DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of Base Metals

Report Period through December 31, 1957.

DMEA No.	Operator	Contract No.
1526	Vermont Copper Co. (now Appalachian Sulphides)	IGM-E94

ORE ESTIMATES

	Tons	Analysis
DMEA	90,000	2.5% Cu
Operator to date	90,000	
Total	180,000	
Production to date	180,000	
Ore in ground	None	Mine Shut down & Abandoned

INVESTMENT

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts	8'x8'		1,850	75,000
Raises	4'x9'		1,600	40,000
Drilling	Type			
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

Mine Abandoned for lack of Ore.

Prepared by W. H. Klugescheid Date 3/12/58

31398

DEFENSE MINERALS EXPLORATION ADMINISTRATION
For the period January 1 - June 30, 1957

Base Metals Division Date **February 13, 1958**

Semi-Annual Report - Certified Project Date

DMEA No. **1526** Operator **Vermont Copper Co.** Contract No. Idm-E94

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	90,000	
Increase (Operator)	90,000	Cu. 2.5
Total	180,000	
Decrease (Production)	174,000	
Net Available	6,000	

Investment

Shafts

Size	Feet	Cost

Winzes

Size	Feet	Cost

Drifts & Crosscuts

Size	Feet	Cost
8' x 8'	1,850	$75,000.00

Raises

Size	Feet	Cost
4' x 9'	1,600	$40,000

Drilling

Type & Size	Feet	Cost

Rehabilitation

Description	Cost

Facilities

Mine Plant

Description	Cost

Mill

Description	Cost

Roads

Description	Cost

Remarks

W. R. Griswold/er

100338

DEFENSE MINERALS EXPLORATION ADMINISTRATION

For the Period January 1, 1956 thru June 31, 1956

Base Metals Division Date October 24, 1956

Semi-Annual Report - Certified Project Date October 5, 1956 (By Mr. Mittendorf)

DMEA No. 1526 Operator Vermont Copper Company (Now Appalachian Sulphides Co.) Contract No. Idm-E 94

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)	90,000	3% Cu.
Total	180,000	3% Cu.
Decrease (Production)	174,000	3% Cu.
Net Available	6,000	3% Cu.

Investment

Shafts

Size	Feet	Cost

Winzes

Size	Feet	Cost

Drifts & Crosscuts

Size	Feet	Cost
8'x8'	1,850'	$75,000.00

Raises

Size	Feet	Cost

Drilling

Type & Size	Feet	Cost

Rehabilitation

Description	Cost

Facilities

Mine Plant

Description	Cost

Mill

Description	Cost

Roads

Description	Cost

Remarks

Surface and airborne geophysical surveys, soil analyses and diamond drilling estimated cost of $75,000.00. This work did not discover any ore. Mine has more or less another year to operate and when it is shut down it will be quite a blow to the economy of the vicinity. Mill heads for August averaged 1.3% Cu. Milling 23,000 tons per month. Some of the mill may be dismantled and moved to the Ore Knob Mine in North Carolina. Cost of a 350 ton mill on the Ore Knob (except primary crusher) $514,000.00.

W. P. Klugescheid/er

200338

DEFENSE MINERALS EXPLORATION ADMINISTRATION

To January 1, 1956

Base Metals Division Date June 22, 1956

Semi-Annual Report - Certified Project Date December 31, 1955

DMEA No. 1526X Operator Vermont Copper Company (Now Appalachian Sulphides Co.) Contract No. Idm-E 94

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)	Not available at present	
Total		
Decrease (Production)	Total to date is unknown	
Net Available		

Investment

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

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

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

The entire royalty due has been paid off. Mine is and has been operating steadily ever since the project was completed.

SEMI-ANNUAL REPORTS OF CERTIFIED PROJECTS

Reporting Period June 30 to Dec. 31, 1957 **Date of Examination** Sept. 1957

Operator Appalchian Sulphides, Inc. (formerly Vermont Copper Co.)

Mine Name Elizabeth Mine

County and State Orange County, Vermont

Docket No. and Commodity — DMEA - 1526X (copper)

Contract No. — IdmE 94

OFFICIAL FILE COPY DMEA RECEIVED JAN 9 1958		
DATE	INITIALS	CODE
1-9	C	220
13	Cou	100
15	Ry	500.

