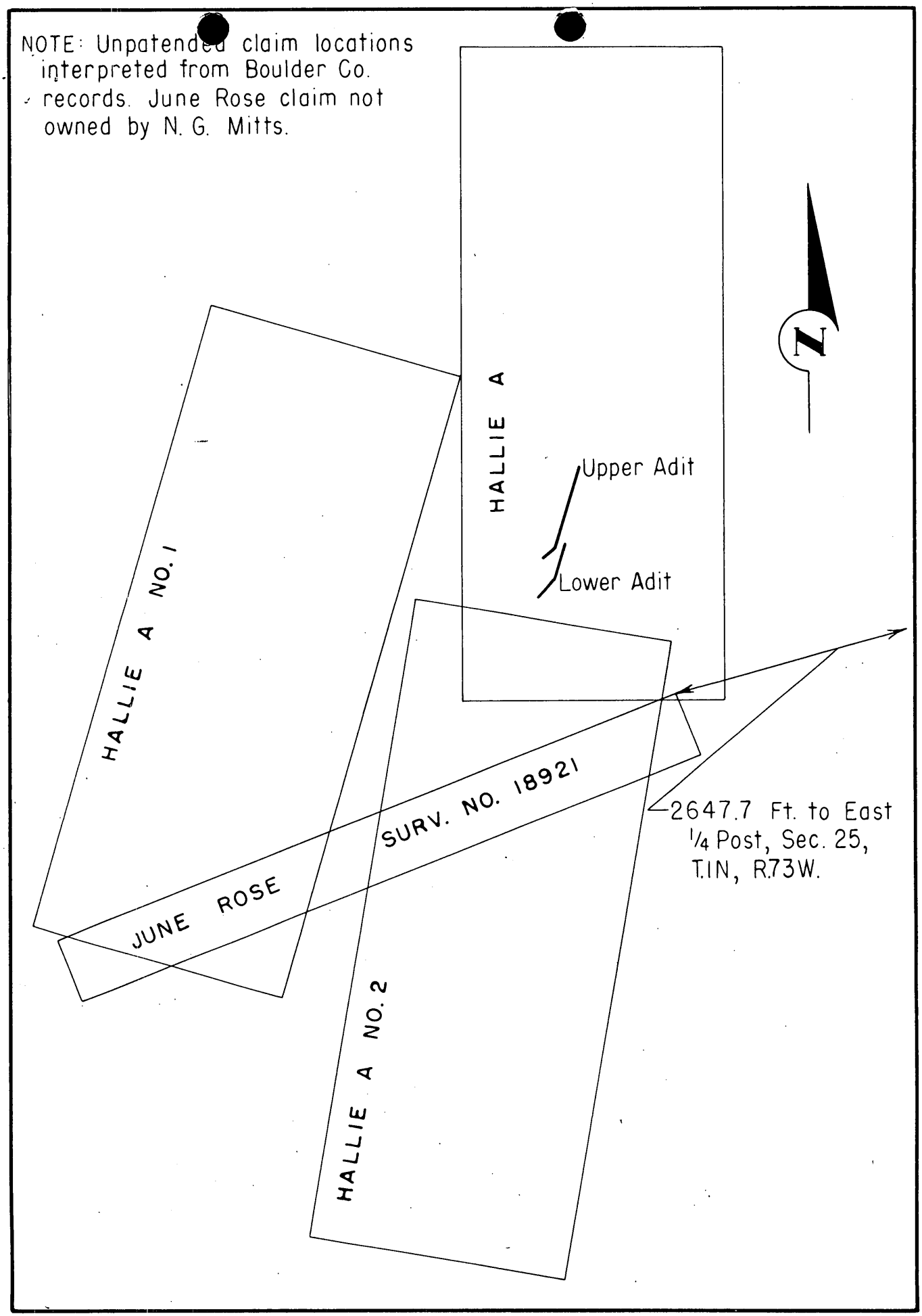


FIG. 3.- HALLIE A TUNGSTEN PROPERTY CLAIM MAP, BOULDER CO. COLO. D.M.E.A. 2650

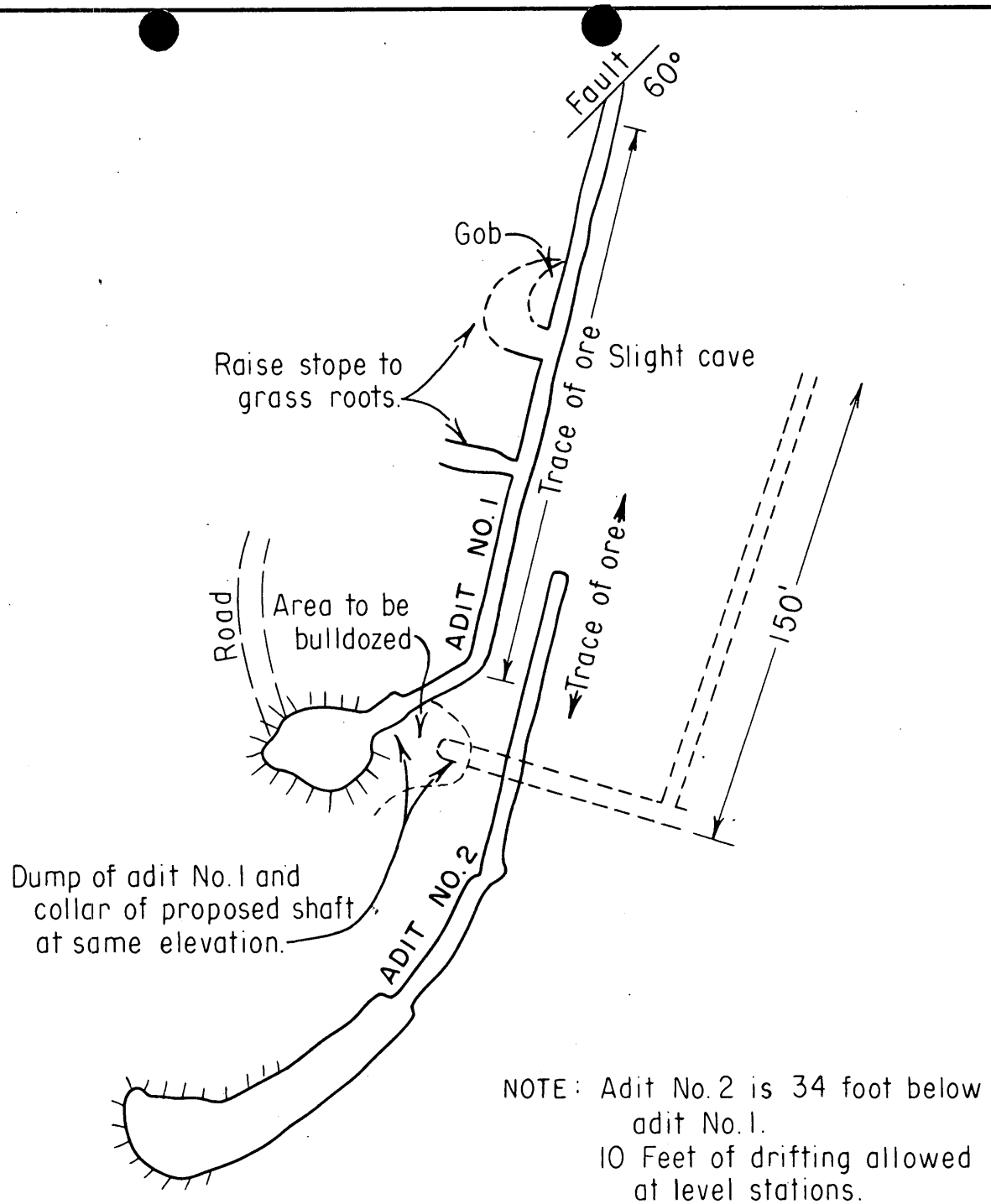


FIG. 4. - HALLIE A. TUNGSTEN WORKINGS AND PROPOSED WORK, AUG. 1952 D.M.E.A. 2650

Dmea 2650 Idm-E-415

Dmea 2650, Idm E-415.

MF-200 (A)
(February 1952)

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 8 1952

DOCKET NO. DMEA 2650

COMMODITY Tungsten

IDM-E 415

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

DIVISION COPY

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this 6th day of October, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] James L. McBroom, Box 372A, Rt. 2, Boulder, Colorado, and L.R. Allen, Grand Junction, Colorado, a partnership under the name of Hallie "A" Mining Company

hereinafter called the "Operator," as follows:

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

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Colorado County of Boulder, described as follows:[3] Hallie "A" Mining Claim recorded in Book 629, Page 292, in the County Clerk and Recorder's Office of Boulder County

the Operator represents and undertakes:[4]

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

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

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

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

in or upon the described land; and shall bring the project to completion within a period of 14 months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay seventy-five (75) percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $ 9,450.00, which is 75 percent of $ 12,600.00, the agreed, estimated total cost of the project in which the Government will participate: *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ARTICLE 9. *Changes and added provisions* _____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Hallie "A" Mining Company
(Operator)

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

By James L. McBroom
L. R. Allen

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

_____ [CORPORATE SEAL]

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

MF-203

OWNER'S CONSENT TO LIEN

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

The Hallie "A" Mining Claim recorded in Book 629, Page 292, official records of said County

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

2/ James L. Holroon
L. R. Allen

hereinafter called the "Operator"; and

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

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

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

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract, or any amendment thereof which does not increase the maximum amount of the Government's claim here stated or alter the provisions for repayment, there is hereby granted to the Government a lien upon the land herein described and upon any production of minerals therefrom, until the royalty claim is fully paid in the amount of the Government's contribution, not in excess of 4/$ 9,450.00, or ten years have elapsed from the date of the contract.

