Standard Form No. 1034—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. 2329

U. S. .....
(Department, bureau, or establishment)

Voucher prepared at Spokane, Washington
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-21179

To Robert T. Curtiss
(Payee)

Route 1, Box 156 Monroe, Washington
(Address) (City) (State)

OCT 26 1959 O.M.E.

PAID BY
OMEA-4938
(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.
	July 1959	Balance withheld under Voucher No. 2313, dated August 13, 1959, and in accordance with Report of Review by OME Auditor Donald T. Finch, dated September 21, 1959.				200	00
PAYMENT: Complete ☐ Partial ☐ Final ☐		FINAL PAYMENT					
		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	200	00

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

(Sign original only)

Date ..... *Payee .....
(This certificate not required when a like certificate is made by payee on attached bill or bills)

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

(Payee must NOT use this space)

Differences .....

Account verified; correct for 200 00

(Signature or initials) L. L.

Contract No. Date Req. No. Date Invoice Rec'd.

Pursuant to authority vested in me, I certify that this account is correct and proper for payment.

† Approved for $ .....

By .....

Title .....

SIGN ORIGINAL ONLY

† .....
(Authorized Certifying Officer)

Title .....

Date .....

THE REVERSE OF THIS FORM MUST BE EXECUTED WHEN PURCHASES ARE MADE OR SERVICES SECURED WITHOUT WRITTEN AGREEMENT IN ANY FORM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount

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..... Payee .....
(Sign original only)

Per .....

Title .....

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign on the line below "Approved for $.....", and over his official title.

16—22900-3

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.)

16—22900-2 ☆ U. S. GOVERNMENT PRINTING OFFICE : 1950—O-75806

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OCT 26 1959

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August 1959 Docket No. DMEA 4938 Contract No. Idm-E1179
Operator's Name Robert T. Curtiss Minerals Copper
Address Route 1, Box 156, Monroe, Wash.
Contract Amount, $ 11,620.00 Government Participation: 50% Amount, $ 5,810.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling		$250.00	$250.00		250.00	250.00
Bulldozing						
Crosscutting		$2201.00	$2201.00		2201.00	2201.00
Drifting		$7099.00	$7099.00		7099.00	7099.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		$500.00	$500.00		500.00	500.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	$95.20	$47.60	$142.80	—	47.60	47.60
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$95.20	$10097.60	$10192.80	—	10,097.60	10,097.60

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Aug. 20, 1959 *Payee Robert T. Curtiss
Per Robert T. Curtiss Title Operator

*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:

$ —0—

Signature Dorothy F. Ray
(Authorized Certifying Officer)

Date 10/22/59 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. 6-1179 in accordance with the terms of the contract.

Signature /s/ Edwin A. Mogill Title Mining Engr. Date Aug. 21, 1959

APPROVAL BY ~~DMEA~~ ONE EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ W. E. Weissenborn Title Exec Officer Date Oct. 21, 1959

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OCT 26 1959 DMEA

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195 9 Docket No. DMEA 4938 Contract No. Idm-S 1179
Operator's Name Robert T. Curtiss Minerals Copper
Address Route 1, Box 156, Monroe, Wash.

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			$7099.00	229	$31.00	225	$31.00
Crosscutting	Foot			$2201.00	71	$31.00	75	$31.00
Raising								
Shafts								
Winzes								
Drilling: ~~Core~~ Longhole	Foot			250.00	250	1.00	250	1.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assays	Each	$95.20	28	$142.80	42	3.40	50	3.40
TOTAL DISTRIBUTED COSTS		$95.20		$9692.80				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				500.00				
New Buildings, Improvements, etc.								
TOTAL COSTS				$10192.80				

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. 20, 1959 Operator Robert T. Curtiss

Per Robert T Curtiss Title Operator

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

REMARKS:

(Instructions on reverse)

(For Government use only)

/s/ Eleven A. Majible

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

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 14 1959

DATE	INITIALS	CODE
9-14	gad	VVO
9/14		170
		800
~~9/15~~	~~[illegible]~~	~~500~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
1201 N. Division St.
Spokane 2, Washington

August 26, 1959

MEMORANDUM

To: OME Field Team, Region I

From: E. A. Magill, Mining Engineer, U. S. Bureau of Mines

Subject: Final inspection report, Docket No. DMEA-4938 (copper), Robert T. Curtiss, Mint Claims, Snohomish County, Wash., Contract No. Idm-E1179

A visit was made to the subject property on August 18, 1959, in company with Dewey Sample, geologist, U. S. Geological Survey. Mr. Gil Newman, one of the miners who has been driving the drift, was on the property at the time of the visit. Mr. Robert Curtiss was contacted in Monroe prior to visiting the property. The previous visit to the property was on July 14, 1959.

The Operator has completed all the drifting, crosscutting and long hole drilling under the contract.

Since the last visit the Operator has advanced the drift 61 feet on the principal structure. In the face, the drift is in the footwall of the structure with the main fault forming the north wall of the drift. Mineralization has been sporadic; chalcopyrite and molybdenite predominate, bornite is becoming more predominant and galena and sphalerite are absent. A sample 59-6, 0.5 feet in length, was taken across the principal structure 10 feet back from the face. The sample represents the best showing in that section of the drift. Sample 59-7 was taken across the structure in the south wall, 20 feet west of station USBM 282. It was 0.7 feet in length and represents the best portion of fluorescent mineralization, which occurs in the structure for about 15 feet. It is believed that the fluorescence is due to scheelite.

The three samples taken during the last visit to the property assayed as follows:

	59-1	59-2	59-3
Copper percent	16.1	15.6	1.62
Molybdenum (Mo) percent	0.40	0.78	0.19
Gold oz. per ton	trace	trace	nil
Silver oz. per ton	23.84	1.68	0.24

Sample 59-1 (see attached sketch) was taken 0.3 feet across main structure in back along south wall 50 feet west of USBM-93.

Sample 59-2 was taken 0.5 feet across main structure in back along south wall 36 feet west of USBM-93.

Sample 59-3 was a grab sample from stockpiled rock on south portion of dump after high-grade had been sorted out.

Since my previous visit to the property the Operator has taken samples (see Operator's July voucher) at 10-foot intervals from a point 25 feet west of USBM-93 to a point 135 feet west. These 13 samples taken across the structure had a weighted average of 1.92 percent copper and 0.23 percent MoS_2 with an average width of 2.7 feet. The Operator in taking these samples was sttempting to determine the average grade he might have across a minable width.

Two 24-foot long holes were drilled from the north wall 9 feet and 13 feet, respectively, from USBM-283. These holes were in peridotite for their entire length. The hole which trends NW reportedly encountered about 0.5-ft. of mineralization about 4 feet from its collar. These holes were not of sufficient length to expect to encounter the parallel vein to the north.

The structure and the accompanying mineralization in the drift has been persistent. Unfortunately, at no point did it make a minable ore shoot. The fact that the direction of the structure for the last 175 feet in the drift is consistent at S. 75° W. leaves some doubt as to whether or not it is the same one exposed in the upper workings, especially with the 65 degree northward dip.

As further exploration on his own account, the Operator would like to drive an inclined raise westward from the crosscut on the parallel structure. He is interested in finding out what effect the peridotite may have on the parallel structure.

The present status of the contract is as follows:

Date of contract:	March 19, 1958
Termination date:	September 19, 1959
Amount of contract:	$11,620.00
Amount spent:	10,097.60 (thru July 31, 1959)

	Authorized	Completed
Drifting and crosscutting	300 ft.	305 ft.
Timbering	200 ft.	0
Long hole drilling	250 ft.	250 ft.
Initial repairs:		
Compressor	$100.00	$100.00
Tramway	300.00	300.00
Compressor building	100.00	100.00
Assays	50 ea.	14 ea.

The project has been completed and carried out in a satisfactory manner.

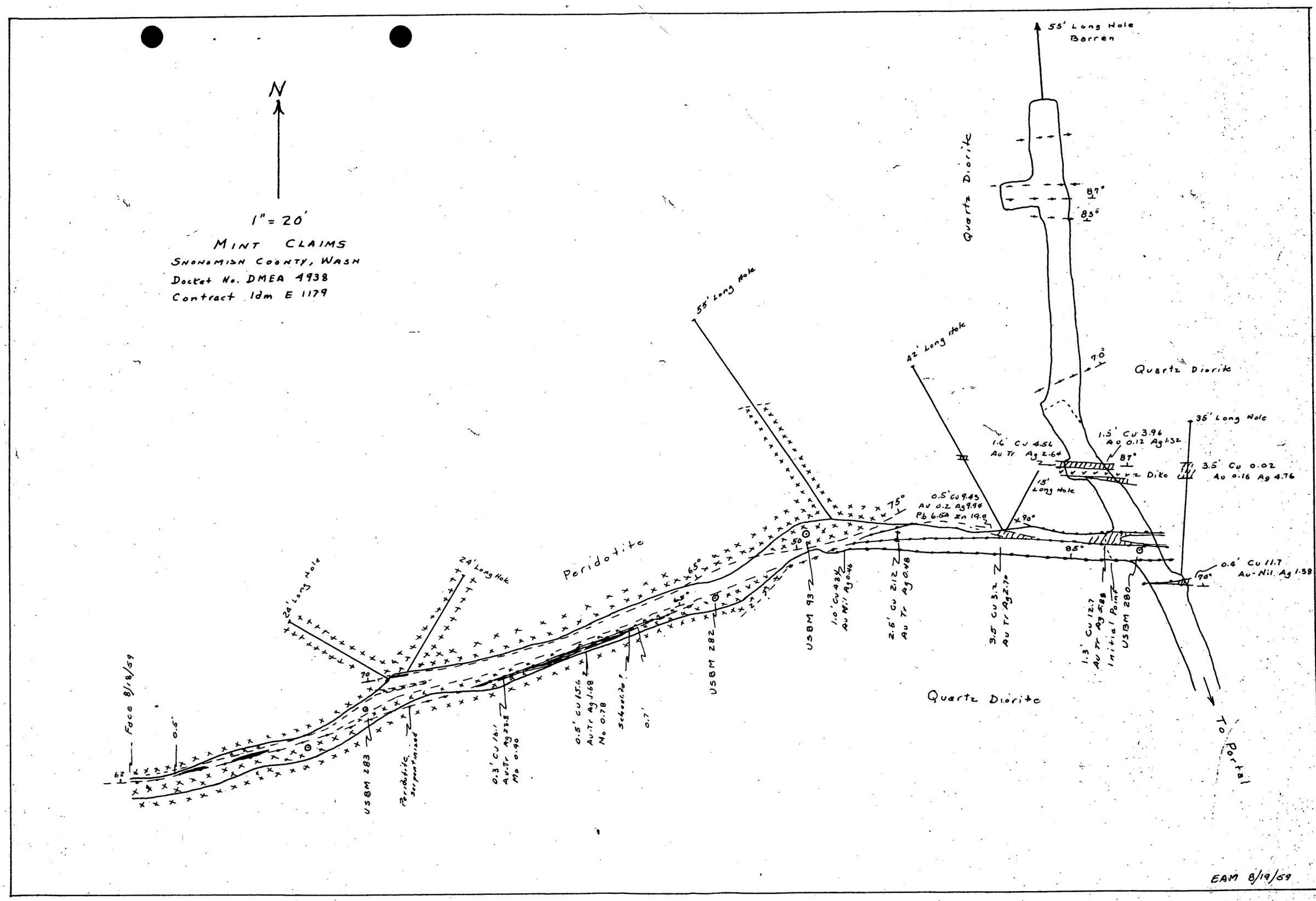
A certification of discovery was waived by the Operator in Amendment No. 1 to the contract dated November 4, 1958. The Operator is subject to royalty on both the amount expended on this contract and the amount of $7,968.38, the Government's share on Contract Idm-E417.

No! [illegible]

At the present time the Operator has an option agreement with a representative for Bear Creek Mining Company. Engineers for that company are examining the Mint as well as other properties Mr. Curtiss owns in the Sultan Basin.

E. A. Magill

Distribution:
OME (4)
USGS (2)
USBM (AD)
Docket
Magill


N
1" = 20'
MINT CLAIMS
SNOHOMISH COUNTY, WASH
Docket No. DMEA 4938
Contract Idm E 1179
55' Long Hole
Barren
Quartz Diorite
87°
85°
70°
Quartz Diorite
35' Long Hole
1.5' Cu 3.96
Au 0.12 Ag 1.32
87°
1.6' Cu 4.56
Au Tr Ag 2.64
Dike
3.5' Cu 0.02
Au 0.16 Ag 4.76
15' Long Hole
0.5' Cu 9.43
Au 0.2 Ag 9.94
Pb 6.54 Zn 19.8
90°
85°
0.4' Cu 11.7
Au-Nil. Ag 1.58
90°
55' Long Hole
42' Long Hole
75°
Peridotite
50°
65°
55°
24' Long Hole
24' Long Hole
70°
USBM 93
1.0' Cu 4.34
Au Nil Ag 0.46
2.5' Cu 2.12
Au Tr Ag 0.48
3.5' Cu 3.2
Au Tr Ag 2.70
1.3' Cu 12.7
Au Tr Ag 5.88
Initial Point
USBM 280
USBM 282
USBM 283
Peridotite
Serpentinized
0.3' Cu 16.1
Au-Tr Ag 29.8
Mo 0.40
0.5' Cu 15.6
Au-Tr Ag 1.68
Mo 0.78
Schist?
0.7'
Face 8/8/59
0.5'
62
Quartz Diorite
To Portal
EAM 8/19/59

OME Field Team, Region I

August 13, 1959

OME Certifying Officer, Region I

Robert T. Curtiss, Contract Idm-1179
Monthly operating report for July 1959

The subject monthly operating report has been processed and forwarded to the Disbursing Officer for payment.

The Operator claimed $142.80 for 42 determinations. However, the contract authorizes 50 samples to be assayed for gold, silver and copper at $3.40 each sample not $3.40 per determination. Therefore, we have allowed 16 samples at $3.40 each or $67.60; resulting in a deletion of $75.20.

We are withholding an amount of $250.00 pending Operator's final report and final audit.