Date of Contract Aug. 1, 1951

Date of Certification March 15, 1954

Expiration Date of Royalty Payments Aug. 1, 1961

Total Amount of Contract $51,382.00

Total Expenditures under Contract $34,832.51

Amount of Government Participation at 50 % $17,416.26

Royalty Payments this Period None

Previous Royalty Payments $17,416.26

Total Royalty Payments to Date $17,416.26

Precent Government Participation Repaid 100

Royalty Due on Production to Date None

Royalty Remarks The entire royalty due was paid in a lump sum May 17, 1954.

	Tons	Analysis
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [x]	88,800	Cu 2.5%
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]		
Increase of Reserves by work performed subsequent to DMEA project work	None	
Production DMEA ore (This period)	None	
(Previous)	88,000	Cu 2.9%
(To date)	88,000	" " "
" Operator's ore found subsequent to DMEA work (This period)	See remarks	
(Previous)		
(To date)		

Percent Revised Reserves mined 100

(For Uranium Ores Only)

Initial Production Bonus:
Status of Operator: Ineligible [ ] Applied for [ ] Rec'ing pmt [ ] Pd up [ ]
Pounds U_3O_8 produced this period eligible for Bonus
Amount of Bonus paid to Operator this period $
Total pounds U_3O_8 produced to date eligible for Bonus
Total amount of Bonus paid to Operator to date
Bonus Royalty Paid $
Bonus Royalty Due $

Investment Data

Development Work in DMEA Area

Scram - ~~Shafts~~ - Drifts

Size	Feet	Cost
	1,000	

~~Winzes~~ Raises

Size	Feet	Cost
	1,600	

Drifts & Crosscuts

Size	Feet	Cost
8' x 8'	1,700	

Average cost was $25.00 per foot or $107,500.00

Raises

Size	Feet	Cost

Drilling

Type & Size	Feet	Cost

Rehabilitation

Description	Cost

Facilities

Mine Plant

Description	Cost

Mill

Description	Cost

Roads

Description	Cost

REMARKS: In Sept. 1957 the operator planned to close the entire property within 2 months for lack of ore. Subsequent exploration in 1957 (DMEA 4746) found no additional ore. For a number of years, production has been at the annual rate of 280,000 tons averaging 1.6% copper.

Signed H. Burmeister
Engineer

7446

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

500

January 24, 1958

Memorandum

To: Mr. W. E. Chamberlain, Statistics Branch
Division of Operation Control & Statistics

From: Director, Division of Base Metals

Subject: Semi-Annual Reports on Certified Projects

With reference to your January 23rd memo, on the eighteen certified projects you listed, only three are actually delinquent in the Field. They are:

Docket No. DM-1 & 1A	Chief Consolidated Mining Company
Docket No. DM-434	Lead Carbonate Mines, Inc.
Docket No. DM-1297	East Ridge Mining Company

We shall write Region III requesting that the proper reports be made.

Much of the lack is due to error in this office, it seems that it was not clearly understood that inactive projects nevertheless, should be reported to you. The following were properly reported by the Field but the information was not sent to you.

Inactive during the period January 1 - June 30, 1957.

Docket No.	Contract No.	Name
DM-171	Idm-3291	West Park Mining Company
DM-627	Idm-2 34	Caswell Mining Company
DM-1175	Idm-3251	Amader Mining Company
DM-1708	Idm-3229	Kentucky-Utah Mining Company
DM-1959	Idm-3223	Hoodoo Mines (Gardner & Vance)
DM-2612	Idm-3409	Granore Company
DM-2085	Idm-3529	New Team Mines, Inc.

8623

Active during the period.

Docket No. DMEA-113 Contract No. 265 New Quincy Mining Company

Produced 64 tons of ore. DMEA reserve now totally depleted and no tonnage remains.

Four of the contracts you listed are still active projects and we do not receive Semi-annual reports. They are:

Docket No. DMEA-1635	Silver Star-Queen Mines
Docket No. DMEA-2719	Day Mines, Inc.
Docket No. DMEA-2826	Providence Tesluma Gold Mines, Inc.
Docket No. DMEA-3548	Ross Mines, Inc.