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

Dated this 3 day of September, 195 2.

_____ [Seal]

Norris G. Witter [Seal]

_____ [Seal]

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

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

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

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

RELEVANT CONTRACT PROVISIONS

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

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

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

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

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

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

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

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

EXHIBIT "A"

Description of the Work

Bulldoze a surface site for shaft and hoist house at about the same elevation as the upper adit dump.

Raise the shaft from the lower adit 30 feet to the surface.

Erect a headframe and an 8x12 foot hoist house.

Sink the shaft 85 feet, including a 10 foot sump, below the No. 2 adit level.

Drift 160 feet in a northeasterly direction on the vein on the bottom level which is 75 feet below the No. 2 adit.

The work is shown on Figure 4 which is attached hereto. Figures 3 and 4 are hereby made a part of EXHIBIT "A".

Estimated Costs of the Project

Bulldozing surface site 1/	$ 300.00
Construct hoist house 1/	300.00
Erect headframe 1/	300.00
Raising shaft 30 feet @ $60.00 per foot	1,800.00
Sink 85 feet @ $60.00 per foot	5,100.00
Drift 160 feet @ $30.00 per foot	4,800.00
Total	$12,600.00
Government participation at 75%	$9,450.00

1/ The entire work constitutes the unit of work.

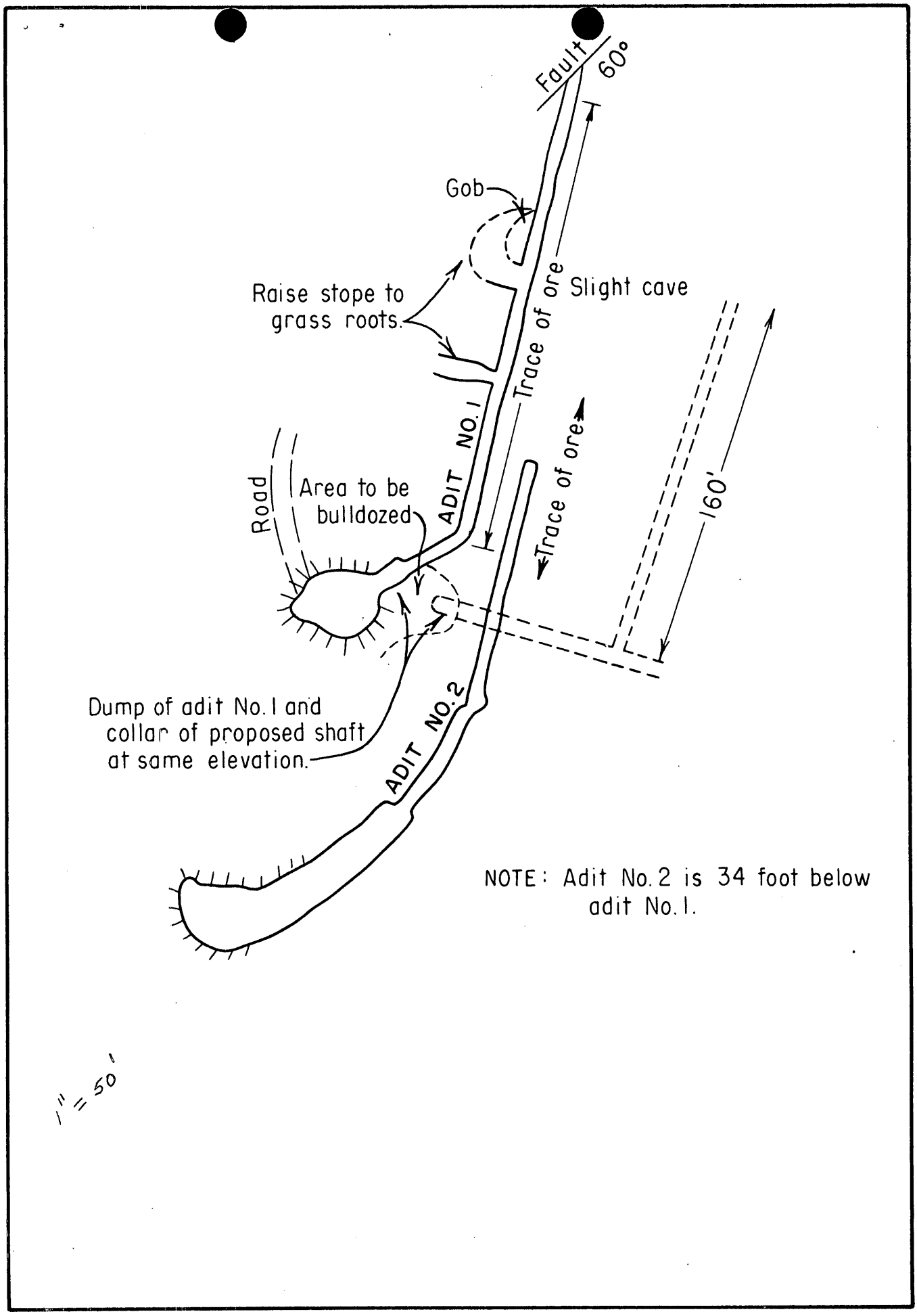


FIG. 4. - HALLIE A. TUNGSTEN WORKINGS AND PROPOSED WORK, AUG. 1952 D.M.E.A. 2650

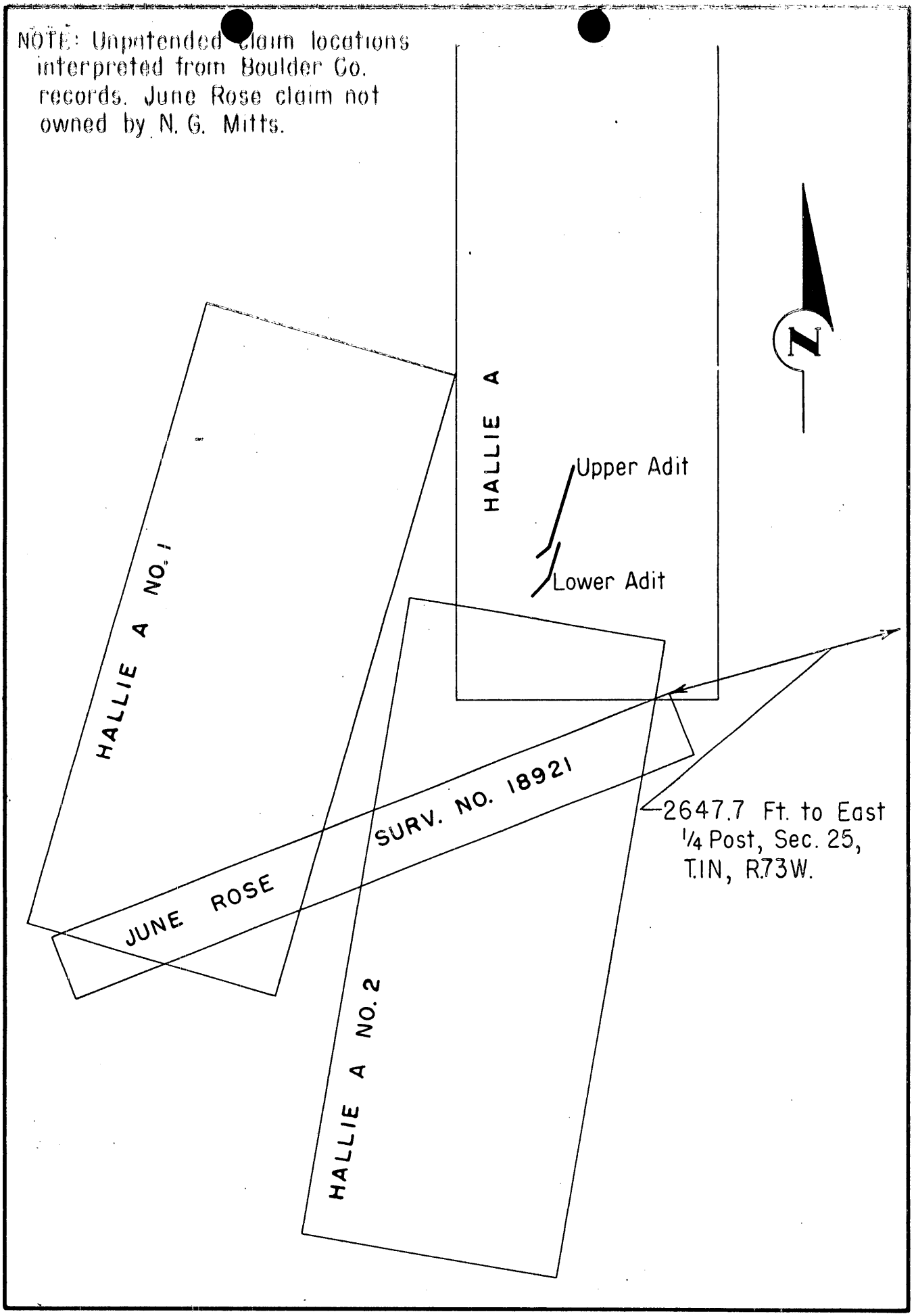


FIG. 3.- HALLIE A TUNGSTEN PROPERTY CLAIM MAP, BOULDER CO. COLO. D.M.E.A. 2650