Dorothy F. Long

cc: OME (2)
USGS (2)
USBM (AD)
Contract Admin. (2)
Zoldok

EXTRA COPY
O. M. E.
RECEIVED AUG 17 1959

DATE	INITIALS	CODE

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

Budget Bureau No. 42-R1036.5

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

Month of July, 1959 Docket No. DMEA 4938 Contract No. Idm-E 1179
Operator's Name Robert T Curtiss Minerals Copper
Address Route 1 Box 156 Monroe Wash.
Contract Amount, $11,620.00 Government Participation: 50 % Amount, $ 5810.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:				9/8/59 W.P.K.		
Drilling	48.00	202.00	250.00	48.00	202.00	250.00
Bulldozing						
Crosscutting		2201.00	2201.00		2201.00	2201.00
Drifting	2604.00	4495.00	7099.00	2604.00	4495.00	7099.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		400.00	400.00		500.00	500.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		100.00	100.00			
Sampling and Analysis	142.80		142.80	47.60		47.60
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
		7398.00				OK
TOTALS	2794.80	7196.00	10192.80	2699.60	7398.00	10097.60

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

Date Aug 8 *Payee Robert T Curtiss

Per Robert T Curtiss Title Operator

*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:

$ 1149.80

Signature Dorothy F. Fox
(Authorized Certifying Officer)

Date 8/13/59 Vou. No. 2313

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 1179 in accordance with the terms of the contract.

Signature /s/ Elevier A. Magill Title Mining Engr. Date Aug. 10, 1959

APPROVAL BY ~~DMEA~~ ONE EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date Aug. 12, 1959

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1959 Docket No. DMEA 4938 Contract No. Tdm-E1179
Operator's Name Robert T Curtiss Minerals Copper
Address Route 1 Box 156 Monroe Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	FT.	2604.00	84	7099.00	229	31.00	225	31.00
Crosscutting				2201.00	71	31.00	75	31.00
Raising								
Shafts								
Winzes								
Drilling: Core		48.00	48.00	250.00	250	1.00	250	1.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails		47.60		47.60				
Assays	~~Ea~~	~~142.80~~	14	~~142.80~~	14		50	3.40
TOTAL DISTRIBUTED COSTS		2699.60 ~~2794.80~~		9597.60 ~~9692.80~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				500.00				
New Buildings, Improvements, etc.								
				10097.60 ~~10192.80~~				
TOTAL COSTS								

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

Date Aug 8 Operator Robert T Curtiss

Per Robert T Curtiss Title Operator

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

REMARKS:

(Instructions on reverse)

(For Government use only)

/s/ Elvin A. Majiel

INSTRUCTIONS

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

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

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

GPO 872894

Robert T Curtis
Monroe, Wash.
Aug 8 - 59

United States
Dept. of the Interior
Office of Minerals Exploration
1201 N Divison st.
Spokane - 2 Wash.

Re: Docket no. D.M.E.A 4938
Contract no. 1dm - E 1179
Snohomish County Wash.

Dear Sir;

Since last report drift has been extended 84' plus. Mineralization has remained fairly constant in widths from 20" to 48" as indicated by attached assay sheet. Richer portions of Mineralization accured mostly on the foot wall side and in places shows massive chalcopyrite 10" in width some bornite also shows in places. At a point 120 ft west of US BM station 93 a split in the vein accured considerable evidence of movement showed here on the hanging wall accompanied by some copper and Molybdenum.

Molybdenum has been present thro all this work and in some places in very large amounts.

The samples shown in attached assaysheet were cut conservatively to see if values over a mining width would be sufficient to support a small mill.

No returns on Molybdenum has as yet been recieved from the assayer.

Assays are no. relative to US BM Station 93 Sample no 25 being 25' west of station 93 and so on.

Sample no. 1 and 2 were Taken at the face at Time of sampleing and would be no 130 and 135 on the map.

Respectfully submitted

Robert T Curtis

[illegible]

WILL L. OSS

ASSAYING
Sampling and Smelter Control

METALLURGISTS
1310 WESTLAKE AVENUE NORTH
SEATTLE 9, WASHINGTON

CHEMISTS
Chemical Testing

No. [illegible] CERTIFICATE OF ANALYSIS Date Aug. 10, 1960

Submitted by Robert [illegible]

Sample No.	MoS_2 Percent
1.	0.40
2.	0.17
[illegible]	0.07
38.	0.85
45.	0.17
[illegible]	[illegible]
[illegible]	0.20
[illegible]	0.05
[illegible]	0.05
[illegible]	0.10
[illegible]	0.07
[illegible]	[illegible]
[illegible]	0.20
[illegible]	0.07
[illegible]	0.10
[illegible]	0.03

1" = 20'
N
MINT CLAIMS
Snohomish County, Wash
Docket No DMEA 4932
Contract idm E 1139
July 1959
Sample 135
Sample 130
Sample 125
Sample 115
Sample 105
Sample 95
Sample 85
Sample 75
Sample 60
Sample 55
Sample 45
Sample 35
Sample 25
24' Long hole
Pavidolite
Quartz Diorite
55' Long hole
42' Long hole
35' Long hole
15' Long hole
Blk & Pillars
CS Grade 282

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
1201 N. Division St.
Spokane 2, Washington

July 21, 1959

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 4 1959

DATE	INITIALS	CODE
8-4	gad	220
4	FEJ	110
8/4	[illegible]	800
~~8/5~~	~~[illegible]~~	~~[illegible]~~

MEMORANDUM

To: OME Field Team, Region I

From: E. A. Magill, Mining Engineer, U. S. Bureau of Mines

Subject: Interim inspection report, Docket No. DMEA-4938 (copper), Robert T. Curtiss, Mint Claims, Snohomish County, Wash., Contract No. Idm-E1179

A visit was made to the subject property on July 14, 1959. The Operator, Mr. Robert Curtiss, was on the property at the time of the visit. The last visit to the property was on June 16, 1959.

Since the last visit the Operator has advanced the drift 68 feet and completed 57 feet of long hole drilling. The drift has followed the principal structure (see attached sketch) which consists of two parallel faults whose distance apart varies from 2.5 to 4.0 feet. The rock on either side of the faults is peridotite. Between the faults it consists of alternating bands of peridotite and altered quartz diorite. The principal mineralization is along the footwall fault. The width of the mineralization varies, for a 20-foot interval about 40 feet back from the face, it consists of 0.5 feet of solid sulfides, principal chalcopyrite but with some bornite, molybdenite and galena. A sample (59-2) 0.5 feet in width representing this area was taken. Another sample (59-1) 25 feet back from the face, 0.3 feet in width across the footwall fault was also taken. These samples represent the better mineralized portions of the fault. There is also sparsely disseminated mineralization in the rock between the two faults. The peridotite in and near the footwall fault is quite strongly serpentinized and is in contrast to the dark, almost black peridotite which occurs between the two faults.

The Operator has been dumping the muck from the rounds which were more heavily mineralized in a separate dump. A grab sample (59-3) was taken of the material on this dump. It represents about a hundred tons.

As can be noted from the sketch map, the strike of the structures which are being followed does not conform to the structure in the upper workings 300 feet above. It is possible that the peridotite body has distorted the structure on this level. There is no indication at the present time that the drift is getting out of the peridotite. However, it is possible that the drift is following near one wall of the peridotite. The 42-foot long hole which was drilled N. 27 W. between Stations 93 and 280, according to the Operator, failed to intersect any peridotite; it did intersect 1.5 feet of mineralization between 18.5 and 20 feet.

At the present rate of progress the Operator should complete the work under the contract before the end of August. The status of the work under the contract as of July 14 is as follows:

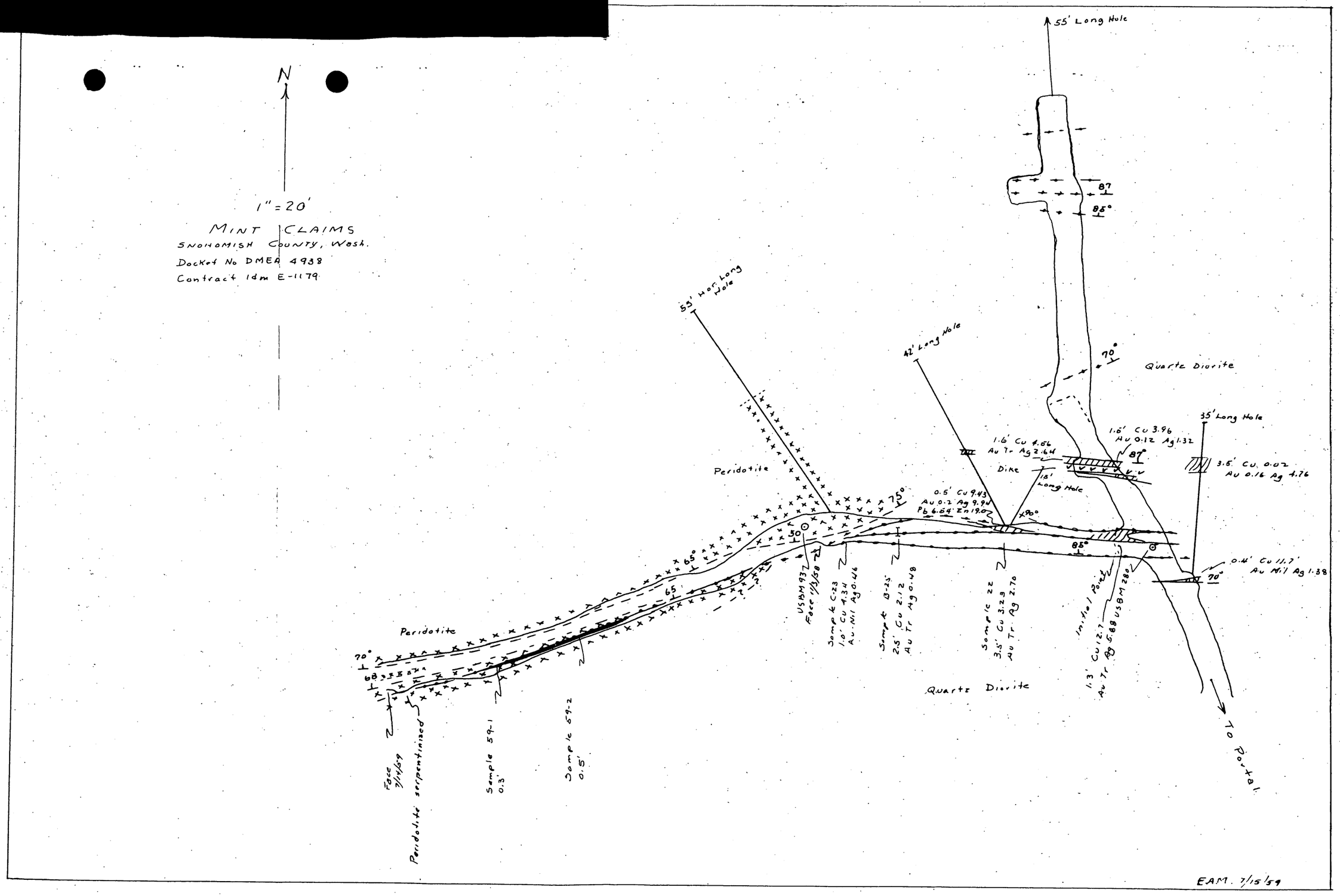
Date of contract: March 19, 1958
Termination date: September 19, 1959
Amount of contract: $11,620.00
Amount spent: $ 7,398.00 (thru June 30, 1959)

	Authorized	Completed
Drifting and crosscutting	300 ft.	244 ft.
Timbering	200 ft.	0
Long hole drilling	250 ft.	202 ft.
Initial repairs:		
Compressor	$100.00	$100.00
Tramway	300.00	300.00
Compressor building	100.00	100.00

The project is being carried out in a satisfactory manner.

E. A. Magill

Distribution:
OME (4)
USGS (2)
USBM (AD)
Docket
Magill


N
1" = 20'
MINT CLAIMS
SNOHOMISH COUNTY, Wash.
Docket No DMEA 4938
Contract Idm E-1179
55' Long Hole
87
85°
70°
Quartz Diorite
55' Hor. Long Hole
42' Long Hole
35' Long Hole
1.6' Cu 4.56
Au Tr Ag 2.64
Dike
18' Long Hole
1.6' Cu 3.96
Au 0.12 Ag 1.32
87
3.5' Cu 0.02
Au 0.16 Ag 4.76
0.5' Cu 9.43
Au 0.2 Ag 9.94
Pb 6.54 Zn 19.0
90°
75°
Peridotite
50
65°
65
85°
0.4' Cu 11.7'
Au Nil Ag 1.38
70°
USBM 937
Face 11/3/58
Sample C-23
1.0' Cu 4.34
Au Nil Ag 0.46
Sample B-25'
2.5' Cu 2.12
Au Tr Ag 0.48
Sample 22
3.5' Cu 3.23
Au Tr Ag 2.70
Initial Point
1.3' Cu 12.7
Au Tr Ag 5.88 USBM 280
Peridotite
70°
68
Quartz Diorite
Face
7/14/59
Peridotite serpentinized
Sample 59-1
0.3'
Sample 59-2
0.5'
To Portal
EAM. 7/15/59

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 4 1959
DATE | INITIALS | CODE

Standard Form No. 1034—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. 2306

JUL 20 1959
7/15/59
O.M.E.

U. S. .....
(Department, bureau, or establishment)

Voucher prepared at Spokane, Washington
(Give place and date)

THE UNITED STATES, Dr., *Payee's Account No.* 10n-E1179

To Robert T. Curtiss
(Payee)

Route 1, Box 156 Monroe, Washington
(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.
	June 1959	As per attached certified form NF-104 dated June 29, 1959				1,268	50
	October 1958	Funds withheld from Voucher No. 2254, dated December 3, 1958				50	00
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	1,318	50

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

(Sign original only)

Date ..... *Payee .....
(This certificate not required when a like certificate is made by payee on attached bill or bills)

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

(Payee must NOT use this space)

Differences .....

Account verified; correct for 1,318 50

(Signature or initials) D. L.

Contract No.	Date	Req. No.	Date	Invoice Rec'd.

Pursuant to authority vested in me, I certify that this account is correct and proper for payment.

† Approved for $ .....

By .....

Title .....

SIGN ORIGINAL ONLY

† .....
(Authorized Certifying Officer)

Title .....

Date .....

THE REVERSE OF THIS FORM MUST BE EXECUTED WHEN PURCHASES ARE MADE OR SERVICES SECURED WITHOUT WRITTEN AGREEMENT IN ANY FORM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount

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..... Payee .....
(Sign original only)

Per .....

Title .....

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign on the line below "Approved for $.....", and over his official title.

16—22900-3

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.)

16—22900-2 ☆ U. S. GOVERNMENT PRINTING OFFICE : 1950—O-75806

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

Budget Bureau No. 42-R1036.5

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

O.M.E.

Month of June, 1959 Docket No. DMEA 1938 Contract No. Idm-E 1179
Operator's Name Robert T Curtiss Minerals Copper
Address Route 1 Box 156 Monroe, Idaho
Contract Amount, $ 11,620.00 Government Participation: 50 % Amount, $ 5810.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:				7/28/59 O.K.P.K.		
Drilling	57.00	145.00	202.00	57.00	145.00	202.00
Bulldozing						
Crosscutting		2201.00	2201.00	—	2201.00	2201.00
Drifting	2480.00	2015.00	4495.00	2480.00	2015.00	4495.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		466.00	466.00		500.00	500.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		100.00	100.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2537.00	4861.00	7398.00	2537.00	4861.00	7398.00

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

Date June 29 *Payee Robert T Curtiss

Per Robert T Curtiss Title Operator

*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:

$ 1268.50

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 7/15/59 Vou. No. 2806
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 1179 in accordance with the terms of the contract.

Signature /s/ Elwin A. Mogill Title Mining Engr. Date July 1, 1959

APPROVAL BY ~~DMEA~~ SME EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ W. E. Weissenborn Title Exec Officer Date July 14, 1959

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1959 Docket No. DMEA 4938 Contract No. Idm-E 1179
Operator's Name Robert T. Curtiss Minerals Copper
Address Route 1 Box 156 Monroe, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.	2480.00	80	4495.00	145	31.00	225	31.00
Crosscutting				2201.00	71	31.00	75	31.00
Raising								
Shafts								
Winzes								
Drilling: Core		57.00	57	202.00	202	1.00	250	1.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2537.00		6898.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				500.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		2537.00		7398.00				

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

Date June 29 Operator Robert T. Curtiss
Per Robert T. Curtiss Title Operator

REMARKS:

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

(Instructions on reverse)

(For Government use only)

/s/ Elvin A. Magill

INSTRUCTIONS

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

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

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

GPO 872894

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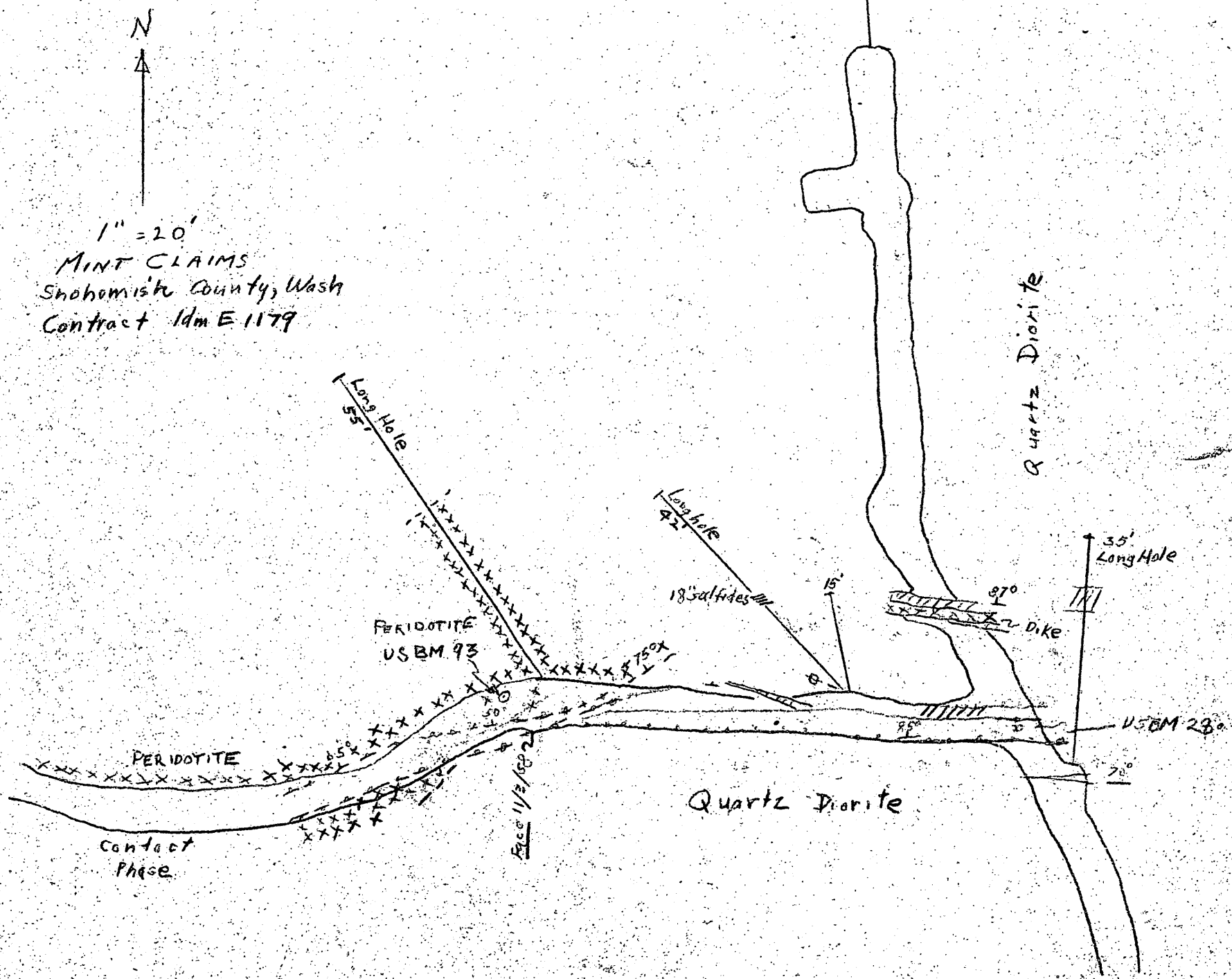
Work was resumed the 5th day of June.

P.S. Sixteen foot Long hole shown on sketch was enclosed in qtz. diorite and cut one section of sulphides 18" Thick.
42 foot hole was enclosed qtz diorite cut one 4" seam of gouge


N
1" = 20'
MINT CLAIMS
Snohomish County, Wash
Contract Idm E 1179
Long Hole
55'
Long Hole
42'
18" sulfides
15'
PERIDOTITE
USBM 93
PERIDOTITE
Contact
Phase
Face 11/2/59
Quartz Diorite
Quartz Diorite
Dike
35'
Long Hole
USBM 28
70°

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DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
1201 N. Division St.
Spokane 2, Washington

June 24, 1959

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RECEIVED JUL 10 1959

DATE	INITIALS	
7-13	gad	220
"	JG	110
7/14	[illegible]	800
~~7/15~~	~~K~~	~~500~~
		225

MEMORANDUM

To: OME Field Team, Region I

From: E. A. Magill, Mining Engineer, U. S. Bureau of Mines

Subject: Interim inspection report, Docket No. DMEA-4938 (copper), Robert T. Curtiss, Mint Claims, Snohomish County, Wash., Contract No. Idm-E1179

A visit was made to the subject property on June 16, 1959. The Operator, Mr. Robert Curtiss, was on the property at the time of the visit, along with two miners who were working underground. The last visit to the property was on November 3, 1958.

The Operator commenced work at the property about the middle of May by bulldozing the snow off the access road. Several weeks were necessary to rehabilitate the equipment. Underground work was started early in June and 40 feet of drifting (see attached map) had been completed. Under Amendment No. 1 work under the contract had to be resumed prior to June 15, 1959.

The westerly drift, which has been extended 40 feet, has been turned to the southwest in order to stay on the structure. In the face the structure consists of two parallel faults about 2.5 feet apart which have a dip of 65 degrees to the northwest. Between the faults is bleached sparsely mineralized quartz diorite. On either side of the faults is peridotite. It appears that the quartz diorite is pinching out. Mineralization along and between the two parallel faults consists of chalcopyrite, molybdenite and pyrrhotite. In the face it is quite sparse; however, back about 15 feet from the face on the south wall is exposed 0.5 foot of practically solid chalcopyrite.

In order to gain more information about the shape of the peridotite body and the mineralization in the parallel vein to the north it was suggested to the Operator that he drill two long holes northward from the drift. One hole approximately due north from a

point 30 feet west of USBM-280 and another hole N. 30 W. from a point in the north wall of the drift 35 feet west of USBM-280. By drilling an angle hole it will save putting in a slab round to obtain sufficient room to drill.

Specimens from the peridotite in the drift and from the dike exposed with the parallel vein were examined carefully. The dike associated with the parallel vein is softer and lighter in color, but this may be only an alteration feature. It is quite possible that the two rocks are basically similar and part of the same body.

A phone call was received from the Operator on June 22. He said that the drift had been advanced about 11 feet since the visit on the 16th and that the peridotite on the hanging wall had gone. Apparently the drift has cut through the dike. He also stated that the mineralization had improved and that there was an especially good showing of molybdenite.

The status of the work under the contract as of June 16 is as follows:

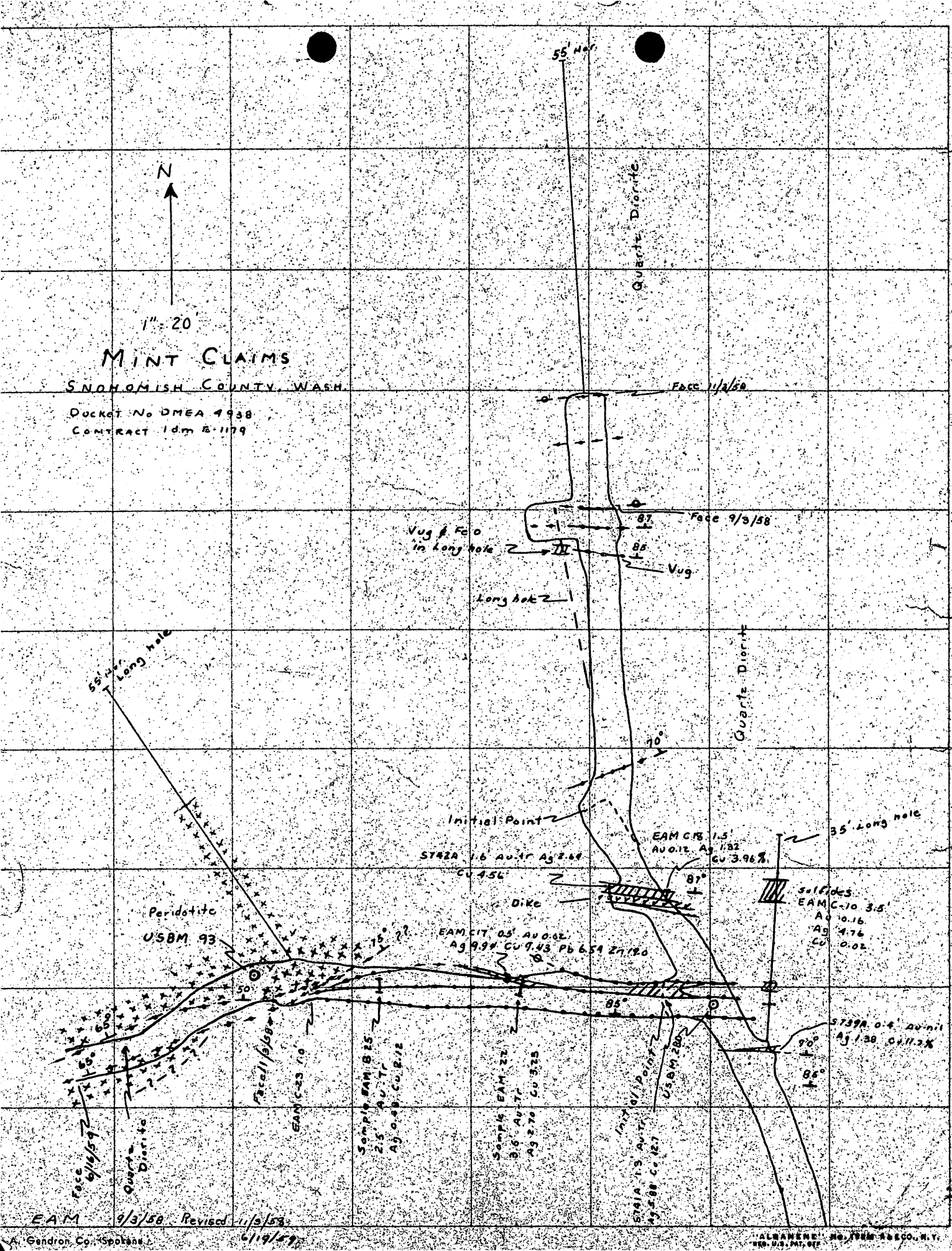
Date of contract: March 19, 1958
Termination date: September 19, 1959
Amount of contract: $11,620.00
Amount spent: $ 4,861.00 (thru Nov. 3, 1958)

	Authorized	Completed
Drifting and crosscutting	300 ft.	176 ft.
Timbering	200 ft.	0
Long hole drilling	250 ft.	145 ft.
Initial repairs:		
Compressor	$100.00	$100.00
Tramway	300.00	300.00
Compressor building	100.00	100.00

The project is being carried out in a satisfactory manner.

E. A. Magill

Distribution:
OME (4)
USGS (2)
USBM (AD)
Docket
Magill


N
1" = 20'
MINT CLAIMS
SNOHOMISH COUNTY, WASH.
DOCKET No DMEA 4938
CONTRACT Idm B-1179
55' Hor.
Quartz Diorite
Face 11/2/58
Face 9/3/58
87
85
Vug & Fe O in Long hole
Vug
Long hole
55' Vert. Long hole
70°
Quartz Diorite
Initial Point
EAM C18 1.5' Au 0.12 Ag 1.82 Cu 3.96%
3.5' Long hole
S742A 1.6 Au 1.1 Ag 2.64 Cu 4.56
87°
Dike
Sulfides
EAM C-10 3.5' Au 0.16 Ag 4.76 Cu 0.02
Peridotite
USBM 93
EAM C17 0.5' Au 0.02 Ag 9.94 Cu 9.43 Pb 6.54 Zn 18.6
15° ??
50
85°
65°
65°
Face 11/3/58
EAM C-23 1.0'
Sample EAM 8 2.5' Au Tr Ag 0.49 Cu 8.12
Sample EAM 22 3.6' Au Tr Ag 2.70 Cu 3.23
Initial Point
USBM 28
S739A 0.4' Au nil Ag 1.38 Cu 11.7%
90°
85°
Face 6/16/59
Quartz Diorite
EAM 9/3/58 Revised 11/3/58
6/19/59
A. Gendron Co. Spokane
ALBANENE No. 1 BLEECO. N.Y.

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DATE	INITIALS	CODE

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

Budget Bureau No. 42-R1036.5

RECEIVED
O.M.E.

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

Month of Oct., 1958 Docket No. DMEA 4938 Contract No. DMEA 1179
Operator's Name Robert T Curtis Minerals Copper
Address Route 1 Box 156 Monroe Wash.
Contract Amount, $ 11,620.00 Government Participation: 50 % Amount, $ 5810.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:				12/16/58	OK	
Drilling	5.00	140.00	145.00	5.00	140.00	145.00
Bulldozing						
Crosscutting		2201.00	2201.00		2201.00	2201.00
Drifting	465.00	1550.00	2015.00	465.00	1550.00	2015.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		400.00	400.00		500.00	500.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		100.00	100.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	470.00	4391.00	4861.00	470.00	4391.00	4861.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Nov. 17, 1958 *Payee Robert T Curtis
Per Robert T Curtis Title Operator

*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) Withheld 235.00
50.00
Pay 185.00

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

$ 185.00

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 12/3/58 Vou. No. 2254
(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. 21179 in accordance with the terms of the contract.

Signature Ellen A. Magill Title Mining Engineer Date Nov. 20, 1958

APPROVAL BY ~~DMEA~~ OME EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date Dec. 3, 1958

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED DEC 9 1958 O.M.E.

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Oct. 1958 Docket No. DMEA 4938 Contract No. Idm-E 1179
Operator's Name Robert T Curtiss Minerals Copper
Address Route 1 Box 156 Monroe Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	FT	465.00	15	2015.00	65	31.00	225	31.00
Crosscutting				2201.00	71	31.00	75	31.00
Raising								
Shafts								
Winzes								
Drilling: Core		5.00	5	145.00	145	1.00	250	1.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		470.00		4361.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				500.00				
New Buildings, Improvements, etc.								
TOTAL COSTS		470.00		4861.00				

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

Date Nov. 17 Operator Robert T Curtiss

Per Robert T Curtiss Title Operator

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

REMARKS:

(Instructions on reverse)

(For Government use only)

Elem A Mazill

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.

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GPO 872894

Robert T Curtiss
Route 1 Box 156
Monroe, Wash
Nov. 17 - 58

United States
Dept. of The Interior
Office of Minerals Exploration
So. 157 Howard St.
Spokane - 4 Wash.

Dear Sir;

Re. Docket no. 4938
Contract no. Idm. - E 1179
Snohomish County Wash.

Recent work has been devoted to preparing eq
for winter and making necessary repairs to ge
By error five feet of long hole was omitted from
is now included in the Oct. report along with dr
which also had not been submitted.

Previous narrative contains all geological and m
data up to date.

Respectfully yours
Robert T Curtiss

Robert T Carter
Docket no. 4938
Contract no Idm-E 1179
Snohomish County, Wash.

Long hole log.

long hole no 1. face of Crosscut.
XT.
1' To 6' quartz diorite
6' To 11' " " " " coarse grained
11' To 16' " " " " soft streaks 2" To 3" in width.
16' To 21' " " " " medium hard
21' To 26' " " " " " " " "
26' To 31' " " " " " " " "
31' To 36' " " " " harder finer grained
36' To 41' " " " " " " " " "
41' To 46' " " " " " " " " "
46' To 55' " " " " fine grained hard with several soft streak
1" To 3" in width.

Long hole no. 2. face of drift
XT.
0 To 5' peridotite } magnetic.
5' To 10' " " " .
10' To 15' " " " .
15' To 20' " " " .
20' To 28' inky black very heavy cuttings highly magnetic probably magnet
28' To 35' peridotite ended at 31' cuttings light colored green very soft.
35' To 40' light green colored cuttings soft no visible sulphides
40' To 45' light colored soft altered quartz diorite sericitic
45' To 55' " " " " " " " " " " " making water.

No. 1 Level

[illegible] Proposed [illegible]

[illegible]

No. 1 Level

Shaft

Shaft

PLAN MAP

SHOWING PROPOSED EXPLORATION

ROBERT T. CURTISS

ISAGEA. 1938.

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O. M. E.
RECEIVED DEC 9 1958

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

1201 N. Division St.
Spokane 2, Washington

November 18, 1958

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O. M. E.
RECEIVED NOV 24 1958

DATE	INITIALS	CODE
11/24	C	220
"	[illegible]	110
11/24	[illegible]	800
11/25	[illegible]	500

MEMORANDUM

To: DMEA Field Team, Region I

From: E. A. Magill, Mining Engineer, U. S. Bureau of Mines

Subject: Interim inspection report, Docket No. DMEA-4938 (copper), Robert T. Curtiss, Mint Claims, Snohomish County, Wash., Contract No. Idm-E1179

A visit was made to the subject property on November 3, 1958 in company with Howard Albee, geologist, U. S. Geological Survey. No one was working on the property at the time of the inspection as operations were shut down for the winter. The Operator was contacted in Monroe prior to visiting the property.

Since the previous visit on September 3, 1958 the Operator has advanced the crosscut to a total of 71 feet and drilled a 55-foot long hole from its face. It has a bearing of N. 4° W. and is horizontal. No significant mineralization was encountered in the 71 feet of crosscut and, according to the Operator, none in the long hole. A log of this hole as furnished by the Operator is as follows:

1 - 6'	Quartz diorite	
6 - 11'	" "	coarse grained
11 - 16'	" "	soft streaks 2" to 3" in thickness
16 - 31'	" "	medium hard
31 - 46'	" "	hard, fine grained
46 - 55'	" "	" " " with several soft streaks 1" to 3" in thickness

In the drift the Operator has advanced a total of 65 feet and drilled a 55-foot horizontal long hole N. 35° W. from the north wall, 71 feet west of USBM-280. In the face of the drift the peridotite now appears to be limited on the footwall side by the mineralized fault on which the drift has been driven. The fault appears to have been offset by crossfaults which form and are in the footwall of the peridotite. Mineralization in the face of the drift is in both the peridotite and quartz diorite. A sample, EAM C-23, 1.0-ft. in length cut across the mineralized structure in the face 70 feet west of USBM-280 assayed:

Copper	4.34 percent
Gold	0.10 ounces per ton
Silver	0.46 " " "

The log of the long hole from the drift as furnished by the Operator, is as follows:

0 - 20'	Peridotite
20 - 28'	Black, very heavy cuttings, highly magnetic
28 - 31'	Peridotite ends at 31'
31 - 35'	Light green-colored cuttings, very soft.
35 - 40'	Light green cuttings, soft, no sulfides visible.
40 - 45'	Light colored,soft, altered quartz diorite, sericitic
45 - 55'	Light colored, soft, altered quartz diorite, sericitic, making water.

The assays on three samples taken at various locations on previous examinations are as follows:

Sample EAM C-10. Sample of drill cuttings between 23.5 and 27.0 feet from long hole collared in east wall of crosscut 11 feet S. 55° E. from USBM-280.

Copper	0.02 percent
Gold	0.16 ounces perton
Silver	4.76 " " "

Sample EAM C-17. Channel sample 0.5' in length across high-grade lens in north wall in drift, 34 feet west of USBM 280. Chalcopyrite, galena and sphalerite.

Copper	9.43 percent
Lead	6.54 "
Zinc	19.0 "
Gold	0.02 ounces per ton
Silver	9.94 " " "

Sample EAM C-18. Channel sample 1.5' in length across mineralization and dike in east wall of main crosscut 20' northwest of USBM-280.

Copper	3.96 percent
Gold	0.12 ounces per ton
Silver	1.32 " " "

Sample EAM C-~~19~~ 23. Sample of peridotite in face of drift 67 feet west of USBM-280. Fine-grained, dark green to almost black, some serpentinization.

Nickel	0.05%

Spectrographic report on similar (EAM C-11) sample, U.S.B.M., Albany, Oregon, No. 906, dated 9/18/58, gave:

Over 10%	-	Iron Magnesium Silica		
5 to 10%	-	Aluminum		
1 to 5%	-	Calcium		
0.1 to 1%	-	Boron Chromium Manganese Sodium Nickel		
0.01 to 0.1%	-	Cobalt Titanium Vanadium		
0.001 to 0.01%	-	Copper		
Not detected	-	Silver Arsenic Gold Barium Beryllium Bismuth Tin Zinc	Cadmium Gallium Germanium Hafminum Mercury Lithium Tellurium Zirconium	Molybdenum Niobium Platinum Lead Phosphorus Antimony Tungsten

Sample EAM C-11 was also identified by H. D. Hess, Head, Petrographic Laboratory, U.S.B.M., Albany, Oregon, as:

"The sample consists essentially of massive serpentine with some associated fine grained magnetite and chlorite and small amounts of chrysotile and secondary calcite.

"The magnetic mineral is magnetite, which is very finely disseminated throughout the sample."

From the results of the work to date it appears that the two structures previously intersected (i.e., the one cutting through USBM-280 and the one 15 feet to the north) in the crosscut are the downward extensions of the Mint vein. The structure on which the drift has been carried westward warrants further exploration. It would also be desirable to determine by long hole drilling what happens to the parallel structure

to the west, especially where it intersects the peridotite. There is a possibility that the dike in the crosscut is the extension of the dike in the drift although the two rocks are not identical in hand specimen.

Amendment No. 1 to the contract, dated November 4, 1958, will allow the Operator to continue the drifting on the structure previously exposed. It also recesses the contract from December 1, 1958 to not later than June 15, 1959. The termination date is extended to September 19, 1959.

The status of the contract work as of November 3, 1958, is as follows:

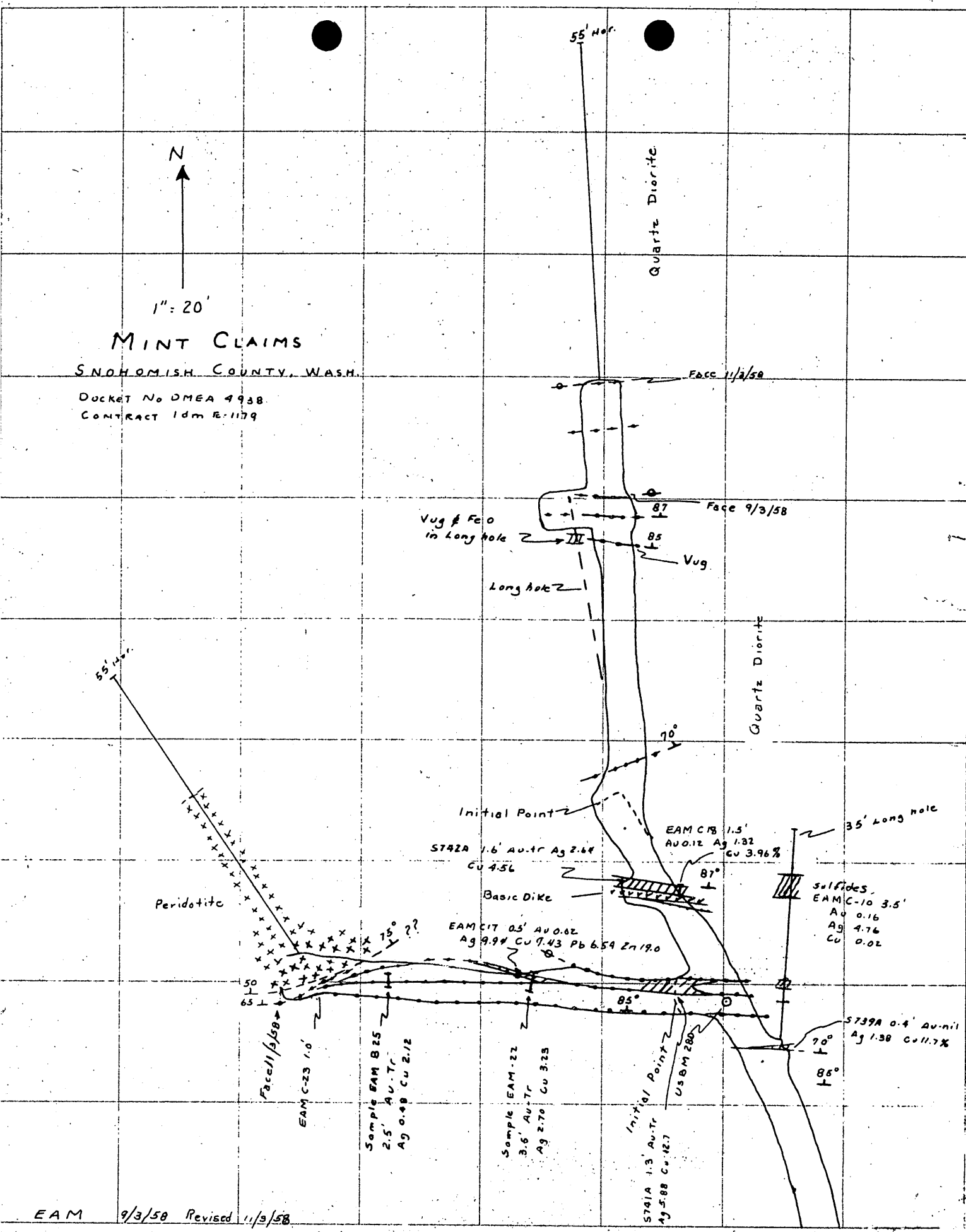
Date of contract: March 19, 1958
Termination date: November 19, 1958 (extended by Amend. No. 1, dated November 4, 1958, to 9/19/59)
Amount of contract: $11,620.00
Amount spent: 4,861.00 (thru Nov. 3, 1958)

	Authorized	Completed
Drifting and crosscutting	300 ft.	136 ft.
Timbering	200 ft.	0
Long hole drilling	250 ft.	145 ft.
Initial repairs:		
Compressor	$100.00	$100.00
Tramway	$300.00	$300.00
Compressor building	$100.00	$100.00

The Operator plans on continuing the drift to the westward, according to the provisions in Amendment No. 1, as soon as weather conditions permit in the spring.

E. A. Magill

Distribution:
OME (4)
USGS (2)
USBM (AD)
Docket
Magill



EAM 9/3/58 Revised 11/3/58

I. A. Gendron Co., Spokane
"ALBANENE" NO. 7000 A & E CO., N. Y. REG. U.S. PAT. OFF

OFFICIAL FILE COPY
O. M. E.
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DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
So. 157 Howard Street
Spokane 4, Washington

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 24 1958

DATE	INITIALS	CODE

November 10, 1958

MEMORANDUM

To: OME Field Team Region I

From: Howard F. Albee, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report, Docket No. DMEA-4938 (Copper), Robert T. Curtiss, Mint Claims, Snohomish County, Washington, Contract No. Idm-E1179

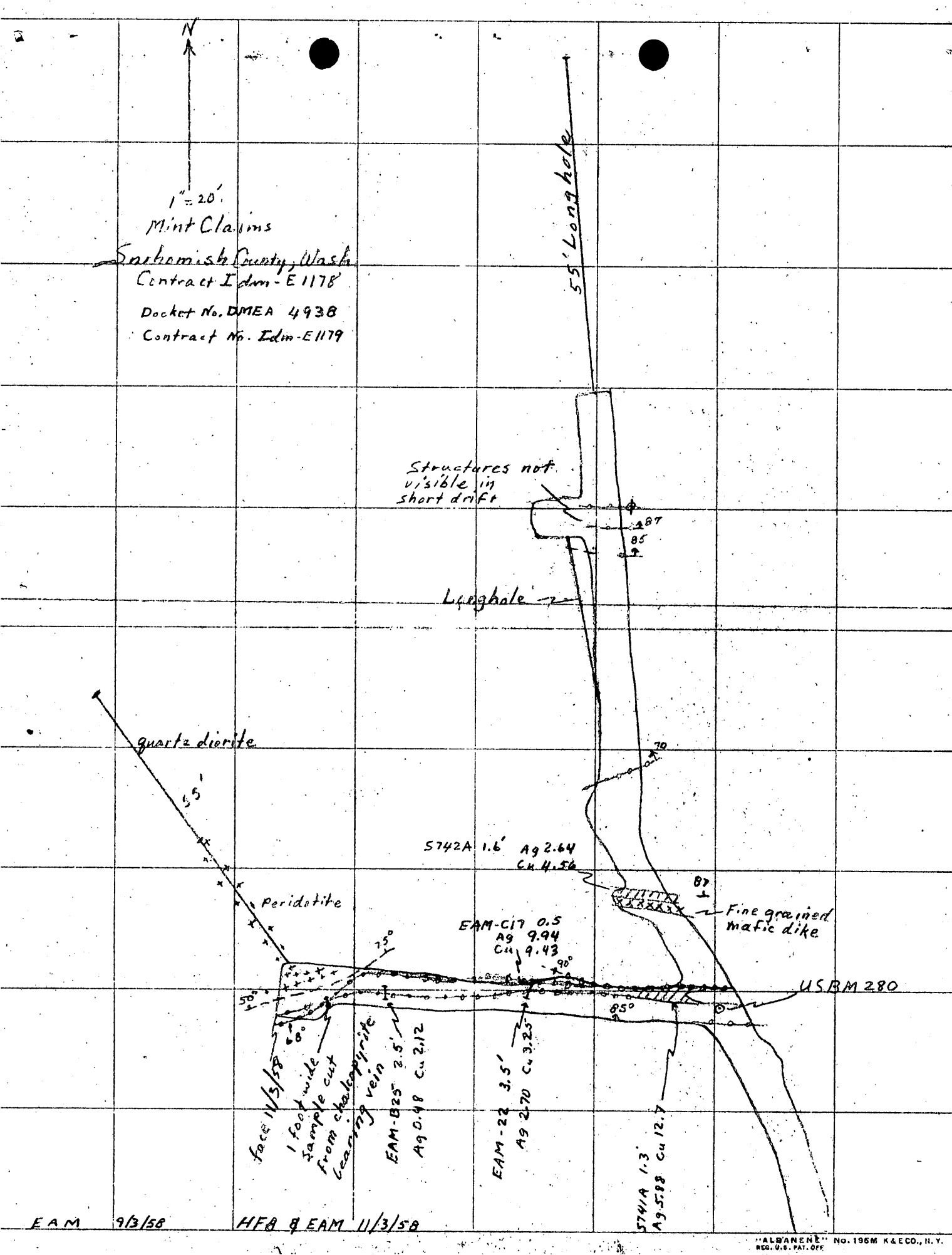
The property was visited November 3, 1958, in company with E. A. Magill, Mining Engineer, U. S. Bureau of Mines. The work has been recessed for the winter and no one was at the property.

The north crosscut has been advanced to 74 feet, or approximately 19 feet since Mr. Magill's visit of September 3. A 55-foot long hole was drilled from the face. The long hole and crosscut encountered no mineralized material or structures.

No advance had been made in the west drift. A slab round had been made along the south side at the face in order to set up for a long hole (see accompanying sketch). A 55-foot long hole was drilled on a bearing of approximately N. 35° W. No mineralized material was found. The north wall of the peridotite body was found at 31 feet and the last 24 feet of the long hole were in diorite.

The vein along the north wall of the drift is in a fault that, near the peridotite, crosses the drift and appears to coalesce with the vein that is in the middle of the drift. The structure is fairly strong and should be followed.

Attachment
Distribution:
OME (4)
USBM (2)
USBM(AD)
Docket
Albee



"ALBANENE" NO. 196M K&E CO., N.Y.
REG. U.S. PAT. OFF.

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	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

1201 N. Division St.
Spokane 2, Washington

November 5, 1958

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O. M. E.
RECEIVED NOV 18 1958

DATE	INITIALS	CODE
11/18	H. J.	225
		100
"		110
11/18		800
11/19		500

MEMORANDUM

To: OME Field Team, Region I

From: John A. Bowsher, Mining Engineer, Bureau of Mines

Subject: Interim inspection report, Docket No. DMEA-4588 (lead-zinc), John Zupan, Dr. Kalloch Mine, Judith Basin County, Montana, Contract No. Idm-E1191

The project was visited October 15; none of the operating personnel were present. The previous visit was on August 16.

A discussion with Messrs. John Zupan, Operator, and John P. Wuerthner, attorney, was held in Great Falls, on October 15, before visiting the operations. The discussion related only to the current progress and status of the contract.

The Operator has installed a portable compressor at the project. It is a Worthington, Model 105, with rated capacity 100 lbs. pressure. Part of one round had been blasted in the toe of the inclined rock face; however, the muck had not been removed. It is evident that the drifting has been started and the Operator expects to continue until the contract is completed.

No production was made from the property.

The status of the contract remains the same as for the inspection of August 16.

John A. Bowsher

Distribution:
OME (4)
USGS (2)
USBM (AD)
Docket
Bowsher

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

RECEIVED
OCT 28
O.M.E.

Budget Bureau No. 42-R1036.5

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

Month of Sept., 1958 Docket No. DMEA 4938 Contract No. Idm-E 1179
Operator's Name Robert T. Curtiss Minerals copper
Address Route 1 Box 156 Monroe Wash.
Contract Amount, $ 11,620.00 Government Participation: 50 % Amount, $ 5810.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:				10/30/58	OK	
Drilling	105.00	35.00	140.00	105.00	35.00	140.00
Bulldozing						
Crosscutting	589.00	1736.00	2325.00	589.00	1612.00	2201.00
Drifting		1550.00	1550.00		1550.00	1550.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		400.00	400.00		500.00	500.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		100.00	100.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	694	~~3786.00~~ 3821.00	4515.00	694.00	3697.00	4391.60

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Oct. 14 *Payee Robert T Curtiss
Per Robert T Curtiss Title Operator

*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:

$ 347.00

Signature Dorothy F. Lane
(Authorized Certifying Officer)

Date 10/23/58 Vou. No. 2238

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 1179 in accordance with the terms of the contract.

Signature /s/ Edwin A. Mogill Title Mining Engr. Date Oct. 17, 1958

APPROVAL BY ~~DMEA~~ OME EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. B. Weissenborn Title Exec. Officer Date Oct. 21, 1958

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Sept. 1958 Docket No. DMEA 4938 Contract No. Idm-E.1179

Operator's Name Robert T Curtis's Minerals Copper

Address Route 1 Box 156 Montrose Wash.

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				1550.00	50	31.00	225	31.00
Crosscutting	ft	589.00	19	~~2325.00~~ 2201.00	71	31.00	75	31.00
Raising								
Shafts								
Winzes								
Drilling: Core		105.00	105	140.00	140	1.00		
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		694.00		3891.00 ~~4415.00~~				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				500.00				
New Buildings, Improvements, etc.								
Total Costs		694.00		4391.00 ~~4515.00~~				

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

Date Oct 14 Operator Robert T Curtis's

Per Robert T Curtis's Title Operator

Remarks:

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

(Instructions on reverse)

(For Government use only)

/s/ Elvin A. Magill

INSTRUCTIONS

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

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

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

GPO 872894

Robert T Curtiss
Route 1 Box 156
Monroe, Wash
Oct-14-1958

United States
Dept. of The Interior
D.M.E.A.
So. 157 Howard st.
Spokane-4 Wash

Dear Sir,

re. Docket no. D.M.E.A. 4936
Contract no. Idm-E 1139
Snohomish County, Wash.

Latest work has advanced face of crosscut 19ft. for Total distance of 71' then a long hole was driven on strike of cross cut a distance of 55' no significant mineralization was discovered some altered zones a few inches in width was intersected but showed no sulphides.

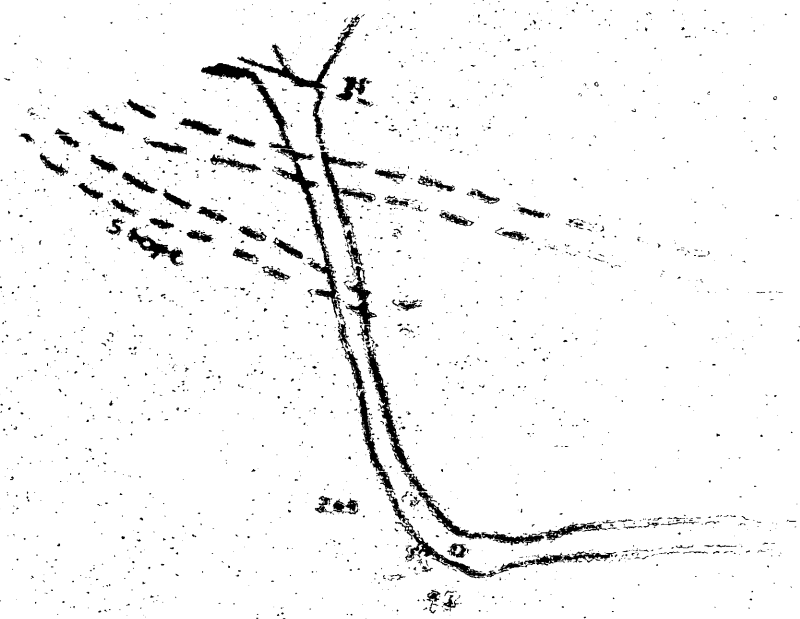
A long hole was also driven from face of drift at about right angle To The peridotite dike exposed in face of drift, This hole was driven a distance of 55'.

The long hole drilled Thro the peridotite thirty one feet from The collar. A section of The long hole 13' To 17' from The collar gave light colored cuttings very soft altered material probaly a sercite quartz diorite. From 31 feet to 47 feet the ground was medium To hard quartz diorite from 47' To 55' The ground was very soft highly altered quartz diorite which was making considerable amounts of water no sulphides were observed.

In preparing To drive The long hole in The drift a slab round was drilled near The face on The foot wall side. The mineralization which had apparently curved To follow The peridolite was again exposed about 20" in width and on strike with the drift with a quartz diorite foot wall, The impression is That The peridotite has been cut off at this point. The ore here is carrying an allractive amount of copper in a quartz gangue.

Respectfully submitted

Robert T Curtiss



PLAN MAP

Showing Proposed Exploration

Robert T. Curtiss
Dec. 4 1938

FIGURE 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1201 N. Division St.
Spokane 2, Washington

September 8, 1958

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 7 1958

DATE	INITIALS	CODE
10/7	C	20
7	Com	100
"		110
10/8	EEB	800
10/8	Bly	500

MEMORANDUM

To: DMEA Field Team, Region I

From: E. A. Magill, Mining Engineer, Bureau of Mines

Subject: Interim inspection report, Docket No. DMEA-4938 (copper), Robert T. Curtiss, Mint Claims, Snohomish County, Wash., Contract No. Idm-E1179

A visit was made to the subject property on September 3. Mr. Norman Chapman, foreman, and two muckers were at the mine. Since the previous visit on July 8, 1958 the 50 feet of drifting has been completed and the crosscut has been advanced 52 feet.

The target for the crosscut is about 42 feet from the initial point where a vug with iron oxide was encountered in a long hole. The crosscut has passed this point but is about 5 feet to the east of the drill hole. The structure in the crosscut (see attached map) which is believed to correspond to that intersected in the drill hole, shows several small vugs (several inches across) and fracturing an inch or so in width. Very sparse sulfides were noted. No iron stains were seen. In general, the portion of the crosscut driven under the present contract does not show the mineralization that is displayed in the portion in the vicinity of the drift.

The drift has been advanced a total of 63 feet. At 50 feet from the initial point what appears to be a peridotite dike commences to cut across the drift at about 45 degrees. The wall of this dike strikes S. 70° W. and dips 65°-75° N. The mineralized structure which the drift was following, upon approaching the dike pinches out and swings to the south, parallel to the wall of the dike. The dike is very fine-grained, dark green to almost black, and contains very narrow veinlets of asbestos. Along the fractures there is serpentization. The dike rock is quite magnetic. A sample, EAM C-11, has been forwarded to the Bureau of Mines in Albany for identification of the magnetic mineral. It does not appear to contain any magnetite. This magnetism explains the difficulty which has been encountered in obtaining compass readings.

Assay results of samples taken previously in the drift are as follows:

Sample EAM-22. Taken across mineralization in face of drift 32 feet west of USBM 280. Chip sample 3.5 feet in length including 0.3 feet of solid sulfides on hanging wall and 0.1 feet on footwall; altered granodiorite in center containing sparse sulfides.

Gold	-	trace
Silver	-	2.70 oz. per ton
Copper	-	3.23%
Lead	-	nil
Zinc	-	0.79%
Tungsten	-	nil

Sample EAM-B25. Channel sample in back of drift 56 feet west of USBM 280. Sample 2.5 feet across mineralized zone.

Gold	-	trace
Silver	-	0.48 oz. per ton
Copper	-	2.12%

Sample EAM-21. A grab sample from stockpiled ore at lower tram terminal. Represents about 15 tons taken from drift from 20-30 feet west of USBM 280.

Gold	-	trace
Silver	-	1.28 oz. per ton
Copper	-	2.63%
Lead	-	nil
Zinc	-	0.84%
Tungsten	-	nil

One 35-ft. long hole has been drilled by the Operator. This hole is in the east wall of the crosscut about 11 feet S. 55° E. from USBM 280. The hole is horizontal with a bearing of N. 5° E. The log as taken from the Operator's notes is as follows:

0.0	to	6.0'	Granodiorite
6.0	to	6.6	Sulfides and calcite
6.6	to	8.6	Granodiorite
8.6	to	9.8	Iron stain and calcite
9.8	to	13.5	Granodiorite
13.5	to	13.7	Iron stain and calcite
13.7	to	23.5	Granodiorite
23.5	to	27.0	Sulfides and calcite
27.0	to	35.0	Granodiorite

The sample of the drill cuttings from 23.5 to 27.0 was taken for assay (Sample EAM C-10).

The status of the contract work as of September 3, 1958, is as follows:

Date of contract: March 19, 1958
Termination date: November 19, 1958
Amount of contract: $11,620.00
Amount spent: 2,980.00 (thru July 1958)

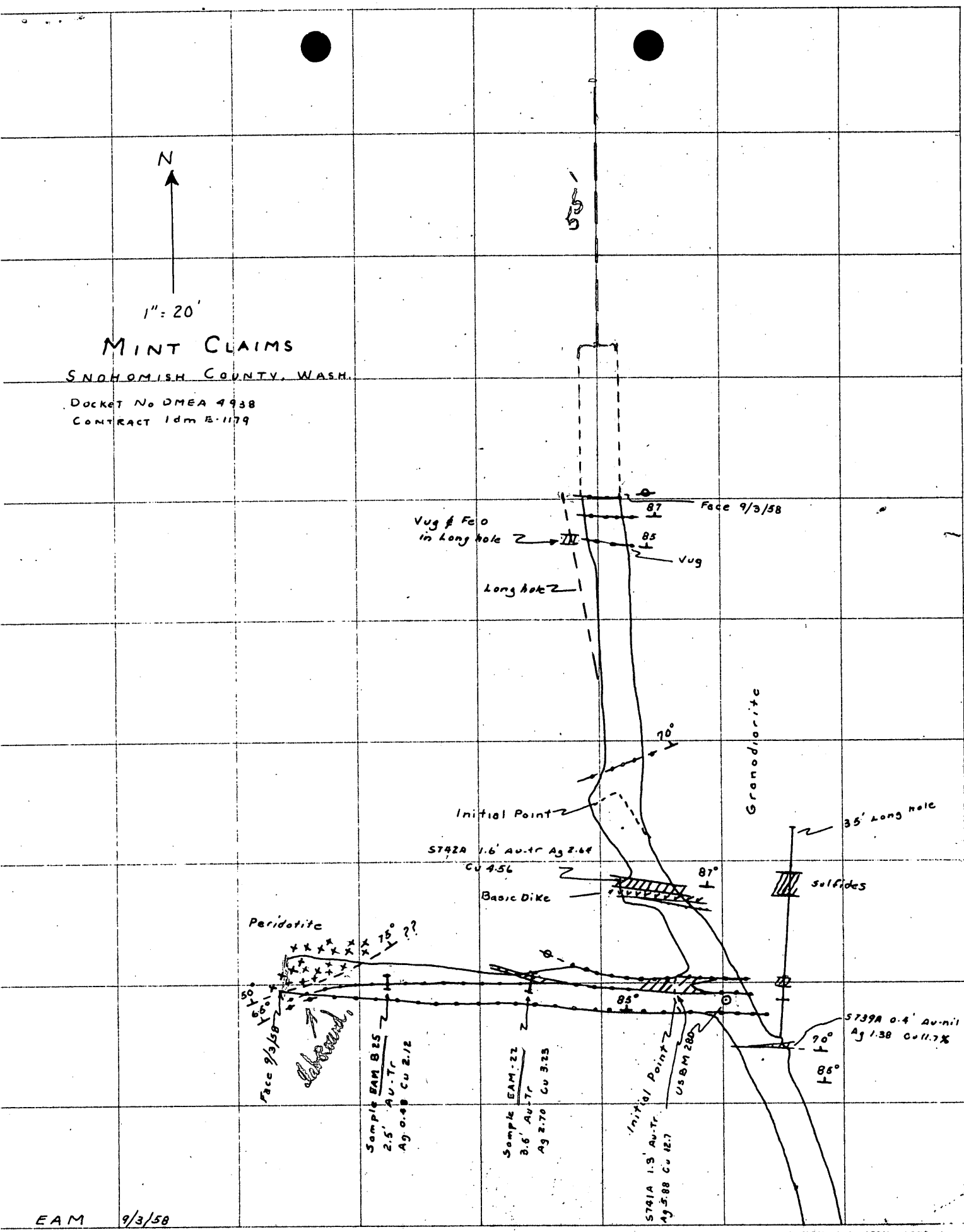
	Authorized	Completed
Drifting and crosscutting	300 ft.	102 ft.
Timbering	200 ft.	0 ft.
Long hole drilling	250 ft.	35 ft.
Initial repairs:		
Compressor	$100	$100
Tramway	$300	$300
Compressor building	$100	$100

If the crosscut and the long hole to be drilled from it fails to intersect significant mineralization, then it is suggested that the contract be amended to allow the remaining footage to be used for drifting on the two structures which were previously intersected in the crosscut. The present drift should be extended further to determine the relationship of the peridotite to the mineralization. If the long hole northward off the end of the drift, which the Operator is now drilling, determines that the peridotite is narrow, it would be interesting to see if the mineralized structure followed in the drift can be picked up on the west side of the peridotite. The mineralized structure in the drift is of sufficient grade and size to warrant additional exploration.

Attachment

E. A. Magill

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



EAM 9/3/58

J. A. Gendron Co., Spokane

"ALBANENE" No. 188M K&E CO., N.Y.
REG. U.S. PAT. OFF

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 7 1958

DATE	INITIALS	CODE

FILE COPY
DMEA
SEP 18 1958

DMEA Field Team, Region I September 11, 1958

DMEA Certifying Officer, Region I

Robert T. Curtiss, Contract Idm-E1170
Monthly operating report for August 1958

		CODE
9/18	C	220
9/18	Dep	500

The subject monthly operating report has been processed and forwarded to the Disbursing Officer for payment.

The Operator has claimed 50 feet of drifting and 56 feet of crosscutting as of August 31, 1958. However, the examining engineer's interim inspection report states "50 feet of drifting has been completed and the crosscut advanced 52 feet as of August 31." We have, therefore, deleted 4 feet of crosscutting at $31.00 per foot or $124.00.

Dorothy F. Long

cc: DMEA (2)
USGS (2)
Contract Admin. & Audit Div. (2)
EAM
AD

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

Budget Bureau No. 42-R1036.5

RECEIVED SEP 18 1958 D.M.E.A.

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

Month of Aug., 1958 Docket No. DMEA 4938 Contract No. Adm-E 1179
Operator's Name Robert T. Curtiss Minerals copper
Address Route 1 Box 156 Monroe Wash.
Contract Amount, $ 11620.00 Government Participation: 50 % Amount, $ 5810.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:				9/25/58		
Drilling	35.00		35.00	35.00	—	35.00
Bulldozing						
Crosscutting	806.00	930.00	1736.00	682.00	930.00	1612.00
Drifting		1550.00	1550.00		1550.00	1550.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		400.00	400.00		500.00	500.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		100.00	100.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	841.00	2980.00	3821.00	717.00	2980.00	3697.00

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

Date Sept. 4 *Payee Robert T Curtiss

Per Robert T Curtiss Title Operator

*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:

358.50

$ 358.50

Signature Dorothy F. Long (Authorized Certifying Officer)

Date 9/11/58 Vou. No. 2219

(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. 1179 in accordance with the terms of the contract.

Signature Elmer A. Magill Title Mining Engineer Date Sept 8, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec Officer Date Sept 11, 1958

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED SEP 18 1958 D.M.E.A.

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

Month of Aug 1958 Docket No. DMEA 4938 Contract No. DE 1179
Operator's Name Robert T Curtis
Minerals Copper
Address Route 1 Box 156 Monroe Wash.

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	XT.			1550.00	50	31.00	225	31.00
Crosscutting		~~806.00~~ 682.00	~~26~~ 22	~~1736.00~~ 1612.00	56.52	31.00	75	31.00
Raising								
Shafts								
Winzes								
Drilling: Core	XT.	35.00	35	35.00	35	1.00		1.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		717.00 ~~844.00~~		3197.00 ~~3321.00~~				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				500.00				
New Buildings, Improvements, etc.								
Total Costs		717.00 ~~844.00~~		3697.00 ~~3821.00~~				

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

Date Sept 4 Operator Robert T Curtis
Per Robert T Curtis Title Operator

Remarks:

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

(Instructions on reverse)

(For Government use only)

/s/ Elwin A. Magill

INSTRUCTIONS

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

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

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

GPO 872894

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 18 1958

DATE	INITIALS	CODE

Robert T. Curtiss
Monroe, Wash
Sept. 4 1958

United States
Department of the Interior
D.M.E.A.
Se. 157 Howard street
Spokane4, Wash.

Dear Sir;

Re. Docket no. D.M.E.A. 4938
Contract no. IDM-E 1179
Snohomish County, Wash.

In the mounth of Aug. cross cut was advanced 26 feet at wich point several smalll closely spaced shears were intersected carrying carrying considerable amount of calcite. No mineralization was observed with out use of a hand lens.

This shearing occurres across a width of about five feet.

The intersection of long hole drilled in 1956 is about ten feet SMouth East of the cross cut face and on the strike of exposed shearing.

The attached log of drill hole is from long hole drilled from north west side of the cross cut and was to give information on one of the shears in whith no drifting has been done.

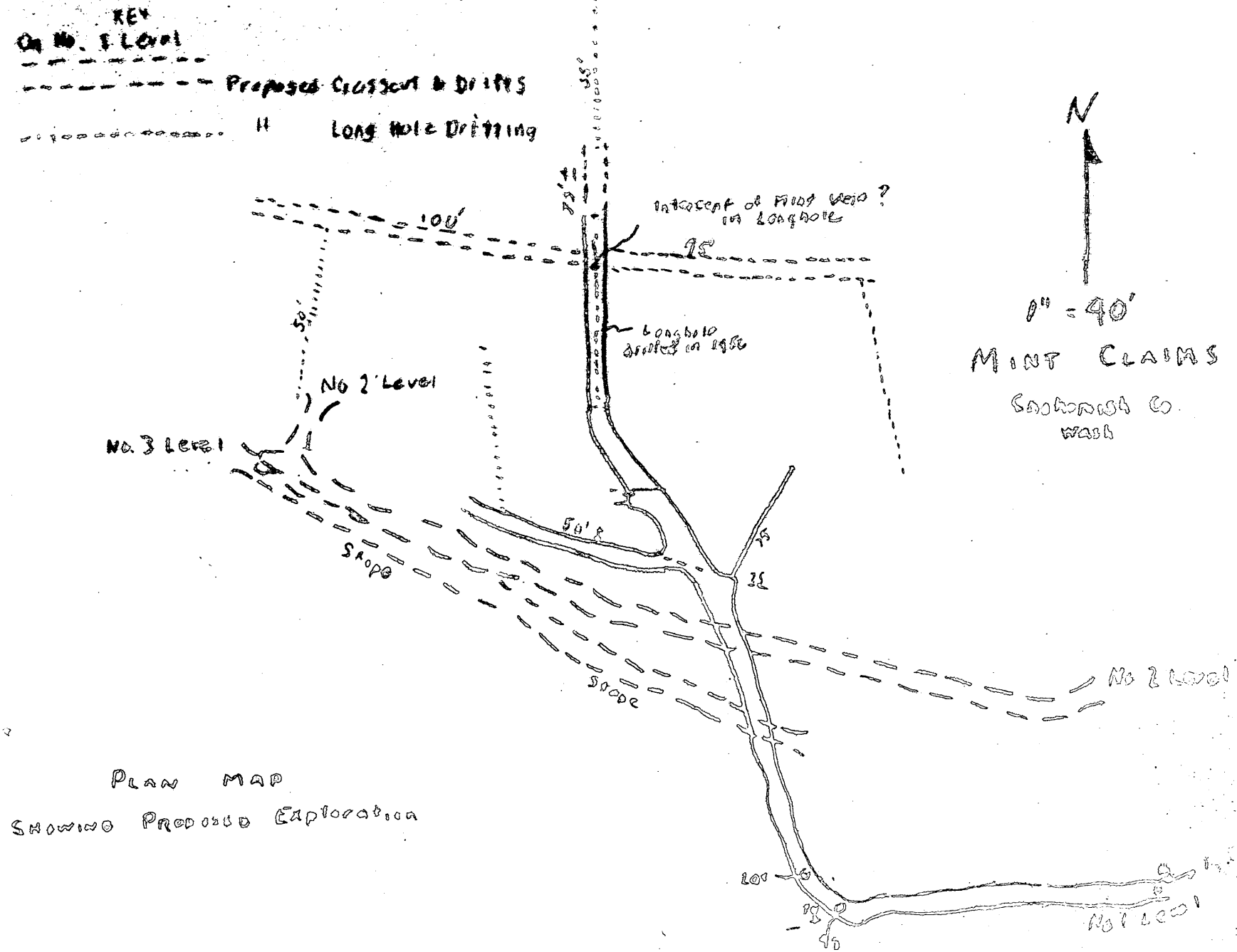
Respectfully, submitted
Robert T Curtiss

9-4-58

D. M. E. A. [redacted] 4938

Long Hole Log

0-6 feet Granodiorite
6-6.6 feet Sulfides and calcite
6.6-8 feet Granodiorite
8-9.2 feet Iron oxide and calcite
9.2-23.5 feet Granodiorite
23.5-27 feet Sulfides and calcite
27-35 feet Granodiorite



PLAN MAP

SHOWING PROPOSED EXPLORATION

Robert T Curtiss
OMBA- 4938

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1958 Docket No. DMEA 4938 Contract No. Idm-E 1129
Operator's Name Robert T. Curtiss Minerals Copper
Address Route 1 Box 156 Monroe Wash.
Contract Amount, $ 11620.00 Government Participation: 50 % Amount, $ 5810.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:				8/27/58		
Drilling						
Bulldozing						
Crosscutting	930.00		930.00	930.00	—	930.00
Drifting	589.00	961.00	1528.00	589.50	961.00	1550.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		400.00	400.00		500.00	500.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		100.00	100.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1528.00	1461.00	2958.00	1519.00	1461.00	2980.50

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Aug. 12, 1958 *Payee Robert T Curtiss
Per Robert T Curtiss Title Operator

*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:

$ 759.50

Signature Dorothy F. Long
(Authorized Certifying Officer)
Date 8/21/58 Vou. No. 22019
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-119 in accordance with the terms of the contract.

Signature /s/ Edwin A. Maguire Title Mining Engr. Date Aug. 18, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Donald R. Mac Laren Title Exec. Officer Alternate Date Aug. 20, 1958

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED AUG 25 1958 D.M.E.A.

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1958 Docket No. DMEA 4938 Contract No. ~~[illegible]~~ E 1179

Operator's Name Robert T Curtis Minerals Copper

Address Route 1 Box 156, Monroe Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	FT.	589.00	19	1550.00	80	31.00	300	31.00
Crosscutting		930.00	30	930.00				
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1519.00 ~~1525.00~~		2480.00 ~~2456.00~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				500.00				
New Buildings, Improvements, etc.								
		1519.00		2980.00				
TOTAL COSTS		~~1518.00~~		~~2956.00~~				

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

Date Aug. 12 Operator Robert T Curtis

Per Robert T Curtis Title Operator

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

REMARKS:

(Instructions on reverse)

(For Government use only)

/s/ Stephen W. Zoldok
Aug. 19, 1958

INSTRUCTIONS

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

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

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

GPO 872894

Mr. Robert T. Curtiss
Rt. 1, Box 196
Monroe, Washington

United States Department Of The Interior
Defense Minerals Exploration Administration
Po. 187 Howard Street, Spokane 6, Washington

Dear Sirs:

re. Project no. DMA 4030
Contract no. DMA-T 1179
Snohomish Co. Washington

At time of last report face of drift had been advanced thirty one ft. and contained one massive streak of chalcopyrite 20 thick with a structure developing about center of the drift, this structure developed in the 10' driven to about 5ft in width of ore below shipping grade but containing heavy carnants of chalco in a quartz gangue.

At this point the ore has been cut off by a post mineral dike which cut the vein at about 35° angle and dips directly to the left. Test holes were drilled thru part of the dike and core in sulphides no apparently the ore continues on strike beyond the dike.

As this terminated the footage under the present contract the work has been stopped in the drift at this point, and until the cross cut is completed to the original target after which yield form examination may indicate that the drift should be extended.

The 2" massive seam of chalco present in the face at the beginning of this last footage may be on the hanging side but will be picked up in the long hole to be drilled from the present face.

Respectfully Submitted,

Robert T Curtiss

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

July 28, 1958

DATE	INITIALS	CODE
8/4	J.S.	225
4	[illegible]	100
"	[illegible]	110
8/5	[illegible]	800
		500

MEMORANDUM

To: DMEA Field Team Region I

From: Howard F. Albee, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report, Docket No. DMEA-4938 (Copper), Robert T. Curtiss, Mint claims, Snohomish County, Washington, Contract Idm-E1179

The property was visited July 23, 1958. Mr. Norman Chapman, foreman and miner, and two muckers were at the mine. Since the beginning of the work the tramway, compressor, and compressor building have been repaired and approximately 50 feet of drifting and crosscutting have been driven.

The west drift has followed two essentially parallel veins (fig. 1), that contain abundant chalcopyrite and lesser amounts of galena and sphalerite. The material between the veins is largely altered quartz diorite that, in places, contains sparsely disseminated sulfides. The face between the veins shows many randomly oriented fractures with from 1 inch to 3 inches of gouge. Between the fractures the rock shows varying intensities of kaolinitic alteration that range from strongly altered to relatively fresh material.

The altered rock bordered by the two veins cannot be described as one composite vein, inasmuch as the two bordering veins have convergent dips downward, unless the difference in dips is the reflection of a local roll on one or the other of the veins.

The drift to the north had been advanced only three rounds and had penetrated no structures.

Attachment
Distribution:
DMEA (~~3~~ 4)
USBM (2)
USBM(AD)
Docket
Albee

United States
Department of the Interior

Prepared for
Defense Minerals Exploration Administration
Interim Inspection Report

Docket No. DMEA 4938

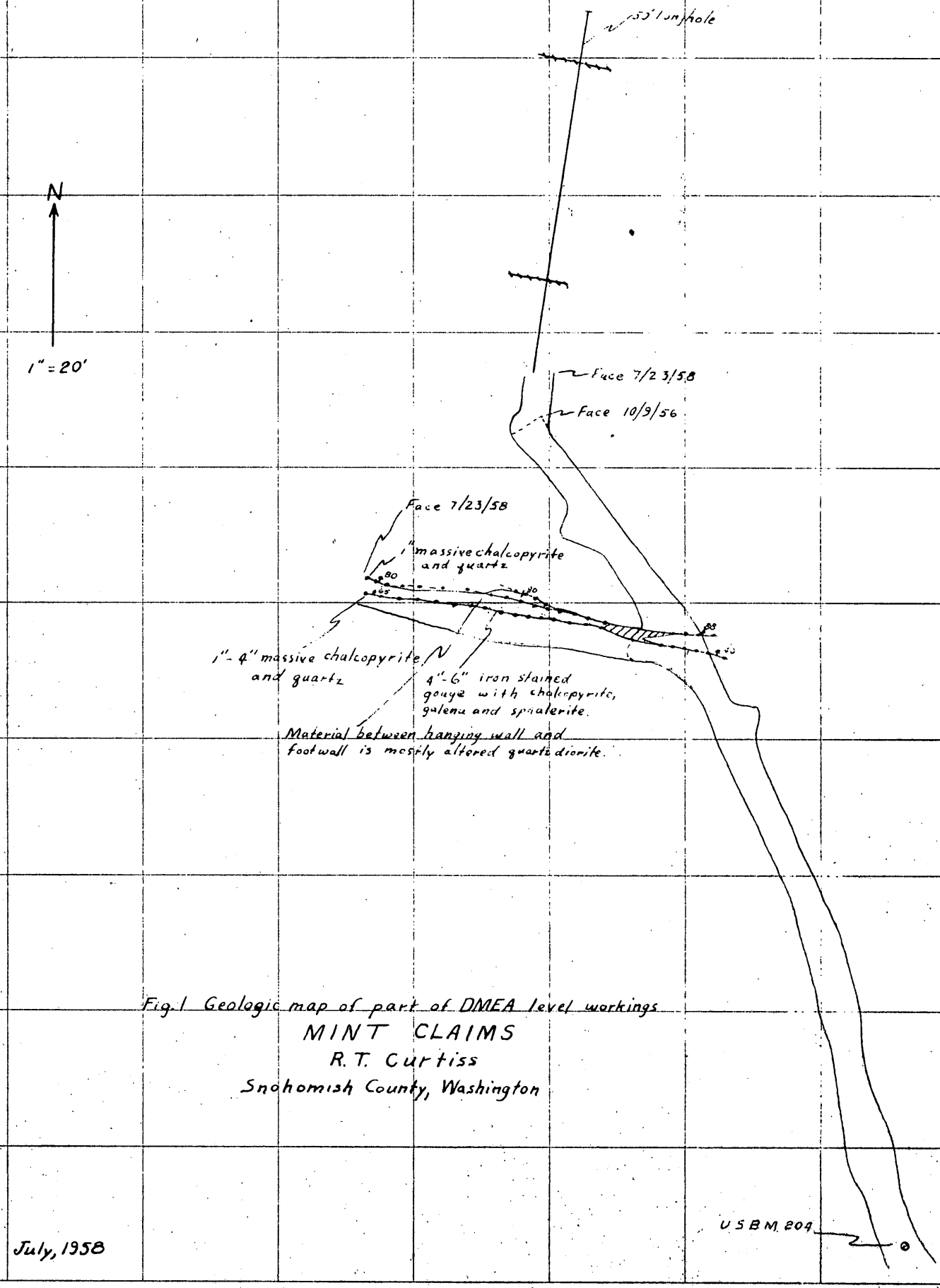


Fig. 1 Geologic map of part of DMEA level workings
MINT CLAIMS
R.T. Curtiss
Snohomish County, Washington

H.F. Albee July, 1958

"ALBANENE" No. 196M K&E CO., N.Y.

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 4 1958

DATE	INITIALS	CODE

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

Budget Bureau No. 42-R1036.5

RECEIVED JUL 28 1958 D.M.E.A.

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

Month of June, 1958 Docket No. DMEA 4933 Contract No. 70m-E1179
Operator's Name Robert T. Curtiss Minerals Copper
Address Route 1 Box 156 Monroe Wash.
Contract Amount, $ 11620.00 Government Participation: 50 % Amount, $ 5810.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling				8/2/58		
Bulldozing						
Crosscutting						
Drifting	961.00		961.00	961.00	—	961.00
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs		400.00	400.00		500.00	500.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		100.00	100.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	961.00	500.00	1461.00	961.00	500.00	1461.00

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 10, 1958 *Payee Robert T Curtiss
Per Robert T Curtiss Title Operator

*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:

$ 480.50

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 7/22/58 Vou. No. 2201

(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. Ra1179 in accordance with the terms of the contract.

Signature /s/ Edwin A. Magiel Title Mining Engineer Date July 14, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Weissenborn Title Exec. Officer Date July 22, 1958

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

RECEIVED
JUL 28 1958
D.M.E.A.

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

Month of June 1958 Docket No. DMEA 4938 Contract No. Idaho-E 1179
Operator's Name Robert T Curtiss Minerals copper
Address Route 1 Box 156 Monroe Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft	961.00	31	961.00	31	31.00	300	31.00
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		961.00		961.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				500.00				
New Buildings, Improvements, etc.								
Total Costs		961.00		1461.00				

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

Date July 10 Operator Robert T Curtiss
Per Robert T Curtiss Title Operator

Remarks:

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

(Instructions on reverse)

(For Government use only)

s/ Elevin A. Mogill

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

Robert T Curtiss
Route 1 Box 156
Monroe, Wash.

RECEIVED
BUREAU OF MINES
JUL 15 1958
SPOKANE, WASH.

US Dep Tof the Interior.
D. M. E. A.
1201 N. Divison st.
Spokane, 2 Wash.

Dear Sir;

Re. Contract no. Idm-6 1179
Docket no. 4838
Snohomish Co. Wash.

The face of the drift at the time work was started contained a few inches of chalcopyrite on the hanging wall at the intersection of a flat lying structure two inches wide which cut across the face of the drift.

As the drift advanced this flat lying structure became gradualy steeper and the shear started to show evidence of more movement by considerable amount of slickensides and the developement of seams of talc.

After fifteen foot work had been driven the shear had opened to about thirty inches in width containing several inches of chalcopyrite on the hanging wall in a quartz and calcite gangue, this ore under a black light showed interesting amounts of sheelite. Adjacent to this ore was a copper mineralization twelve inches in width in quartz calcite gangue and which is carrying considerable amounts of lead and zinc. On the foot wall side the gangue is a highly altered nearly white granite with a heavy concentration of pyrite or arsenopyrite about eighteen inches in width. From this point the shear tightened and the face at present has an eight inch seam of massive chalcopyrite with a structure developing about center of the drift three inches wide carrying chalcopyrite.

Respectfully yours
Robert T. Curtiss

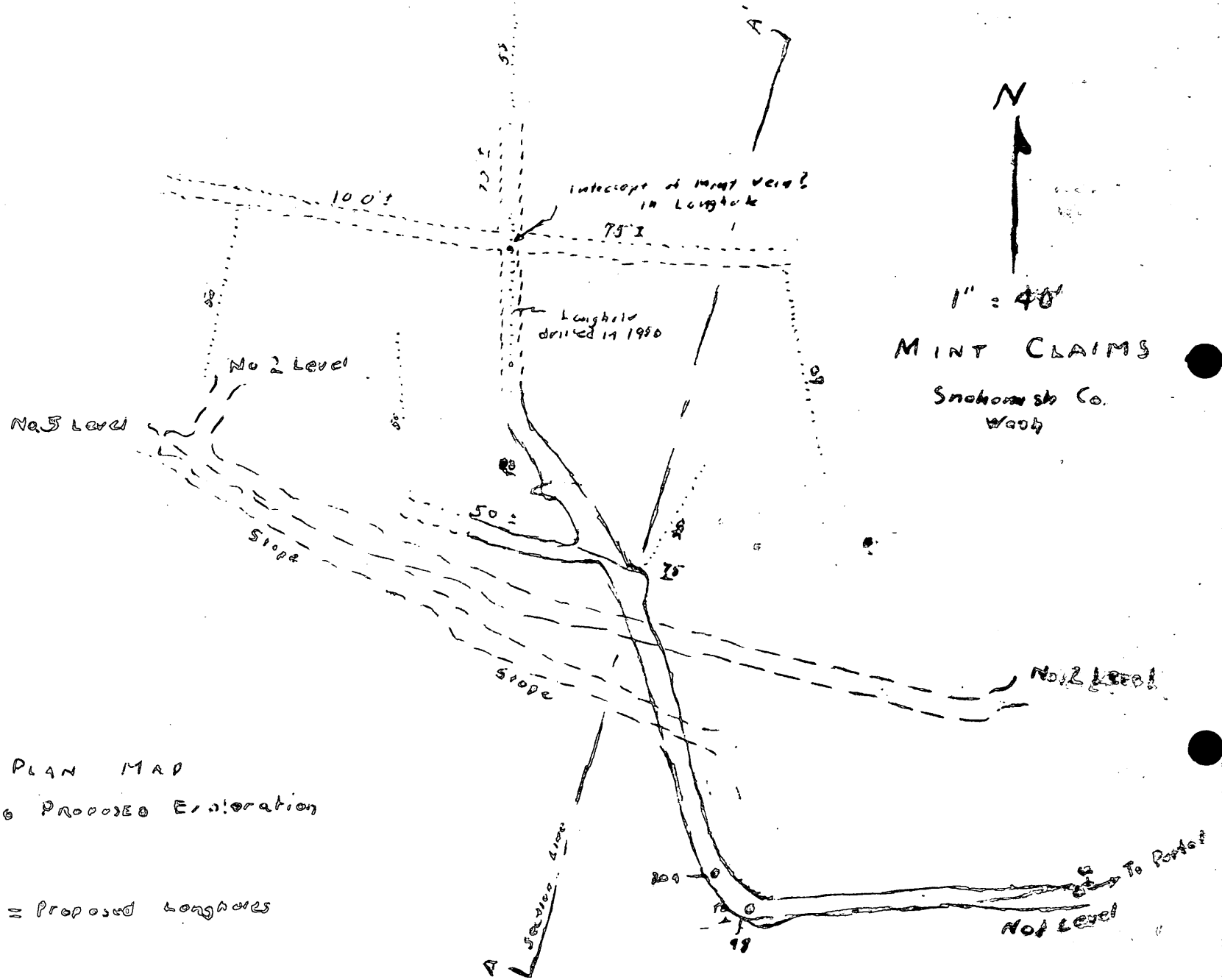

N
1" = 40'
MINT CLAIMS
Snohomish Co.
Wash
100'
75'
Intercept of mineral vein in Longhole
Longhole drilled in 1950
No 2 Level
No 5 Level
Slope
Slope
50
75
No 2 Level
No 1 Level
To Portal
Section Line
A
A
PLAN MAP
showing PROPOSED Exploration
.... = Proposed Longholes

FIGURE I

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington

July 14, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 4 1958

		CODE
8/4	H. G.	225
4		100
"		110
8/5		800
		500

MEMORANDUM

To: DMEA Field Team, Region I

From: E. A. Magill, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Docket No. DMEA-4938 (copper), Robert T. Curtiss, Mint Claims, Snohomish County, Washington, Contract No. Idm-E1179

A visit was made to the property on July 8, 1958. Mr. Robert Curtiss, the Operator, was present.

Since the last inspection on May 14, the Operator has completed repairs to the tramway, compressor, and compressor building. On July 8 he was in the process of tramming down ore and stockpiling it at the lower tram terminal. The ore had come from the last few rounds in the west drift. A grab sample, EAM-21, was taken from the 15+-ton stockpile at the lower tram terminal. The sample consisted of altered granite containing blebs and disseminations of chalcopyrite, galena, sphalerite and scheelite.

The Operator has equipped the tram with a gasoline engine-powered drum about which are placed several turns of the haulback line. This makes it possible to pull up loads without lowering a loaded bucket.

Underground the Operator has concentrated on advancing the drift (see attached sketch) to the westward on the structure which is 92 feet north of USBM 204. He has advanced this drift 26 feet. In the face the principal structure is from 4 to 6 inches in width and contains practically solid chalcopyrite, galena and sphalerite with a minor amount of quartz. The sulfides also occur disseminated in the altered granite on either side of the vein. A subsidiary structure, dipping 55° N., intersects the main vein in the face. A chip sample, EAM-22, 3.5 feet in length, was cut across the face including the two structures. The altered granite between the two structures appeared to be quite sparsely mineralized and will undoubtedly keep the sample average low. In the back, about 15 feet from the face, the rock between the two structures is well mineralized. The fact that galena and sphalerite occur in equal amount to the chalcopyrite is interesting and quite in contrast to the upper workings where the principal mineralization is chalcopyrite and bornite. A small quantity of scheelite was also noted under the mineralite.

It was suggested to the Operator that he should make every effort to advance the main crosscut to determine if the Iowa vein lies ahead.

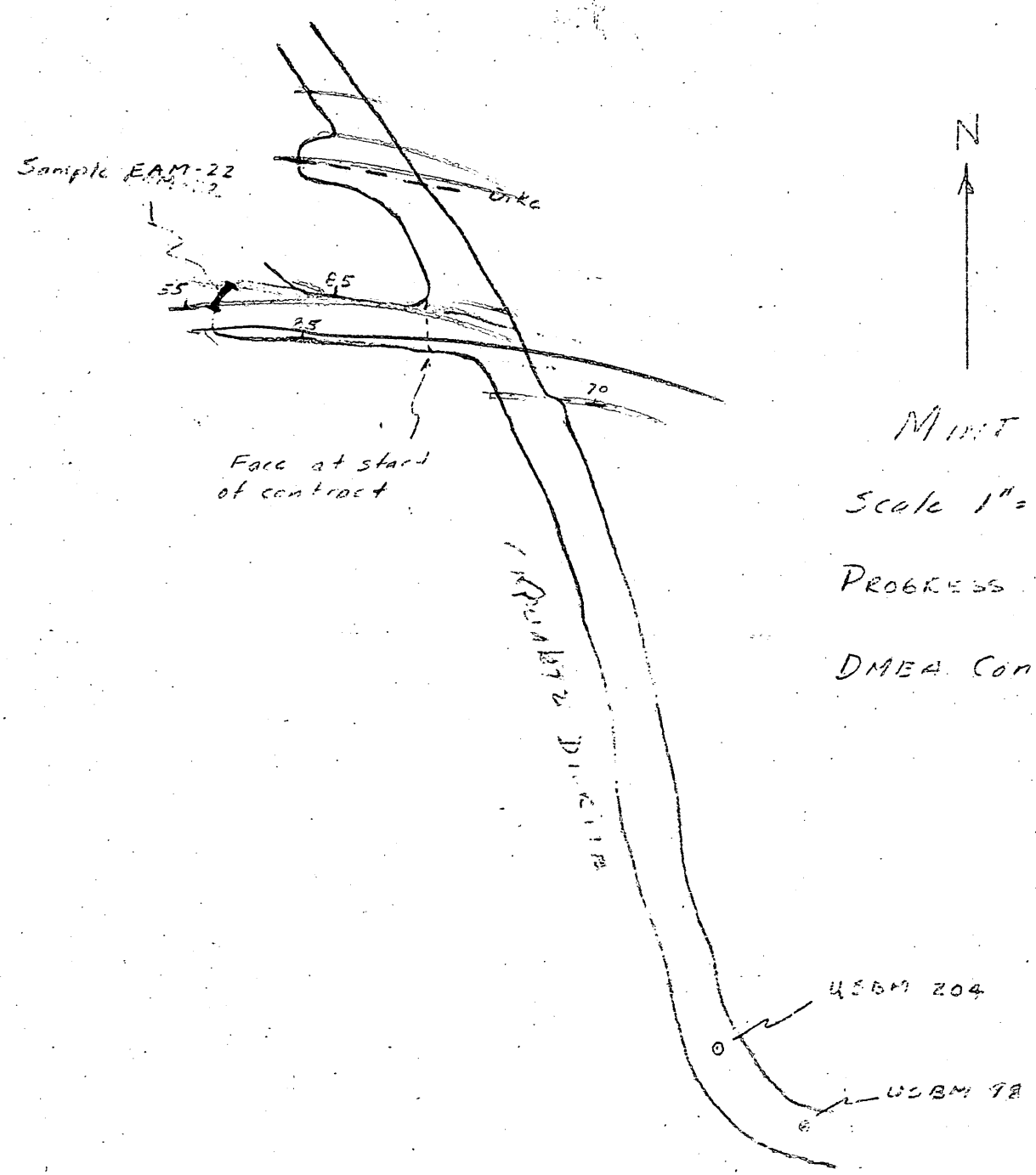
The status of the contract as of July 8, 1958, is as follows:

Date of contract: March 19, 1958
Termination date: November 19, 1958
Amount of contract: $11,620.00
Amount spent: 1,306.00

	Authorized	Completed
Drifting and crosscutting	300 ft.	26 ft.
Timbering	200 ft.	none
Long hole drilling	250 ft.	none
Initial repairs:		
Compressor	$100	$100
Tramway	$300	$300
Compressor building	$100	$100

E. A. Magill

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



N

MINT CLAIMS

Scale 1" = 20' 7/8/58

PROGRESS MAP

DMEA Contract Nm E 1179

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 4 1958

DATE	INITIALS	CODE

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

Budget Bureau No. 42-R1036.5

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

RECEIVED JUN 16 1958 DMEA

Month of May 1958 Docket No. DMEA 4938 Contract No. Idm-E 1179
Operator's Name Robert T Curtiss Minerals copper
Address Route 1 Box 156 Monroe Wash.
Contract Amount, $ 11620.00 Government Participation: 50 % Amount, $ 5810.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling				7/2/58 OK		
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs	400.00		400.00	500.00	—	500.00
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	100.00		100.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	500.00		500.00	500.00		500.00

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

Date June 5 *Payee Robert T Curtiss

Per Robert T Curtiss Title Operator

*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:

$ 250.00

Signature Dorothy F. Long
(Authorized Certifying Officer)

Date 6/10/58 Vou. No. 2180
(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. 6 1179 in accordance with the terms of the contract.

Signature Elmer A. Magill Title Mining Engineer Date June 9, 1958

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ A. E. Wissenborn Title Exec. Officer Date June 10, 1958

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.

MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED JUN 16 1958 D.E.M.E.A.

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

Month of May 1958 Docket No. DMEA 4938 Contract No. Idm-E 1179
Operator's Name Robert T Curtiss Minerals Copper
Address Route 1 Box 156 Monroe Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs		500 00		500 00				
New Buildings, Improvements, etc.								
TOTAL COSTS		500 00		500 00				

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

Date June 5 Operator Robert T Curtiss
Per Robert T Curtiss Title Operator

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

O.W.E.A.
1201 N. Division St.
Spokane 2 Wash.

Dear Sir;

Re- Docket no. O.W.E.A. 4138
Contract no. Ida-6-119
Stabilization project

Work under above contract started first day of May.

Acid Trom anchors were replaced, and all lines replaced and Tensioned ready for operation.

Power plant and compressor were partly over hauled and required parts replaced ready to be operated.

Compressor building has been repaired sufficient to take care of the equipment for this season.

Some minor repairs on track and Vertipac remain to be done before drilling starts which should be about the end of June.

Sincerely yours
[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1201 N. Division St.
Spokane 2, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 9 1958

DATE	INITIALS	CODE
6/9	C	220
9	Com	100
"	[illegible]	110
6/10	[illegible]	800
~~6/12~~	~~[illegible]~~	~~500~~

May 28, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: E. A. Magill, Mining Engineer, Bureau of Mines

Subject: Initial inspection, Docket No. DMEA-4938 (copper), Robert T. Curtiss, Mint Claims, Snohomish County, Washington, Contract No. Idm-E1179

A visit was made to the property on May 13 and 14, 1958, in company with Howard Albee, geologist, U. S. Geological Survey. Mr. Robert Curtiss, the Operator, was on the property at the time of the visit. In order to determine the exact relationship of the lower crosscut (No. 1 level) and levels No. 2 and 3 a transit tape survey was made of the lower workings and carried up the hill to the upper workings.

Mr. Curtiss had started work under the contract on April 26, 1958. At the time of the visit he had completed rehabilitation of the cabins and was working on repair of the tramway and compressor shed at the portal. It is necessary that he replace the upper anchor bolts of the tram line. Snow had partially broken down the building housing the compressor. As soon as the necessary repairs have been completed, Mr. Curtiss plans to start the underground work.

The transit survey checked out very closely with the map accompanying the final report for the previous contract (Idm-E417) except for the location of the portal and bearing of No. 3 level. The transit survey placed the portal of No. 3 level N. 30° E., 12 feet from the location shown on the map. The bearing of No. 3 level is N. 47° W. for the first 40 feet at which point it is caved. This 40 feet has been driven on a branching vein which intersects the main vein at about the 50-foot mark. The intersection of the two veins has caused the cave. The main vein has a bearing of approximately N. 65° W. The difference in track elevation between No. 1 and No. 3 levels is 336 feet.

The portal of No. 2 adit is now caved. It is unfortunate that the survey could not be carried farther into the upper workings to determine exactly the bearing and dip of the vein; however, it is believed that the existing map is substantially correct. A list of survey points with their latitudes, departures, and elevations is attached to this memorandum.

The initial point for the start of the contract in the main crosscut is 132 feet north of USBM station No. 204 as measured down the center of the track. The initial point for the west drift is 10 feet from the center of the track. The Operator was requested to drill plugs in the back so that stations could be placed closer to the face.

The status of the contract as of May 14, 1958 is as follows:

Date of contract: March 19, 1958
Termination date: November 19, 1958
Amount of contract: $11,620.00
Amount spent: No payments to Operator to date

	Authorized	Completed
Drifting and crosscutting	300 feet	0
Timbering	200 "	0
Long hole drilling	250 "	0
Initial repairs		
Compressor	$100	0
Tramway	$300	partial
Compressor building	$100	"

E. A. Magill

Attachment

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

COORDINATES AND ELEVATIONS OF SURVEY STATIONS
MINT CLAIMS, SNOHOMISH COUNTY, WASHINGTON

No. 1 Level Station	Latitude	Departure	Elevation	Remarks
A	5024.10	10219.84	2493.91	Dump No. 1 level
B	5009.36	10186.13	2500.00	Nail in back 9' inside portal
C	5004.31	10163.92	2500.07	In back
D	5009.53	10145.81	2494.15	Tie
E	5000.32	10126.04	2494.40	Tie
F	4992.77	10083.00	2495.23	Tie
G	4948.41	10052.32	2497.06	
H	4880.85	10027.42	2497.68	Opposite Sta. 202
I	4823.09	10012.70	2504.61	Nail in back at turn
J	4812.36	9973.62	2498.84	
K	4811.82	9936.06	2499.08	Tie
USBM 77	4799.61	9893.11	2505.59	Back
USBM 98	4791.85	9801.39	2507.49	Back
USBM 204	4801.65	9791.30	2507.74	Back
O	4878.00	9763.29	2501.77	Tie
Face	4918.07	9732.56		

Surface	Latitude	Departure	Elevation	Remarks
1	5062.68	10128.51	2530.18	
2	5000.00	10000.00	2657.54	
3	4972.85	9942.91	2704.64	
4	4877.62	9873.98	2781.47	
5	4853.91	9881.31	2784.21	Portal No. 2 level S. 57° W., 12' from Sta. 5
6	4843.61	9822.76	2829.41	Dump No. 3 level
7	4850.28	9796.89	2833.82	Portal No. 3 level
8	4874.47	9766.97	2835.14	Nail in back inside No. 3 level

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DMEA
DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

May 20, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: Howard F. Albee, Geologist, U. S. Geological Survey

Subject: Interim Inspection Report, Docket No. DMEA-4938 (Copper), Robert T. Curtiss, Mint Claims, Snohomish County, Washington, Contract No. Idm-E1179

The project was inspected May 13, and May 14, 1958, in company with E. A. Magill, Mining Engineer, U. S. Bureau of Mines.

The starting date of the contract was May 1, 1958. An early visit to the property was desirable in order to make a surface and underground transit survey for control between the veins in the upper workings and the present heading in the lower level.

The Operator was making initial repairs on the compressor building and tramway at the time of the inspection.

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DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
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Spokane 2, Washington

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May 9, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: E. A. Magill, Mining Engineer, Bureau of Mines

Subject: Docket No. DMEA-4938 (copper), Robert T. Curtiss, Mint Claims, Snohomish County, Washington, Contract No. Idm-E1179

Robert Curtiss telephoned on May 7, 1958 to say that he had been able to start work under the subject contract on April 26, 1958.

Initial work consisted of repairs to tram and compressor building. It is necessary to replace the anchors at the upper end of the tram. Snow has done considerable damage to the shed housing the compressor and it has to be partially torn down and rebuilt. The Operator has also repaired and added to the living quarters at the mine.

As soon as the necessary repairs are completed Mr. Curtiss plans to begin the underground work. A visit to the property is scheduled for the near future to measure up the heading. It is also proposed to make a transit survey from the upper workings to the crosscut heading in order to determine the exact location, in relationship to the stopes in the upper workings.

E. A. Magill

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