Three were paid in full and no reports would be demanded, they were:

Docket No. DMEA-1586	Vermont Copper Company, Inc.
Docket No. DMEA-1827	Vinegar Hill Zinc Company
Docket No. DMEA-2444	Outlet Mining Company

W. R. Griswold

W. R. Griswold

WRG/er
Copy to: Dockets (8)
Mis. File
Chron.

Semi-Annual Reports of Certified Projects

Reporting Period Jan. 1 to June 30, 1957 Date of Examination None

Operator Appalachian Sulphides, Inc. (formerly, Vermont Copper Co.)

Mine Name Elizabeth Mine

County and State Orange County, Vermont

Docket No. and Commodity ---- DMEA - 1526 X (copper)

Contract No. ---- Idm-E 94

Date of Contract August 1, 1951

Date of Certification March 15, 1954

Expiration Date of Royalty Payments August 1, 1961

Total Amount of Contract $51,382.00

Total Expenditures under Contract $34,832.51

Amount of Government Participation at 50 % $17,416.26

Royalty Payments this Period None

Previous Royalty Payments $17,416.26

Total Royalty Payments to Date $17,416.26

Percent Government Participation Repaid 100

Royalty Due on Production to Date None

Royalty Remarks The entire royalty due was paid in a lump sum, May 17, 1954.

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 3 1957

DATE	INITIALS	CODE

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 8 1957

DATE	INITIALS	CODE
7/9/57	P.K.	220
4	[illegible]	100

	Tons	Analysis
Original Estimate of DMEA:		
Reserves (Field Team Final Report)	88,800	Cu 2.5%
Mines / / Survey / / Joint / X /		
Revised Estimate of DMEA		
Reserves (Field Team)	None	
Mines / / Survey / / Joint / /		
Increase of Reserves by work performed subsequent to DMEA project work	None	
Production DMEA ore (This period)	None	
(Previous)	88,800	Cu 2.9%
(To date)	88,800	" "
" Operator's ore (This period)		
found subsequent (Previous)	See remarks	
to DMEA work (To date)		

? this doesn't agree with what Cowley told me

Percent Revised Reserves mined _____

(FOR URANIUM ORES ONLY)

Initial Production Bonus:

Status of Operator: Ineligible ( ) Applied for ( ) Receiving payment ( ) Paid up ( )

Pounds U_3O_8 produced this period eligible for Bonus _____

Amount of Bonus paid to Operator this period $ _____

Total pounds U_3O_8 produced to date eligible for Bonus _____

Total amount of Bonus paid to Operator to date $ _____

Bonus Royalty Paid $ _____ Bonus Royalty Due $ _____

INVESTMENT DATA

Development in DMEA Area

Scram ~~Shafts~~ Size	Feet	Drifts Cost	~~Winzes~~ Raises Size	Feet	Cost	Drifts & Crosscuts Size	Feet	Cost
	1,000			1,600		8'x8'	1,700	

Average cost was $25.00 per foot or $107,500.00

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

Facilities

Mine Plant Description	Cost	Mill Description	Cost	Roads Description	Cost

Remarks: Operator's ore found subsequent to DMEA work is not known. No additional ore was found in DMEA area subsequent to DMEA work. Mine production before and since DMEA was/has been at the rate of 280,000 tons per year of 1.6% copper.

Signed [signature]
Engineer

Semi-Annual Reports of Certified Projects

Reporting Period July 1 to Dec. 31, 1956 Date of Examination April 1955

Operator Vermont Copper Co. (now Appalachian Sulphides)

Mine Name Elizabeth Mine

County and State Orange County, Vt.

Docket No. and Commodity --- DMTA-1526X (copper)

Contract No. --- Idm-E -94

Date of Contract Aug. 1 1951

Date of Certification March 15, 1954

Expiration Date of Royalty Payments Aug. 1, 1961

RECEIVED JAN 10 1957 D.M.E.A.

Total Amount of Contract $51,382.00

Total Expenditures under Contract $34,832.51

Amount of Government Participation at 50 % $17,416.26

Royalty Payments this Period None

Previous Royalty Payments $17,416.28

Total Royalty Payments to Date $17,416.28

Percent Government Participation Repaid 100

Royalty Due on Production to Date None

Royalty Remarks : The entire amount of royalty due was paid by check May 17, 1954

	Tons	Analysis
Original Estimate of DMEA: Reserves (Field Team Final Report) Mines / / Survey / / Joint / X /	88,800	Cu 2.5 %
Revised Estimate of DMEA Reserves (Field Team) Mines / / Survey / / Joint / /	None	
Increase of Reserves by work performed subsequent to DMEA project work	Not obtainable	
Production DMEA ore (This period)	do	
(Previous)	do	
(To date)	do	
" Operator's ore found subsequent to DMEA work (This period)	do	
(Previous)	do	
(To date)	do	

Percent Revised Reserves mined 100

(FOR URANIUM ORES ONLY)

Initial Production Bonus:

Status of Operator: Ineligible ( ) Applied for ( ) Receiving payment ( ) Paid up ( )

Pounds U_3O_8 produced this period eligible for Bonus _____

Amount of Bonus paid to Operator this period $ _____

Total pounds U_3O_8 produced to date eligible for Bonus _____

Total amount of Bonus paid to Operator to date $ _____

Bonus Royalty Paid $ _____ Bonus Royalty Due $ _____

INVESTMENT DATA

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

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

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks: See attached sheet

Signed H. L. BURMEISTER
Engineer

Vermont Copper

Remarks:

The engineer's last inspection was in April 1955 just previous to receipt of a single check in payment of total royalty due. In February 1955 a metallurgist from the College Park Station called at the property and requested data on production from the certified area and also data regarding subsequent development. No data was furnished by the manager who stated that the information would be sent directly to Washington. This information was never received.

A memo from Mr. V. J. Lynch to Mr. W. T. Millar under date of June 27, 1956 advises this office to let the matter drop. Apparently the Appalachian Sulphides Co. is not so liberal with pertinent information as was the old Vermont Copper Co.

RECEIVED
MAR 12 1956

Semi-Annual Report of Certified Project

Reporting Period: To January 1956 Date of Visit: February 27, 1956
Operator: Appalachian Sulphides Co. (formerly Vermont Copper Co.)
Mine Name : Elizabeth Mine County & State: Orange County, Vt.
Contract : Idm-E94 Docket No. : 1526X

Date of Contract: Aug. 1, 1951 Date of Certification: Mar.15,1954

Total amount of contract	$51,382.00
Total expenditures under contract	34,832.51
Amount of Govt. participation @ 50%	17,416.28
Previous royalty payments	17,416.28
Total royalty payments to date	17,416.28
Percent Govt. royalty participation repaid	100%

Royalty Remarks:

Personnel of the Bureau of Mines visited this property February 27, 1956. The engineer was advised that the company management is presently preparing a letter which will reflect the benefits in value of ore reserves derived from DMEA exploration. The letter will be sent direct to Mr. Mittendorf in the Washington D. C. office. Without benefit of information to be contained in the letter, the following data is submitted:

The entire royalty due the Government was repaid by one check for $17,416.28 on May 17, 1954.

Original estimate of reserves: 88,000 tons averaging 2.5% copper.

Increase of reserves by work performed subsequent to original Field Team estimates) To be included in the company manager's letter to the Administrator

Revised estimate of reserves : To be included in the company manager's letter to the Administrator.

Production Remarks: To be included in the letter from the company manager to the Administrator.

March 7, 1956

15-26

PROPERTY OF THE MINERS
Lions Mines Association
RECEIVED
JUL 13 1954

REA
Region VIII

Semi-Annual Report on Certified Projects
June 30, 1954

700

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Location:	Strafford Township, Orange County, Vt.
Docket No.:	MRA-1526K
Contract No.:	I 4n-794
Commodity:	Copper
Date of Certification:	March 15, 1954

Repayment of the full amount, $17,416.28, was received May 17, 1954 and transmitted through the proper channels.

DMEA
Summary Report
June 30, 1954

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Location:	Strafford Township, Orange Co., Vermont
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	$25,691.00 - 50%
Duration of Contract:	Aug. 1, 1951 to Dec. 1953, completion date amended to Feb. 1, 1954

The purpose of this project was to explore by diamond core drilling for additional ore in a possible northeasterly extension of the Elizabeth vein, which is now being mined.

The authorized work under this contract was 14,400 feet of drilling at a cost of $51,382.00. The work completed totaled 9,711 feet of drilling in 17 holes at a unit cost of $3.59 a foot. The total expenditure under the contract was $34,832.51, of which 50 percent or $17,416.25 was paid by the Government.

Results of the exploration have been favorable. The drilling proved the extension of the Elizabeth vein to the northeast, which increased the ore reserves approximately 88,000 tons averaging 2.5 percent copper.

The Operator requested termination after commencement but before completion of work. It was mutually agreed that a discovery had been made and a Certificate of Discovery or Development was issued March 15, 1954.

The entire loan, amounting to $17,416.28, was repayed the Government on May 17, 1954.

DMEA
Region VIII

Semi-Annual Report on Certified Projects
June 30, 1954

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Location:	Strafford Township, Orange County, Vt.
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Date of Certification:	March 15, 1954

Repayment of the full amount, $17,416.28, was received May 17, 1954 and transmitted through the proper channels.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1954

April 27, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-1526X - (Copper)
Vermont Copper Co., Inc.
So. Strafford, Orange Co., Vermont
Contract No. Idm-E94 (Terminated)

Attached hereto in quadruplicate is H. L. Burmeister's Field Inspection Report of April 23, for subject contract.

W. T. Millar
W. T. Millar a.

Attachments - 4

Field Inspection Report
by
H. L. Burmeister, Engineer
April 23, 1954

Defense Minerals Administration
RECEIVED
APR 28 1954

Operator:	Vermont Copper Co., Inc.
Address:	So. Strafford, Vermont
Location:	Strafford Township, Orange Co., Vt.
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94 (Terminated)
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	50% - $25,691.00
Duration of Contract:	Aug. 1, 1951 to Dec. 1953. Completion date amended to Feb. 1, 1954

Mr. John Cowley was interviewed today at the mine office, South Strafford, Vermont.

The company will start a raise in ground covered by terminated contract Idm-E94 on April 24, 1954. This raise will be driven from the 975' level on coordinate 16,400 N. and is expected to encounter ore at slightly less than 75 feet above the 975' level. The 975' level which is in barren ground, has been advanced to the 16,600 N. coordinate. Another raise will be put up to the ore at about 16,500 N. coordinate and connected to the one on 16,400 N. coordinate, by drifting at the bottom of the ore. Considering this necessary work in barren ground it will probably be one or one and a half months before ore can be produced from DMEA ground.

Mr. Cowley does not agree that the company should pay a royalty on the pyrhotite content of the ore. It is his contention that the company is producing and can sell only pyrhotite concentrates obtained from the ore mined in company ground; the balance is going into tailings. He says that he will write Mr. Mittendorf tomorrow regarding this.

Due to the fact that complete settlement on production covers a period of about 3 months, Mr. Cowley considers that reports of production should be rendered to the Government at 3 month intervals. OK

The drift face on No. 3 vein on the 975' level is at coordinate 16,200N. The structure is very tight and contains practically no copper mineralization.

DMEA diamond drill hole 587 on coordinate 16,450 N. was encountered at floor level of the 975' drift. This hole showed no horizontal deviation and was found to be only 10 feet lower than its plotted position.

There will be a meeting of the company's Board of Directors early in May at which time they will decide whether or not to apply for one or two new DMEA exploration loans.

The areas under consideration are, (a) the Pike Hill mine and (b) the area embraced between coordinates 25,000 N. and 40,000 N. to the north of the recently terminated contract areas.

The company plans to put geologists in the field in one or one and a half months and depending upon their findings to probably apply for exploration loans to include electro-magnetic surveys followed by diamond drilling.

In 19 days during April, including 19 hours idle, there were milled 17,916 tons of ore. This increase is in part due to work ball mill liners which have increased the diameter of the mill from 9 feet to about 9 feet 10 inches. The ore milled averaged about 3 percent copper.

/s/ H. L. Burmeister

College Park, Md.
April 27, 1954

HLB:rwa

copies for Mr. Selfridge - orig. & 3
USGS
Mr. Kantner, Fin. Off.
DMEA Files 2

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

Defense Minerals Administration
RECEIVED
FEB 23 1954

February 23, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-1526 - (Copper)
Vermont Copper Co., Inc.
Orange County, Vermont
Contract No. Idm-E94

Transmitted herewith in quadruplicate is H. L. Burmeister's Field Inspection Report on subject contract.

W. T. Millar

W. T. Millar

Enclosures

FEB 23 1954

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
February 17, 1954

Operator:	Vermont Copper Co., Inc.
Location:	Orange County, Vermont
Docket No.:	DMEA-1526
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	$25,691.00 - 50%
Duration of Contract:	Aug. 1, 1951 to Dec. 1953, Completion date amended to Feb. 1, 1954

This property was visited on February 17, 1954. Mr. John F. Cowley, Pres., was interviewed regarding the method of reporting production and making royalty payments on such production.

Mr. Cowley stated that he believed the only feasible method of reporting tonnage and grade of ore mined from DMEA ground would be as follows:

Keep a record each day of the number of cars of ore and apply the tonnage factor which has constantly been used in their operations. All cars would be sampled and the assay of the aggregate taken to represent the copper content of the ore trammed that day. The total tonnage and average copper assay would be furnished the Government. It is understood by the engineer that this same procedure should be followed ~~following~~ regarding the iron sulphide.

Mr. Cowley also states that he thinks that applying the same concentration factor to Company and DMEA ore and concentrate is the only feasible way of handling the recovery problem.

Regarding net returns, Mr. Cowley states he has been in contact with Mr. Ellis and Mr. Mittendorf and that no definite procedure has as yet been reached.

Production of DMEA ore is expected to start early in April of this year.

Mr. Cowley was given all information available on the above subject and told that datail instructions on settlement of royalties would be forwarded to him as soon as available.

H. L. Burmeister

February 23, 1954
College Park, Md.

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

Defense Minerals Administration
RECEIVED
DEC 1 1953

December 10, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-1526X - (Copper)
Vermont Copper Co., Inc.
Orange County, So. Strafford, Vermont
Contract No. Idm-E94

Enclosed are the original and three copies of H. L. Burmeister's Field Inspection Report of December 7, 1953, on subject contract.

W. T. Millar

W. T. Millar

Enclosures 4

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
December 7, 1953

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Location:	Orange County, Vermont
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Government Participation:	50% - $25,691.00
Total Cost:	$51,382.00
Duration of Contract:	From August 1, 1951 to December 1, 1953

This property was visited December 7, 1953. Mr. Cowley, President, was in Washington, D. C., but Mr. Clint Miller, mine superintendent, was interviewed.

The company's final report on this contract is nearly completed.

The 975 level drift which will serve both No. 1 and No. 2 veins, is being steadily advanced toward the boundary of DMEA ground. The drift on No. 2 vein is being advanced and is still trending toward No. 1 vein. No. 3 vein has become very lean in copper mineralization and the drift is not being advanced at present.

H. L. Burmeister

College Park, Md.
December 10, 1953

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

RECEIVED
OCT 30 1953

October 29, 1953

Memorandum

To: George C. Selfridge, Chairman, DMEA OPERATING COMMITTEE

From: N. A. Eilertsen for W. T. Millar, Executive Officer
DMEA Field Team, Region VIII

Subject: Docket DMEA-1526X - (Copper)
Vermont Copper Co.,Inc.
South Strafford, Vermont
Contract No. Idm-E94

In reference to our memorandum of October 27, forwarding four copies of H. L. Burmeister's Field Inspection Report of October 20, 1953, attached are four sets of maps to be included with this report.

N A Eilertsen

N. A. Eilertsen

Enclosures - 4

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

DEPARTMENT OF THE INTERIOR
Grande Ronde Indian Agency
OCT 28 1953

October 27, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket DMEA-1526X - (Copper)
Vermont Copper Co., Inc.
South Strafford, Vermont
Contract No. Idm-E94

Enclosed are four copies of H. L. Burmeister's Field Inspection Report of October 20, 1953, for contract Idm-E94. The maps referred to in paragraph four of the report are being prepared and will be forwarded as soon as they are completed.

N. A. Eilertsen
N. A. Eilertsen for
W. T. Millar

Enclosures - 4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
OCT 28 1953

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
October 20, 1953

Operator:	Vermont Copper Co., Inc.
Address:	So. Strafford, Vermont
Location:	Orange County, Vermont
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	50% - $25,691.00
Duration of Contract:	From August 1, 1951 to December 1, 1953

This property was visited on October 19, 1953. Mr. John F. Cowley, