UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 500

August 4, 1958

MEMORANDUM:

To: Mr. Wingfield N. Chamberlain
Division of Operation Control & Statistics

From: Director, Division of Base Metals

Subject: Semi-Annual Reports of Certified Projects for the period January 1, 1958 thru June 30, 1958.

The following projects were inactive during the cited period.

Docket No.	Contract No.	Name
DMEA-3112	Idm-E651	Centrida Mines, Inc.
DMEA-432	Idm-E1	Mines Management, Inc.
DMEA-81	Idm-E18	United Minerals Corporation
DMEA-1166	Idm-E76	American Zinc, Lead & Smelting Co.
DMEA-390	Idm-E63	Highland-Surprise Cons. Mining Co.
DMEA-125	Idm-E81	Bennett Mining Company
DMEA-981	Idm-E88	Idaho Mining Company
DMEA-525	Idm-E137	Spokane Mining Syndicate
DMEA-1877	Idm-E155	William Mulcahy
DMEA-652	Idm-E177	South Mt. Mining & Concentrating Co.
DMEA-1596	Idm-E184	Nabob Silver-Lead Company

DMEA-2166	Idm-E208	Farmer Mine Enterprises
DMEA-1959	Idm-E223	Wylie M. Gardner and L. R. Vance
DMEA-2123	Idm-E228	Pacific Northwest Mining Company
DMEA-1831	Idm-E242	William Soren
DMEA-1175	Idm-E251	Amador Mining Company (assignee of Kootenay Copper Mines)
DMEA-1894	Idm-E266	Buchman, Breckon and Norden
DMEA-2213	Idm-E294	Elmer Enderlin
DMEA-2388	Idm-E301	American Zinc, Lead & Smelting Co.
DMEA-2269	Idm-E308	Mines Management, Inc.
DMEA-2420	Idm-E380	Hypotheek Mining and Milling Co.
DMEA-2237	Idm-E421	Signal Mining Company
DMEA-2637	Idm-E475	Golconda Lead Mines
DMEA-2862	Idm-E482	Spokane-Idaho Mining Co.
DMEA-2612	Idm-E489	Granore Company (assignee of Index Mining Company)
DMEA-2929	Idm-E587	Grandview Mines
DMEA-3142	Idm-E644	Howe Sound Company
DMEA-3288	Idm-E667	Alaska Copper Mines, Inc.
DMEA-3664	Idm-E819	Highland-Surprise Cons. Mining Co.

W. R. Griswold

WRG/dl 8-4-58
cc to: Dockets (28)
Admr. R. File
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

January 30, 1958

Memorandum

To: Wingfield N. Chamberlain, Statistics Branch
Division of Operation Control & Statistics

From: Director, Division of Base Metals

Subject: Semi-annual reports on certified projects
Period - July 1 thru December 31, 1957

The following projects have been inactive throughout the reporting period:

DMEA No.	Contract No.	Name of Operator
2260	Idm-E246(amended)	Pohl and Hogan
2123	Idm-E228	Pacific Northwest Mining Co.
1175	Idm-E251	Amador Mining Company (assignee of Kootenay Copper Mines)
1877	Idm-E155	William Maloney
2420	Idm-E380	Hypothesis Mining & Milling Company
2166	Idm-E208	Farmer Mine Enterprises
1959	Idm-E223	Fairway Uranium Corporation
3142	Idm-E644	Howe Sound Company

Please note that the property covered by DMEA-3142 has been abandoned and the mill and all structures removed, and the mine allowed to fill with water. It is most unlikely that this property will ever again be operated.

W. R. Griswold

WRGriswold:ms 1/30/58
Copies: Dockets as above
chron

8627

DEFENSE MINERALS EXPLORATION ADMINISTRATION

For the period January 1 - June 30, 1957

Base Metals Division Date February 13, 1958

Semi-Annual Report - Certified Project Date

DMEA No. 1877 Operator William Mulcahy Contract No. Idm-E 155

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	No Estimate	
Increase (Operator)		
Total		
Decrease (Production)		
Net Available		

Investment

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

W. R. Griswold/er

Re: DMEA - 1877

Docket indicates 6 tons of 12 o/o Pb, 8 oz Ag and $5.50 Au ore. ??

Talbert 9/4/62

Also, royalty date expired Sept. 19, 1961

Grace

MME Form 63
Revised 3-62

DMEA-1877
Idm-E155

OFFICIAL FILE COPY
O. M. E
RECEIVED AUG 31 1962

DATE	IN	
9/4		800
9/5		100
9/5	on leave	110
	Greenwald	500
		220

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since January 1, 1958, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since January 1, 1958, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and name and address of purchaser.

	Quantity	Value

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity	Estimated Grade	Location
Ore	ABOUT A TON Tons	P.B. 40 A.G 7% · 20. 8 oz	MINE PORTAL
Concentrates	Tons		
Other	Tons		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name William Mulcahy Title OWNER

Address P.O. BOX 21 Butte Mont Date August 24 1962

See Memorandum to File 9/14/62 and
letr. to Operator releasing lien 9/14/62

4511

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

August 17, 1962

Re: DMEA-1877 (Lead)
William Mulcahy
Summit Mine
Jefferson County, Montana
Contract Idm-E155

Mr. William Mulcahy
P. O. Box 21
Butte, Montana

Dear Mr. Mulcahy:

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

We wrote you previously on June 14 but we have had nothing from you. We would like to hear from you so that we may release the Government lien against any production from the property; it actually would be for your own benefit.

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 27 1958

DATE	INITIALS	CODE
1-28	C	220
28	Chm	00

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1957

Date of report: December 18, 1957

Operator: William Mulcahy, P. O. Box 21, Butte, Montana

Mine name: Summit

County and State: Jefferson County, Montana

Docket number and commodity: DMEA-1877 (lead)

Contract number: Idm-E155

Property inactive. No change in royalty status since report of January 1 to June 30, 1956.

The Uranium Corporation of America did not renew their lease, but while their lease was in effect they built a rough road to the property.

The Operator is maintaining the adit and also advanced both headings a few feet as assessment work.

The mine is inaccessible at this time.

Signed: George T. Krempasky (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (2)
USBM (AD)

ACTION ON INTERIM
OR FINAL FIELD TEST REPORT

Date 2/11

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5. ~~Division~~
6. ~~Docket Control Mails and Files~~
7. 500

Note comments in report regarding:

1.

2.

3.

4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Robert P. Adams

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1957 Date of exam: June 25, 1957

Operator: William Mulcahy, P. O. Box 21, Butte, Montana

Mine name: Summit

County and State: Jefferson County, Montana

Docket number and commodity: DMEA-1877 (lead)

Contract number: Idm-E155

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 11 1957

DATE	INITIALS	CODE
7/11	P	220
12	Corr	100
7/15	~~[illegible]~~	5 20.

The status of the contract remains the same as reported for the period of January 1 to June 30, 1957.

Mr. Mulcahy was contacted by phone on June 24. He stated that there had been no production from the mine. The mine was visited on June 25. The only signs of activity since the last visit consisted of road building and an attempt to keep the portal open.

The owner stated that the Uranium Corporation of America's lease has expired and that they expect to renew the lease.

Signed: George T. Krempasky (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

155

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1956 Date of exam: June 17, 1956

Operator: William Mulcahy, P. O. Box 21, Butte, Montana

Mine name: Summit

County and State: Jefferson County, Montana

Docket number and commodity: DMEA-1877 (lead)

Contract number: Idm-E155

Date of contract: September 19, 1951

Date of certification: December 7, 1953

Expiration date of royalty payments: September 19, 1961

Total amount of contract: $5,092.30

Total expenditures under contract: $4,916.75

Amount of Government participation at 50%: $2,458.38

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

Percent Government participation repaid: none

Royalty due on production to date: none

Royalty remarks: none

Original estimate of reserves (from final Engr.-Geol. report):	No reserves can be computed because of the very limited exposure of the galena vein.
Increase or decrease of reserves by work performed subsequent to original and last Field Team estimates:	none
Revised estimate of reserves:	none
Production this period:	none
Amount of previous production (since date of contract):	none
Total DMEA production to date:	none
Percent of revised reserves mined:	none

Production remarks:

The mine was visited June 17, 1956, accompanied by Mr. Mulcahy. He stated that there has been no production from the mine during the reporting period. The A.S. & R. Co. smelter at East Helena has no record of any shipments of ore from the property during the reporting period. There was up to one foot of caved material on the track in the drift and it appeared that there had been no recent activity at the mine.

Other remarks:

Mr. Mulcahy stated that he plans to lease the mine to Uranium Corporation of America, 525 Failing Building, Portland 4, Oregon, in the near future.

Signed: Eldon C. Pattee (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

RECEIVED
JAN 9 1956

Period: July 1, 1955 to December 31, 1955

Docket No.: DMEA-1877
Contract No.: Idm-E155

Operator: William Mulcahy, P. O. Box 21, Butte, Montana

Commodity: Lead

Mine name: Summit

County: Jefferson
State: Montana

Date of contract: September 19, 1951

Date of certification: December 7, 1953

Expiration date of royalty payments: September 19, 1961

Date of examination for this report: December 24, 1955

Total amount of contract: $5,092.30

Total expenditures under contract: $4,916.75

Amount of Government participation at 50%: $2,458.38

Royalty payments this period: none

Previous royalty payments: none

Total royalty payments to date: none

% Loan repayment completed: none

Amount of royalty due: none

Royalty remarks: Royalty audit by C. E. Fisher, dated August 5, 1955

Original estimate of reserves
(from final Engr.-Geol. report): "No reserves can be computed because of the very limited exposure of the galena vein."

Increase (or decrease) of reserves by work performed subsequent to expiration or termination of the contract: none

Revised estimate of reserves:

Production this period (ore or concentrates): none

Amount of previous production (since date of contract): none

Total DMEA production to date: none

% of revised reserves mined:

Production remarks:

Mr. Mulcahy was interviewed December 24, 1955. He stated that there had been no production from the mine during the reporting period.

The mine was inaccessible at the time of this inspection because of deep snow.

Other remarks: (Investments, etc.)

Mr. Mulcahy is maintaining the adit by assessment work to make it available for inspection.

Signed: Eldon C. Pattee (Engr.)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

RECEIVED
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1955 to June 30, 1955

Docket No. DMEA 1877 (lead) Contract No. Idm-E155

Operator: William Mulcahy
112½ E. Broadway
Butte, Montana

Name of mine: Summit mine

County: Jefferson State: Montana

Date certified: December 7, 1953 Date of last inspection: June 17, 1955

Contract amount: $5,092.30 Inspection engineer: G. A. Apell

Amount spent: $4,916.75 Government participation: $2,458.38

Amount repaid to date: none

Reserves: None.

Remarks: When interviewed on June 17, 1955, Mr. William Mulcahy stated there has been no production from the Summit mine for many years and none is anticipated because of low metal prices and transportation difficulties. The road to the mine ends 1-1/4 miles from the adit portal; the rest of the distance is over a one-horse Forest Service trail. All work at the Summit mine has been done by hand methods; any other method would require construction of a road to bring in equipment and supplies and to haul out the ore.

Road [illegible] 1952

There is an estimated 6 tons of ore on the dump averaging about 12% Pb, 8 oz. Ag and $5.50 in Au.

Mr. Mulcahy is maintaining the adit by assessment work to make it available for inspection. There is no deal in prospect at present.

Distribution:
DMEA (4)
USGS (2)
USBM (2)
USBM (AD)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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FEB 3 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1954 to December 31, 1954

Docket No. DMEA 1877 (lead) Contract Idm-E155

Operator: William Mulcahy
112½ E. Broadway
Butte, Montana

Name of mine: Summit mine

County: Jefferson State: Montana

Date certified: Dec. 7, 1953 Date of last inspection: See "Remarks".

Contract amount: $5,092.30

Amount spent: $4,916.75 Government participation: $2,458.38

Amount repaid to date: none

Reserves: None. See "Remarks".

Remarks: This property has not produced in recent years.

The deposit is considered marginal. The galena vein is not sufficiently exposed to compute reserves.

When the caved adit was rehabilitated and reopened a vein of disseminated galena and sphalerite replacing quartz monzonite was found. The old drift, which was driven on a vein containing quartz, pyrite, and arsenopyrite, crossed the galena. The galena vein was found to be as much as 5½ feet wide, assaying 3.8 percent lead and 1.9 percent zinc, with minor amounts of gold, copper, tin and germanium.

Distribution:
DMEA, Wash. (4)
USGS (2)
USBM (2)
Certifying Officer

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

S. 157 Howard Street
Spokane 4, Washington

February 9, 1954

Mr. George E. Melfridge, Chairman
Executive Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Semi-Annual Report of
Certified Projects, Region II

Dear Mr. Melfridge:

In accordance with instructions given in DMEA Circular 32, we are enclosing our Semi-Annual Report on Certified Projects as of December 31, 1953.

Sincerely yours,

Thor . Hildegard
for: A. W. Eisenhorn
Executive Officer, DMEA
Field Team, Region II

SEMI-ANNUAL REPORT

STATEMENT OF CERTIFIED PROJECTS, REGION II
PRODUCTION TO WHICH DMEA ROYALTIES ARE APPLICABLE
JULY 1, 1953, THROUGH DECEMBER 31, 1953

Docket No. DMEA-	Name of Property	Contract No. Idm-	Commodity	In Production	Amount Produced 7-1-53 to 12/31/53	Amount Produced Total to 12/31/53	Royalties Paid 7/1/53 to 12/31/53	Royalties Paid to Date	Has Operator Transferred Property
Idaho									
1959	Gardner & Vance (Hoodoo)	E223	pb-zn	No					No
1/ ~~1946~~ 1550	Mahob Silver-Lead Mng. Co.	E184	pb-zn	Yes	243.1505 T Cons.	759.8195 T Cons.	$ 479.87	$ 2,701.85	No
652	South Mtn. Mng. Co.	E177	pb-zn	Yes	917.3475 T	1241.4465 T	651.13	966.27	No
Montana									
129	Bennett Mining Co.	[illegible]	pb-zn	No					No
1877	Mulcahy, William	E155	pb	No					No
2260	Pohl-Hogan (January Mine)	E246	pb-zn-cu	Yes	461.7585 T	1156.478 T	1,286.27	2,738.75	No
Washington									
1166	Amer. Zinc, Lead & Smelt. Co. (Grandview)	E76	pb-zn	No					No
2166	Hartbauer, C. V. & H. C. (Farmer)	E208	pb-zn	No					No
432	Mines Management, Inc.	E1	pb-zn	No		25.561 T		85.10	No

1/ No formal certification of discovery or development issued; Government's right to percentage royalty preserved by language included in Mutual termination agreement dated September 17, 1953.

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.

Wash

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Jul, Aug, Sept., 1953 Docket No. DMEA 1877-X Contract No. Idm-E155

Operator's Name William Mulcahy Minerals Lead

Address 112½ East Broadway, Butte, Montana

Contract Amount, $ 5,092.30 Government Participation: 50 % Amount, $ 2,546.15

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:						
~~Drifting~~ Drift Rehabilitate	None	2,620.00	2,620.00	.04	2619.96	2620.00
Caved ~~Bulldozing~~ Drift Rehabilitate	None	942.50	942.50			
Crosscutting	179.00	100.00	279.00	150.00	100.00	250.00
Drifting	250.00	None	250.00			
				2454		
(2) Labor and Supervision:						
Labor Hauling Rails	None	97.00	97.00			Amount Paid
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	None	21.10	21.10			
Grinder ~~Pick~~ Hand Steel &	40.79	None	40.79			
Track	None	90.00	90.00			
Carbide	None	6.15	6.15			
Gas & oil	10.51	55.20	65.71			
(4) Operating Equipment:						
2 mo. Rental mine car	8.00	14.71	22.71			
Purchase Small Tools	None	390.82	390.82			
2 mo. Depreciation Chev. Truck	63.40	116.57	179.97			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	None	20.00	20.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Salvage				80.00		
TOTALS	$ 551.70	$ 4,474.05	$ 5,025.75	442.74	4474.01	4916.75

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

Date Sept. 11, '53 *Payee William Mulcahy
William Mulcahy

Per _____ Title Owner

*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:

$ 221.38

Signature _____ (Authorized Certifying Officer)

Date 1/26/54 Vou. No. 1061 (See other side)

Final payment as per Mr. Turner's audit released 1/25/54

(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. Idm-E155 in accordance with the terms of the contract.

Signature John S. McNabb Jr. Title Mining Engineer Date Sept. 11, 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E. Howard Title Mining Engr Date 9/17/53

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 Jul., Aug., Sept. 1953 Docket No. DMEA 1877-X Contract No. ICn-155
Operator's Name William Mulcahy Minerals Lead
Address 112½ East Broadway, Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Foot	320.00	8	320.00	8	40.00		
Crosscutting	Foot	180.40	6	280.40	10	28.04		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Drift Rehabilitate	Foot	None	None	3,562.50	745.5			
TOTAL DISTRIBUTED COSTS & supplies				4,162.90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		51.30		842.85				
Initial Rehabilitation and Repairs		None						
New Buildings, Improvements, etc.		None		20.00				
TOTAL COSTS		551.70		5,025.75				

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

Date Sept. 11, 1953 Operator William Mulcahy

Per _____ Title Owner

REMARKS: Work under Contract Icn-155 is now completed.

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

WILLIAM MULCAHY PROPERTY

Contract Idm-E155

NARRATIVE FOR JULY, AUGUST, & SEPTEMBER, 1953

When I quit working last fall, I had learned the following three facts about the property: 1. A vein of significant interest had been intersected in the tunnel. 2. The vein matter was unusually hard and abrasive. 3. Ventilation in the tunnel at the site of the vein intersection was very poor. In fact it took days to get all the gas out after a small blast. The discovery of the vein in the tunnel necessitated additional exploration. I purchased new hand steel, had it sharpened and tempered by some of the best blacksmiths available; but it just would not hold its edge or gauge. I then ordered a set of hand steel with carbide inserts, which proved quite satisfactory.

I knew that there was no cheap solution to the ventilation problem, so decided to make the best of it for the remainder of the work under the DMEA Contract. I tried to contract the crosscutting and drifting on the vein, and took several miners to see it, but none would take the contract because of the poor ventilation. Consequently I had a large turnover of miners assisting me.

All the wages I paid included board and room, and estimate that this item cost me $2.50 to $3.00 per day, although I did not charge it to the DMEA project.

I blasted and cut ice in the tunnel on June 13, 14, and 21. On July 2 Kenneth Bell and Harry Godfrey assisted me in cleaning the tunnel and repairing a small cave. Bell quit the second day. Godfrey and I stayed on, and when John McNabb and George Becraft visited the mine on July 5, we had about two tons of shipping ore one the dump. The tunnel is too narrow for our mine car so we had to take the ore in a wheelbarrow for about 400 feet and then transfer it to the mine car to take it outside.

Mr. McNabb and Mr. Becraft were impressed with our vein showing in the tunnel, and subsequently reccommended an amendment to the contract permitting us to use the remainder of the DMEA funds to drift on the vein.

On August 7 Bruce Owen and I went to work again and got out some ore. He tired of the work in a short while however, and I took him back to Butte. On August 19 I took Owen with me again and we got out some more ore and advanced the crosscut 6 feet. Messrs McNabb and Becraft made another official visit on August 28. At that time we had completed the work to their satisfaction. We had a 5 foot

WILLIAM MULCAHY PROPERTY

NARRATIVE (cont.)

vein with a good showing of lead and zinc, but we had not yet cut the footwall. Owen and I came in on August 30. Carl Larson and I went to work on Sept. 6 and found the footwall on the 7th. The vein is now about 5½ feet wide and still continuing, and it looks good. I took a sample of some of the poorer ore or mill feed and it assayed 0.22 gold, 6.1 oz. silver, and 7.5 % lead. I have other assays coming. 11

I tried to find out if there were any mine to market funds left to build roads. The Forest Service will make a survey of a road to the mine. Messrs McNabb, Becraft, and myself all feel that the next phase of work at the property must include road-building. I would like to hear from you as to what you might suggest I do.

I thank all of you for your cooperation, and especially Mr. McNabb and Mr. Becraft.

William Mulcahy

William Mulcahy

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

RECEIVED

1201 N. Division St.
Spokane 2, Washington
September 11, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: John S. McNabb, Mining Engineer, Bureau of Mines

Subject: Routine inspection of the Mulcahy Lead Mine, Jefferson County, Montana, Contract No. Idm-E155, Docket No. DMEA 1877 (lead)

A routine inspection of the Mulcahy lead mine was made on August 28, 1953, in the company of George F. Becraft, geologist, U. S. Geological Survey, and William Mulcahy, owner.

The property was last inspected on July 5, 1953, at which time it was deemed advisable to amend the DMEA contract to allow drifting and crosscutting on the Mulcahy vein. Approximately $600.00 remained in the contract funds to investigate the interesting vein exposure in the drift and in the North crosscut. However, it was imperative that as much as possible be learned as to the width, grade and persistence of the vein.

The Mulcahy mine is located in a remote area and can be reached only by climbing on foot for about 1-1/2 miles after leaving the jeep road. Because of this condition all work at the property must be done without the assistance of air or electric power.

Mr. Mulcahy succeeded in driving with hand steel 8 feet of drift and 6 feet of crosscut during the period prior to our inspection of August 28, 1953. Examination at this time revealed that the vein exposure in the drift to the southwest was approximately 5 feet wide and quite rich in galena and sphalerite. The footwall of the vein had not been exposed. Mr. Mulcahy has since informed me that additional work performed during the first few days of September revealed that the vein was 5-1/2 feet wide in the southwest drift exposure.

The vein as exposed in the North crosscut, approximately 55 feet northeast of the drift exposure, is not clearly delineated nor highly mineralized. However, sulfides are present, and Mr. Mulcahy was advised that the area would warrant additional testing if the mine were to ever be explored at a future date.

Mineralization as evidenced in the two present exposures of the Mulcahy vein is unique in that the sulfides have replaced the silica in the granite, apparently leaving the feldspars and mica intact. Tourmaline is also present in the vein material.

Funds available in Contract No. Idm-E155 are now depleted. The following work was performed at an approximate cost of $5,025.00:

Drift rehabilitation	745.5 feet
Drifting	8.0 feet
Crosscutting	10.0 feet

All work was accomplished under trying conditions by manpower alone. It is believed that Mr. Mulcahy's performance under Contract Idm-E155 has been most commendable. Inaccessibility of the property, poor ventilation in the mine, heavy caves in the tunnel, severe weather conditions, difficulty in obtaining miners, and the lack of power at the mine combined to make the exploration project an arduous task.

Although the DMEA program has been completed, the Mulcahy mine will have to be further explored to determine its economic potential. Mr. Mulcahy was advised that his next phase of operations must include the installation of an access road to the mine and the subsequent use of a compressor and air-powered tools. Mechanization of the Mulcahy mine would necessitate the enlarging and grading of the tunnel, the re-laying of all track, and the installation of a ventilation fan and fan bag.

Above the vein exposure in the mine there is at least 250 feet of back. Additional exploration should consist of drifting on the vein, possibly in conjunction with a modest diamond drilling program. Mr. Mulcahy realizes that his property is still in the preliminary stage of exploration. If possible he will obtain private capital for additional exploration.

John S. McNabb

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
JSM/he

213

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
July 15, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: John S. McNabb, Mining Engineer, Bureau of Mines

Subject: Routine inspection of the Mulcahy Lead Property, Jefferson County, Montana, Contract No. Idm-E155, Docket No. DMEA 1877 (lead)

A routine inspection of the Mulcahy Lead property was made on July 5, 1953, in the company of George F. Becraft, geologist, U. S. Geological Survey, and William Mulcahy, owner.

Work under contract Idm-E155 had been suspended during the winter and spring months of the past year due to inclement weather. Mr. Mulcahy was able to gain access to the property during the latter part of June.

The operator spent four days cleaning the drift at his own expense. Two short crosscut rounds were shot on the Mulcahy vein (see sketch map) and exposed 3 feet of disseminated galena in the quartz monzonite. By exposing the vein in the drift and in a short crosscut 55 feet to the northeast, it was possible to obtain a fairly accurate strike and dip on the mineralized structure. The strike of the vein is approximately N. 55° E, and the dip 75° NW.

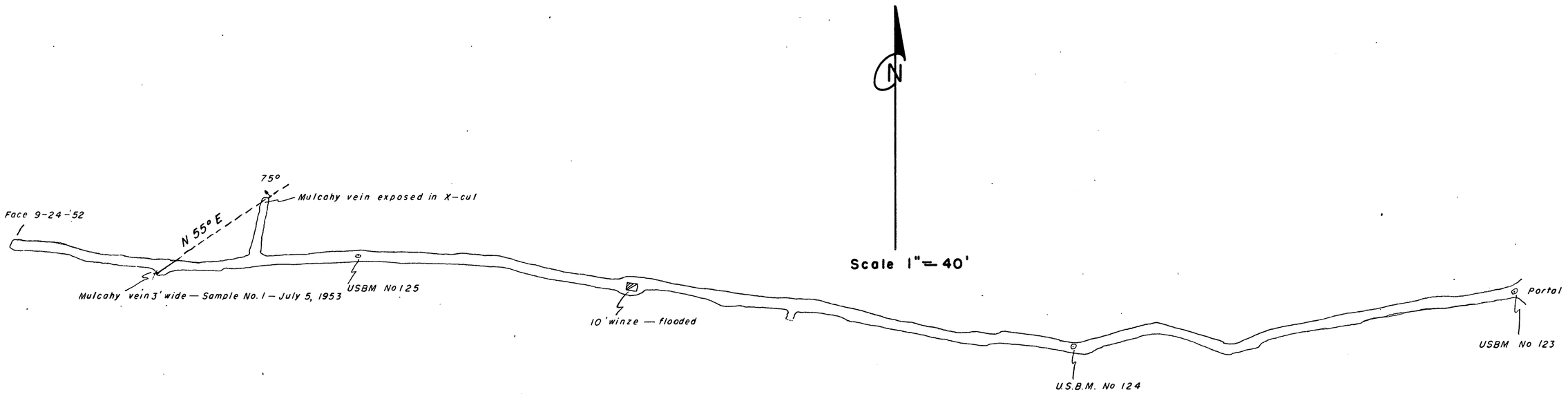
In order that Mr. Mulcahy may drift to the southwest from the drift exposure and northeast from the crosscut exposure, the contract has been amended to allow for approximately 12 feet of drifting. This work will reveal a great deal as to the local width, grade, and persistence of the vein. Upon completion of this project, funds available for contract Idm-E155 will be depleted. Mr. Mulcahy and another miner will drive the subject 4' x 6' heading with hand steel. The remoteness and inaccessibility of the property cause all work to be done by hand under present conditions.

A sample of the vein material exposed in the drift was taken and will be assayed in Albany, Oregon, for Pb, Ag, Au, Zn, Ge, Sn, and Cu.

John S. McNabb

U.S. Department of the Interior

Defense Minerals Exploration Administration



Map by J. S. Mc Nabb — July 14, 1953

MULCAHY LEAD — SUMMIT MINE — T4N - R5W - Section 21 — JEFFERSON COUNTY, MONTANA.

Docket No. 1827 Pb - Contract-Idm. E — 155

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

913

July 6, 1953

Memorandum

To: DMEA Field Team, Region II

From: George E. Becraft, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-1877 (Lead), Routine Inspection, William Mulcahy, Jefferson County, Montana

A routine inspection of this property was made on July 5, 1953, with John S. McNabb, Mining Engineer, Bureau of Mines, and William Muleahy, Operator.

The Operator had worked four days cleaning the drift and had taken out two rounds, crosscutting the vein of disseminated galena in quartz monzonite south of the drift and had taken out one round in the end of a short crosscut extending to the north of the drift about 40 feet east of this point exposing the vein (see attached sketch map showing galena vein). As the result of this work, the attitude of the vein was determined to be N. 57° E., 75° NW. The vein appears to have a consistent grade through 3 feet in width and extends 55 feet from the south of the drift to the end of the short crosscut and for an unknown distance to the northeast and southwest.

The sulfides in the vein consist predominantly of fine-grained to crystalline galena and pyrite and small amounts of sphalerite. The sulfides appear to have almost completely replaced quartz, the mafic minerals, and one feldspar (probably plagioclase) of the quartz monzonite and have left the other feldspar (probably orthoclase) relatively unaltered.

Samples of the ore for assay were taken by John McNabb.

The inaccessibility of the property makes exploration of this vein difficult because the drilling of the rock for blasting must be done by single jacking, and the character of the vein makes it very hard to drill.

An amendment extending the time of the contract 2 months and to permit the funds remaining in the contract (about $600) to

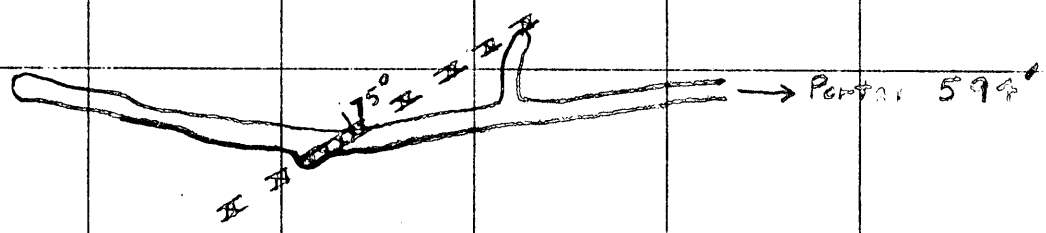
be used for drifting along the vein was discussed with the Operator. McNabb plans to draft the amendment for the Field Team's approval.

It is very unfortunate that the property is not more accessible because more work should be done on the vein if the grade is as good as it is estimated to be and this work, of course, would be greatly facilitated if a compressor could be taken to the property.

Enclosure1

Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Becraft

DMEA Docket No. 1817



N

Mulcahy Property
Jefferson County, Montana

Trace of disseminated pitchblende in quartz monzonite

"ALDANENE" No. 1050M HALCO., N.Y.
REG. U.S. PAT. OFF.

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

[illegible] Street
[illegible], [illegible]

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 1952

[illegible] 17, 1952

[illegible]

To: [illegible], Acting Director, [illegible], [illegible], [illegible]

From: [illegible], Geologist, U. S. Geological Survey

Subject: Inspection, Project [illegible] 1777, Lead, [illegible] 155, William [illegible], [illegible] County, Montana

The [illegible] property was visited on August 4, 1952 accompanied by [illegible], U. S. Geological Survey. [illegible] the adit.

The work done on this relatively inaccessible property was quite good for the purpose intended.

The first vein was intersected at about 220 feet. This vein consisted of several inch gray quartz stringers and was [illegible] feet wide but averaged less than four to six inches. The vein and altered quartz monzonite wall rock was heavily sheared and brecciated. [illegible] was followed for about 110 feet and then passed into the north wall. The drift was continued around the head, and at about 110 feet a vein comprised of finely crystalline pyrite and arsenopyrite in gray quartz about one foot wide was intersected on the south wall. This vein was followed to the face at about 72½ feet. [illegible] width varies a few inches to three feet in width. [illegible] a crescent to the north about [illegible] feet long. Near the [illegible] crescent was a small heart of the same vein material [illegible]. The wall rock of the adit and crescent is intensely silicified quartz monzonite carrying pyrite. Mineralized and in stringers.

Near 66 feet there is a small vein to the north [illegible] mineralized pyrite in the altered wall rock.

Throughout the entire adit there is much fracturing and brecciation in the altered wall rock.

The adit did not permit adequate sampling; therefore, [illegible] with John [illegible], U. S. Bureau of Mines, to conduct additional sampling at a later date. Of a [illegible] the property [illegible]. [illegible] the wall rock which [illegible]

the [illegible] zones. [illegible] the possibility, if any exists in the contract, of [illegible] through the [illegible] zone to determine its extent will be determined.

A final report will be submitted after the results of this setting are determined.

George S. Barrett

cc: [illegible](4)
[illegible](2)
Barrett

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 August, 1952 Docket No. DMEA 1877-X Contract No. Idm-E 155

Operator's Name William Mulcahy Minerals Lead

Address 112½ E. Broadway, Butte, Montana

Contract Amount, $ 5,092.30 Government Participation: 50 % Amount, $ 2,546.15

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:						[redacted] Keating Betty J
Drilling						
Bulldozing						
Crosscutting	$100.00	None	$ 100.00			
Drifting Rehabilitation	262.50	2,357.50	2,620.00			
Caved Drift	None	942.50	942.50			
(2) Labor and Supervision:						
Labor Hauling Rails	None	97.00	97.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	None	21.10	21.10			
Pipe						
Track	None	90.00	90.00			
Carbide	None	6.15	6.15			
Gas & Oil	None	55.20	55.20			
(4) Operating Equipment:						
Rental Mine Car	None	14.71	14.71			
Purchase Small Tools	None	390.82	390.82			
Depreciation Chev. Truck	None	116.57	116.57			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.	None	20.00	20.00			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$362.50	$4,111.55	$4,474.05			

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

Date Dec. 8, 1952 *Payee William Mulcahy
William Mulcahy

Per _____ Title Owner

*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:

$181.25

Signature _____ (Authorized Certifying Officer)

Date 12/19/52 Vou. No. _____ (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. Idm-E 155 in accordance with the terms of the contract.

Signature John S. McNabb Jr. Title Mining Engineer Date Dec. 8, 1952

John S. McNabb Jr.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E. Howard Title Min. Engr. Date 12/8/52

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.

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 August 1952 Docket No. DMEA 1877-X Contract No. Idm-E 155

Operator's Name William Mulcahy Minerals Lead

Address 112½ E. Broadway, Butte, Montana

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 Rehabilitation	Foot	$262.50	175	$3,562.50	745.5			
Crosscutting	Foot	100.00	4	100.00	4	$25.00	10	$25.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		$362.50		$3,662.50				
& supplies								
* Operating Equipment Purchased		None		791.55				
Initial Rehabilitation and Repairs		None						
New Buildings, Improvements, etc.		None		20.00				
TOTAL COSTS		$362.50		$4,474.05				$5,092.30

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

Date Dec. 8, 1952 Operator William Mulcahy
William Mulcahy

Per _____ Title Owner

REMARKS: Last 175 feet of drift rehabilitation covered by Amendment No. 2. Maximum unit price of $1.50/ foot authorized for this work. Crosscutting authorized in Amendment No. 2 at maximum unit price of $25.00/ foot.

→ 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

William Mulcahy Property

Contract Idm-X 155

Narrative for August, 1952

Drift rehabilitation under Amendment No. "2" was completed. One hundred and seventy-five feet of drift was cleaned and timbered where necessary. At a point 685 feet from the portal of the tunnel some galena was found. A crosscut was started to the south at this point and driven for four feet. A vein approximately 4 feet wide was intersected. One foot of the vein against the hanging wall showed good galena ore. The vein has a southwest strike and dips to the north. I suspended operations at the end of August, 1952 because of a fire hazard in the National Forest. This fire hazard prevailed until the first major snowfall on Nov. 15, 1952. I visited the property at this time and the snow was 15" deep. I decided that my only alternative was to suspend operations for the winter.

Closed for the winter

William Mulcahy
William Mulcahy
Owner

[illegible] Hickey [illegible]

[illegible] Iowa

[illegible] August, 1920

[illegible] Commissioner [illegible] was delighted [illegible] and [illegible] of [illegible] was [illegible] [illegible] [illegible]

Form MF 104 (Rev.)
(April 1952)

Weeks

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Corbett
Betty

DEPARTMENT OF THE INTERIOR
Budget Bureau No. 42-R1098.3
Approval expires 6-30-53.
RECEIVED
OCT 1 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May 26 - Aug. 3, 1952 Docket No. DMEA 1877-X Contract No. Idm-E 155
Operator's Name William Mulcahy Minerals Lead
Address 112½ E. Broadway, Butte, Montana
Contract Amount, $5,092.30 Government Participation: 50 % Amount, $2,546.15

ITEMS OF COSTS	FOR OPERATOR'S USE: Period ~~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 Contracts: ~~Short Form~~						
Drilling						
Bulldozing						
Crosscutting						
Drifting Rehabilitation	$2357.50	-	$2,357.50	2357.46	✓	2,357.46
Cave Drift "	384.00	558.50	942.50	✓	✓	✓
(2) Labor and Supervision:						
Labor Hauling rails	None	97.00	97.00		✓	✓
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	21.10	None	21.10	✓	✓	✓
Pipe						
Track	None	90.00	90.00		✓	✓
Carbide	3.15	3.00	6.15	✓	✓	✓
Gas & Oil	31.20	24.00	55.20	✓	✓	✓
(4) Operating Equipment:						
Rental Mine Car	4.00	10.71	14.71	✓	✓	✓
Purchase	32.07	358.75	390.82	✓	✓	✓
Depreciation Chev. Truck	31.70	84.87	116.57	✓	✓	✓
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc. (stove, windows, & bed)	None	20.00	20.00		✓	✓
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$2,864.72	$1,246.83	$4,111.55	2864.68	1246.83	4111.51

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

Date Aug. 19, 1952 Payee William Mulcahy
William Mulcahy
Per _____ Title Owner

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

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

(Instructions on reverse)

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

$ 1,432.36

Signature _____
(Authorized Certifying Officer)

Date 9-29-52 Vou. No. _____
(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. Idm-E155 in accordance with the terms of the contract.

Signature John J. McNabb Jr. Title Mining Engineer Date Aug. 20, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E. Howard Title Mining Engr Date 8/22/52

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 26-Aug 3, 1952 Docket No. DMEA 1877-X Contract No. Idm-E 155

Operator's Name William Mulcahy Minerals Lead

Address 112½ E. Broadway, Butte, Montana

OPERATION	UNIT	COSTS THIS MONTH Period	UNITS THIS MONTH Period	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting Rehabilitation	Foot	$2357.50	471.5	$ 2,357.50	471.5	$ 5.00	471.5	$ 5.00
Cave Drift "	Foot	384.00	48.	942.50	99.0	8.00	99.0	8.00
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$2,741.50	519.5	$ 3,300.00	570.5			TOTAL COSTS AUTHORIZED BY CONTRACT
* Operating Equipment & supplies Purchased		$ 123.22		$ 791.55				
Initial Rehabilitation and Repairs		None		None				
New Buildings, Improvements, etc.		None		$ 20.00				
TOTAL COSTS		$2,864.72		$ 4,111.55				$ 5,092.30

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

Date Aug. 19, 1952 Operator William Mulcahy
William Mulcahy

Per Title Owner

→ 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)

REMARKS: * Includes purchases of New equipment, supplies, materials & all other items shown under Nos. (2), (3), & (4), on Form M F - 104

(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".

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U. S. GOVERNMENT PRINTING OFFICE 205676

PAYROLL PERIOD May 26 to August 3,1952, Inclusive

WILLIAM MULCAHY PROPERTY Contract No. Idm - E 155

All work was on contract Amendment No. 1 Exhibit "B" and contract form enclosed.

- - - - - - - - - - -

William Mulcahy	63.5'	@	$5.00	per foot	.....	$317.50
" "	44.0'	@	½ 5.00	" "	.....	110.00
" "	364.0'	@	1/3 5.00	" "	.....	606.66
" "	26.0'	@	1/2 8.00	" "	.....	104.00
" "	22.0'	@	1/3 8.00	" "	.....	58.66
					Total---	$1,196.82
Carl Larson (1)	24'	@	1/2 $5.00	per foot	.....	$ 60.00
" "	364'	@	1/3 5.00	" "	.....	606.66
" "	22'	@	1/3 8.00	" "	.....	58.66
" "	26'	@	1/2 8.00	" "	.....	104.00
					Total ---	$ 829.32
Percy S. Dodge (2)	20'	@	1/2 $5.00	per foot	.....	$ 50.00
" " "	364'	@	1/3 5.00	" "	.....	606.66
" " "	22'	@	1/3 8.00	" "	.....	58.66
					Total ---	$ 715.32
					Grand Total	$2741.46

(1) Carl Larson was off on account of sickness

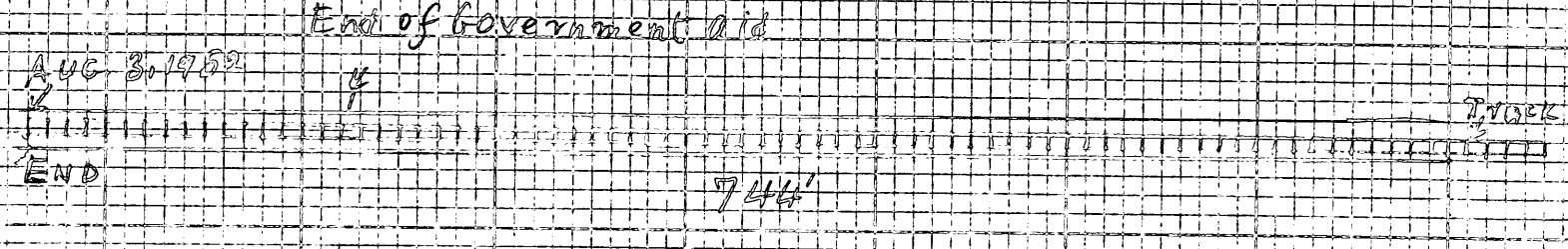
(2) Percy S. Dodge was off on business

No taxes of any kind were withheld. I shall report the earnings to the Bureau of Internal Revenue.

William Mulcahy
Operator-Owner.

Form No. 642—10 Squares to Inch
AMERICAN PAD & PAPER CO., HOLYOKE, MASS.

Map 16pu-E155 July - August 1952



Scale 1" = 100'

WILLIAM MULCAHY PROPERTY Idm-E 155

Narrative July-August,1952

- - - - - -

The contract of rehabilitation of the adit is complete and has been accepted as such by John S. McNabb, Project Engineer, when he visited the property on August 7,1952.

During the period 586' was rehabilitated,-that brought us to the end of the adit. We had 48' of solid cave. One cave on a fault was very wet and we had to drive spiling. Another trouble we had was the drift was too narrow for the mine car, and it had to be drilled and blasted. That plan was too slow so we got a wheelbarrow and a ramp and finished the job.

At a point 435' from the portal of the adit we discovered a winze - it was full of water down to 10' and wood and rock to about 15', which I believe was the bottom. We cleaned it down for 10'. The vein was 3.5' wide in quartz, arseno-pyrite and some specks of galena. We quit because it was tough going; also, there was no provision in the contract for cleaning winzes.

At my own expense I rehabilitated 173.5' of the adit,or from 570.5' to 744'. The contract called for $3300.00 for wages and that was spent at 570.5'. However, I hope to be repaid from the unused funds.

The walls and back of the adit are covered with slimes, concealing the vein. We cleaned the face and it showed galena and arseno-pyrite.

William Mulcahy

STANDARD FORM NO. 64

Office Memorandum UNITED STATES GOVERNMENT

Butte, Montana

TO : W. Rulon Lee

DATE: Aug. 20, 1952

FROM : John S. McNabb Jr.

SUBJECT: Contract Idm-E 155, Report for period May 26-Aug. 3, 1952.

I visited the Mulcahy Lead Property on Aug. 7, 1952 and found that the work as outlined in the Contract had been completed.

I advised and assisted Mr. Mulcahy in making out the attached monthly report and voucher, and feel it is correct. You will note that items deleted in last month's voucher are being reclaimed with enclosed invoices and payrolls to substantiate them.

The $3300 allowed for labor and supervision has not been exceeded, and at no time did the price per foot of advance exceed $8.00 for labor and supervision.

John S. McNabb Jr.

John S. McNabb Jr.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

Butte, Montana

TO : M. E. Volin, Member, DMEA Field Team, Region II DATE: Aug. 12, 1952

FROM : John S. McNabb, Mining Engineer, Bureau of Mines

SUBJECT: Routine inspection of the Mulcahy Lead Property, Idm-E 255, Jefferson County, Montana. Docket No. DMEA 1877 (lead)

An inspection of the Mulcahy Lead Property was made on Aug. 7, 1952 in the company of Mr. William Mulcahy, owner.

According to Mr. Mulcahy work was completed at the project on August 3, 1952. At the time of my inspection a Brunton survey was made of the adit and the quality of the work done in rehabilitating the caved tunnel was checked.

Although it was originally estimated that the caved tunnel was in approximately 400 feet, the work just completed shows that the distance from the portal to the face of the tunnel measures 744.2 feet. Mr. Mulcahy employed two men besides himself during the month of July and for the 3 days in August. During this period an advance of 586.2 feet was made in the caved tunnel. Mr. Mulcahy succeeded in opening 744.2 feet of caved tunnel at a cost that does not exceed that provided in the contract for an estimated 400 feet of work.

Of course the entire tunnel was not in a caved state. Nevertheless I believe that Mr. Mulcahy has done a commendable job at a relatively inaccessible prospect where the only available equipment has been hand tools that had to be carried for approximately one mile up a mountain trail.

The work done in the tunnel is quite satisfactory for the purpose intended. Caved areas and heavy sections of the adit have been timbered and stulled, and the tunnel is now quite safe to enter. Some additional work would have to be done if the tunnel were to be used for a main haulageway, but the present work is quite adequate for providing an access to obtain geological information.

I did not map the geology in the tunnel as I felt that the U. S. G. S. would want to handle that phase of the work. Although the vein is in evidence at various points in the tunnel, I do not feel that it is sufficiently mineralized to contain commercial ore. However, sampling and geologic mapping may indicate that the prospect is better than it appears to be from a superficial examination.

Mr. Mulcahy is awaiting a visit to the property by Mr. Klepper of the U.S.G.S. If possible, I will accompany Mr. Klepper on this inspection and will take any samples that he might feel are necessary to a proper evaluation of the property.

John S. McNabb

M. E. Volin, Member, DMEA Field Team, Region II July 22, 1952

John S. McNabb, Mining Engineer, Bureau of Mines

Routine inspection of Mulcahy Lead, Contract Idm-E155,
Jefferson County, Montana
Docket No. DMEA 1877 (lead)

The property was visited on May 23, 1952, in the company of Mr. Mulcahy, although he has not commenced spring operations. Work completed last fall by Mr. Mulcahy under the exploration contract included the opening and timbering of the caved portal to a distance of 51.0 feet, laying 45.0 feet of track in the adit and extending the track from the portal to the edge of the dump, and the cutting of a considerable supply of mine timber from the surrounding hills.

At the date of my visit to the property there were two feet of ice in the adit and a couple of carloads of muck had sloughed in, but in general the work completed last fall held up as well as could be expected. There is an additional 155 feet of drift that must be cleaned up and retimbered before the main cave is reached. It is Mr. Mulcahy's intention to obtain a miner to assist him and do the work on a contract footage basis. I advised Mr. Mulcahy to set a price of $5.00 per foot up to the cave and $8.00 per foot thereafter. This price will allow for the completion of the work and will stay within the sum allotted for labor. Mr. Mulcahy intends to commence operations on or about May 26, 1952.

Safety Violations: Mr. Mulcahy informed me that he worked alone at the property for several months last fall, and that he will follow the same procedure this year if he has any trouble hiring a miner to assist him. Although his attitude and his desire to get the job done are commendable, I felt it necessary to advise him that we would not sanction a one-man underground operation. The district is quite remote and the work involves an ever present danger from caving ground and bad air. Mr. Mulcahy agreed not to work alone in the future and I will report any violation of this agreement to you at once.

John S. McNabb

cc: Our Files (1)
USGS (2)
Wash. (2) ✓

5D

Butte, Montana
July 8, 1952

M. E. Volin, Member, DMEA Field Team, Region II

John S. McNabb, Mining Engineer, Mining Division, Region II

Routine Inspection, Contract No. Idm-E 155, Docket No. DMA 1877, Mulcahy Lead Property, Jefferson County, Montana.

The Mulcahy Lead Property, site of the exploration project, was visited on June 29, 1952, and a routine inspection and Brunton survey were made.

Work under Contract No. Idm-E 155 had been suspended for the winter and spring months due to prohibitive weather conditions. On May 26, 1952 work was resumed at the property under the DMEA contract.

The project, which calls for the rehabilitation of 400 feet of caved adit, was begun in the fall of 1951 and 51 feet of the adit was opened at that time. The work begun on May 26, 1952 represents a continuation of this project.

During the period from May 26 to June 16, Mr. Mulcahy and another miner rehabilitated 107 feet of the caved drift. This work included some close timbering and stulling, the mucking out of caved debris, and the cutting of timbers to be used in the adit. At a distance of 158 feet from the portal the main cave was encountered, and at this point the flow of water from the back and through the cave proper was quite great. Mr. Mulcahy noticed that the water was slowly subsiding from day to day and decided to take advantage of this condition by suspending operations for a few weeks in order to allow the water to subside.

At the time of my visit to the property on June 29, there was very little water flowing from the cave in the adit, and Mr. Mulcahy stated that he would resume operations on July 2, 1952.

Amendment No. 1 to Contract Nol Idm-E 155 permits Mr. Mulcahy to charge up to $8.00 per foot for the rehabilitation of the adit. I advised Mr. Mulcahy to set a contract price of $5.00 per foot up to the main cave, and to increase it to $8.00 per foot thereafter. This arrangement will permit the work to be completed, and the amount of money stipulated for labor in the contract will not be exceeded. Mr. Mulcahy intends to comply with my suggestion.

Thus far the work has proceeded at a satisfactory rate, and if Mr. Mulcahy is able to keep an assistant at the property to work with him, the project should be terminated within the time allowed under the contract.

John S. McNabb

Orig. DMEA File
cc: U. S. G. S. (2)
Washington D. C. (2)
JSM

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 155

Name of Operator WILLIAM MULCAHY
Docket No. DMA 1877-X
Total Contract Amount $ 5,092.30
Government Participation: 50 % Amount, $ 2,546.15
Distribution of Expenditures for Month of May 26 - June 30, 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 1 3 1952

CERTIFICATION

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.

THE WILLIAM MULCAHY PROPERTY
(Name of Company)

By William Mulcahy
(Signature of Authorized Official)

July 2,1952
(Date)

Owner
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities		90.00	90.00			
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	358.75		358.75			
chain saw with 2 chains						
(b) Rented[2]						
(c) Furnished by operator	35.70	71.40	107.10	24.18		
'51 Chev.Panel 31.70						
1 mine car 4.00						
35.70						
3. Rehabilitation and Repairs:						
(a) Facilities		20.00	20.00			
(b) Buildings						
(c) Installations						

NARRATIVE.

Mulcahy Lead Idm-E - 155

Work was begun at the Mulcahy Lead Property under contract No. Idm-E-155 on May 26,1952; after work had been suspended for the winter months due to adverse weather conditions.

The rehabilitation of the adit was advanced 107' during the period May 26 to June 16,1952. This work consisted of deicing the portal shich was clogged with snow and over 2' of solid ice, fifty feet of hand drilling, hammer work, and close timbering, and general rehabilitation and cleanup for fifty-seven additional feet.

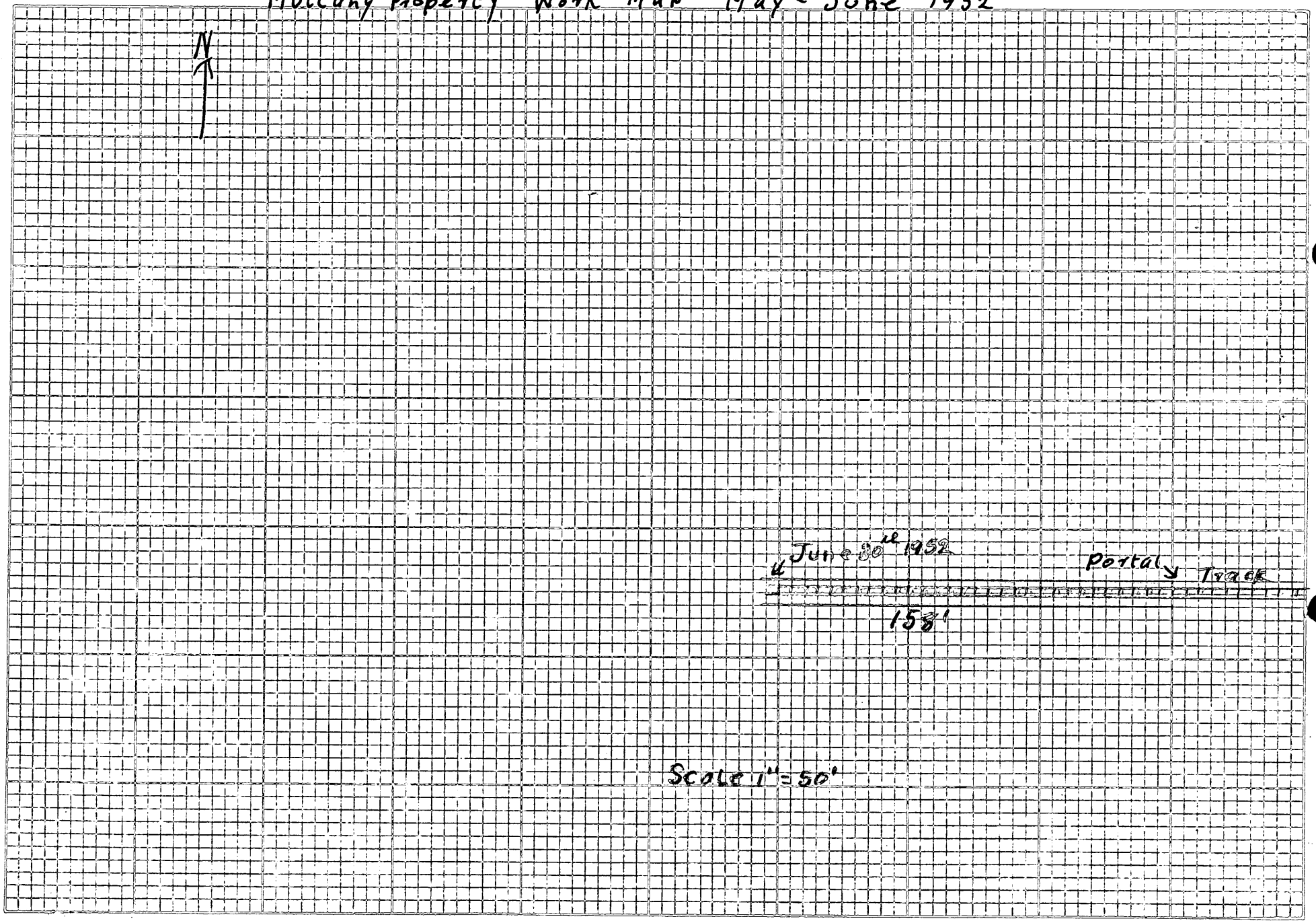
At this point the main cave was reached. A great deal of water was coming from the back and also through the cave itself. Since the flow of water appeared to be slowly subsiding, it was decided to suspend operations for a few weeks until the spring run-off had diminished and working conditions would be improved.

The property was visited on June 29, 1952 and it was noted that the flow of water had diminished considerably. It is planned that the work will be resumed on July 2,1952, with the owner, Wm. Mulcahy, and a miner to assist him carrying on the operation.

It is to be noted that the vein was intersected at a distance of 140' from the portal. The vein is 2' wide at this point, dips vertically, strikes east-west, and thus far shows no evidence of commercial mineralization.

Form No. 642—10 Squares to Inch
AMERICAN PAD & PAPER CO., HOLYOKE, MASS.

Mulcahy Property Work Map May - June 1952



MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]						
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other Gas-oil for chain saw	5.00	3.00	8.00	—o—		
7. Power						
8. Transportation (1)	12.00	24.00	36.00	—o—		
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work (2)	535.00	177.00	712.00	—o—		
11. Other (specify)						
Total	946.45					
Deletions						
Adjusted totals						
Totals previously reported		863.90				
Totals to date			1810.35	382.93	863.90	1246.83

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by [signature]
Entered by
Approved by John S. McNabb Jr.
Amount approved for payment $191.46
Remarks

16—64068-3

(1) Gas & Oil for car

(2) 107 ft. at $5.00 per foot.

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF MAY - JUNE 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	(1) Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	535.00	394.45	17.00		946.45	dollars	946.45	863.90	1810.35	$5,092.30
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	535.00	394.45	17.00		946.45	dollars	946.45	863.90	1810.35	$5,092.30

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

(1) Oil and gas for chain saw & Transportation $17.00

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 155

Name of Operator William Mulcahy
Docket No. DMA 1877 - X
Total Contract Amount $ 5,092.30
Government Participation: 50 % Amount, $ 2,546.15
Distribution of Expenditures for Month of November - December 5th

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 2 0 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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.

The William Mulcahy Property
(Name of Company)

By William Mulcahy
(Signature of Authorized Official)

December 11, 1951
(Date)

Owner
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities Rails		90.00	90.00			
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]						
(c) Furnished by operator	35.70	35.70	71.40			
'51 Chev.Panel 31.70						
1 Mine Car 4.00						
35.70						
3. Rehabilitation and Repairs:						
(a) Facilities						
Windows,stove,etc.		20.00	20.00			
(b) Buildings						
(c) Installations						

November, December 5th Narrative

During November the repairing of the adit was advanced 27'. The work was difficult and dangerous, hammer work, hand drilling and blasting, false sets stulls and spiling to hold the ground until a regular set was put in slowed the work almost to a stop. The cold weather we expected to hold the rock and clay in place never came; instead temperatures above freezing prevailed. It was so slow and hopeless my partner quit. I took him to town and stayed a week and when I got back the face of the adit was well frozen. I went to work alone and with the aid of the weather,and Percy Dodge helped me for a day timbering on a dangerous place, I went thru the main cave and at the end of the month I could see ahead for about 30 feet. I was unable to crawl in there, but it seemed like two walls and a solid back were replacing loose sand and boulders.

I intended quitting for the winter but the condition of the face of the adit was such that a few days work now would save weeks of work next year. I put in a set of timber,stulled up an old set and secured everything for the winter, and advanced the adit 3 feet, making the total length over 50 feet. I crawled thru the cave and walked and crawled about 55' and saw the vein;and walked and crawled on the vein for about 30' where a cave blocked the way. The adit was timbered to the cave . The vein seemed strong and vertical in dip. The timbers looked rotten. My feet were wet and cold. There is about 2' of water on the adit and I got out of there in a hurry.

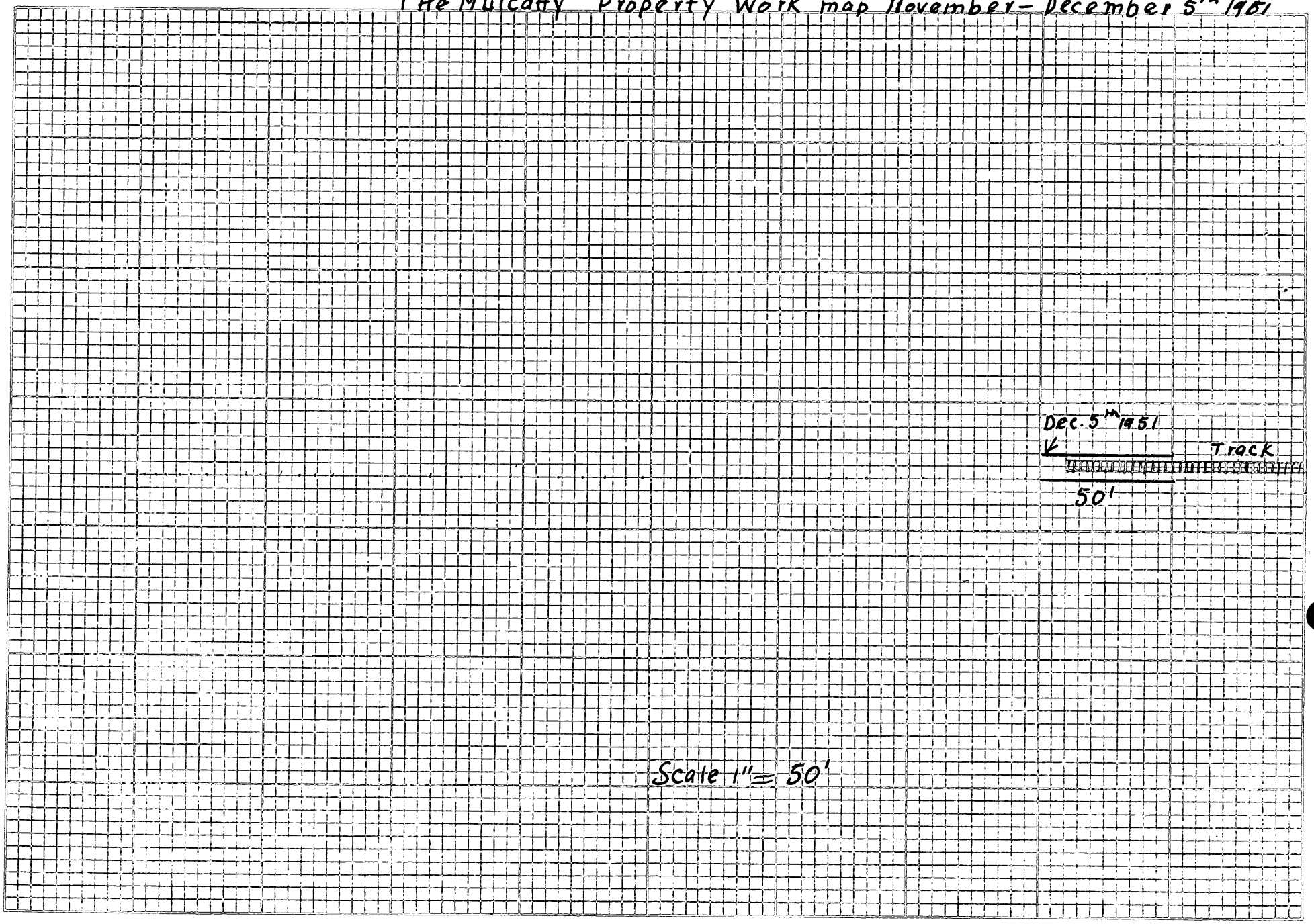
That's all for this year.

12-11-1951

William Mulcahy
WILLIAM MULCAHY

Form No. 642—10 Squares to Inch
AMERICAN PAD & PAPER CO., HOLYOKE, MASS.

The Mulcahy Property Work map November - December 5th 1951



MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]						
* 5. Supervision	333.50	145.00	478.50			
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other		3.00	3.00			
7. Power						
8. Transportation **	12.00	12.00	24.00			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work	80.00	97.00	177.00			
11. Other (specify)						
Total	461.20					
Deletions						
Adjusted totals						
Totals previously reported		402.70				
Totals to date			863.90			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Eric G. Erickson
Amount approved for payment
Remarks

16—64068-3

* Working Foreman
** Gas and Oil for Car

Payroll
Wm. Mulcahy 23 days @ 14.50 $333.50
Wm. Sutton, contract labor 20' @ 1/2 ($8.00/ft.) $ 80.00

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF November - December 5th,1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	(*) Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	413.50	35.70		12.00	461.20	dollars	461.20	402.70	863.90	$5,092.30
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	413.50	35.70		12.00	461.20	dollars	461.20	402.70	863.90	$5,092.30

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

(*) Transportation $12.00

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. 00-06

U. S. Department of the Interior, Bureau of Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon Dec. 7, 1951
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. IBI-S 155

To William Malosky
(Payee)

112 1/2 East Broadway, Butte, Montana
(Address) (City) (State)

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	October 1951	Per attached certified Form SF-1034 dated November 12, 1951				201	35
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	201	35

(Payee must NOT use this space)

Differences .....

Account verified; correct for .....

(Signature or initials) .....

Contract No. IBI-S 155	Date 9/19/51	Req. No.	Date	Invoice Rec'd.	

201.35

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving fund, Defense Production Act, Interior	201.35	201.35

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. ..... dated ....., 19....., for $..... } on Treasurer of the United States in favor of payee named above.
{ Cash, $....., on ....., 19.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐.
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with .....
5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, as amended.)

U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

MF-104
(April 1951)

Budget Bureau No. 42-R1036.
Approval expires 6-30-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—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.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts will be made from time to time.

CERTIFICATION

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.

~~THE~~ WILLIAM MULCAHY ~~PROPERTY~~
(Name of Company)

By William Mulcahy
(Signature of Authorized Official)

November 12, 1951
(Date)

Owner
(Title)

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

16—64068-1

U. S. BUREAU OF MINES
RECEIVED
NOV 26 1951
ALBANY, OREGON

MONTHLY SUMMARY COST STATEMENT

Name of operator William Mulcahy
Project No. DMA 1877
Total contract amount $5,092.30
Government participation percent 50
Contract No. Idm-E 155

Distribution of Expenditures for Month of October

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
* Wages and salaries	145.00	0	145.00			
Equipment purchase rails, stove, etc	110.00	0	110.00			
Equipment rental [2]	35.70	0	35.70			
Buildings						
Explosives						
Repair parts						
Other supplies carbide	3.00	0	3.00			
Power						
Transportation	12.00	0	12.00			
Withholding taxes						
Compensation insurance						
Other insurance						
Contract work hauling rails stove, etc.	97.00	0	97.00			
Other (specify)						
Total	402.70	0	402.70			
Totals previously reported	0	0	0			
Totals to date	402.70	0	402.70			

FOR GOVERNMENT USE ONLY

Checked by W R Lee
Entered by
Approved by Glenn O Reed
Amount approved for payment $ 201.35
Remarks

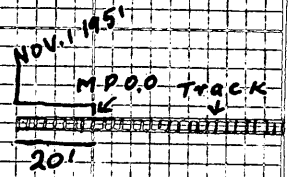
[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

* Working Foreman

Form No. 642—10 Squares to Inch
AMERICAN PAD & PAPER CO., HOLYOKE, MASS.

The Mulcahy Property Work map. October



Scale 1" = 50'

THE WILLIAM MULCAHY PROPERTY

DMA 1877 Idm-E 155
October Narrative

July 11	Mailed application for DMA Loan to Bureau of Mines 1207 N. Division, Spokane, Washington
July 30	Mr. M. R. Klepper examined property for DMA
Oct. 4	Signed Contract in Boulder
Oct. 10	Dave Anderson and Tom McColgan hauled rails with truck. Paid Anderson $40.00 in full.
Oct. 14	Got stove, windows and bed spring from Wm. Sutton. Tom McColgan helped me with stove to cabin, also to move rails and clear trail.
Oct. 15	Percy Dodge started pulling rails with truck and horse.
Oct. 16 to Oct. 18	Started to clean adit and grade for track.
Oct. 19	Dodge and I completed pulling rails to mine, also delivered 100 linear feet of rails. Paid Dodge in full $50.00.
Oct. 20 to Oct. 21	Cut ties, built trestle and laid track
Oct. 25	Paid Wm. J. Maretta in full for rails $75.00
Oct. 27	Paid Tom McColgan in full $22.00; also William Sutton in full $20.00
Oct. 28	Worked on cabin and blacksmith outfit
Oct. 29, Oct. 30, Oct. 31	Retimbered and repaired permanently 20 feet of adit. I have on the property over 600 linear feet of mine rail, a blacksmith outfit, coal, 4 axes, 3 saws, 3 shovels, 4 picks, 2 hammers, 2 bars, track gauge and level, wrenches, powder, fuse, caps, carbide, 2 miners lamps, mine car and wheel-barrow, a rehabilitated cabin, 50 feet of track on dump and 20 feet on adit, and figure to keep pn working as long as possible. I have paid out and hold receipts for $210.00; everything is paid to date. I have put in te n (10) days work on the project.

November 12, 1951

William Mulcahy
William Mulcahy,
Owner

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF October

Name of operator William Mulcahy
Project No. DMA 1877
Total contract amount $5,092.30
Government participation percent 50
Contract No. Idm-E 155

TYPE	NUMBER	MAN-SHIFTS	RATE	TOTAL
Miners			$	$
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
* Foreman	1	10	14.50	145.00
Clerks				
Stenographers				
Other				
TOTAL	1	10	14.50	145.00

NOTE.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

* Working Foreman

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Glenn O. Rud
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF October

Name of operator: William Mulcahy
Project No. DMA: 1877
Total contract amount: $5,092.30
Government participation, percent: 50
Contract No. Idm-E 155

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	* Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	145.00	47.70	3.00	207.00	402.70	Dollar	402.70	0	402.70	$5,092.30
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	145.00	47.70	3.00	207.70	402.70	Dollar	402.70	0	402.70	$5,092.30

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

* Mine rails purchased	$90.00
Stove, windows, etc.	20.00
Contract hauling	97.00
	$207.00

U. S. BUREAU OF MINES
RECEIVED
NOV 26 1951
ALBANY, OREGON

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Glenn O. Reed
Remarks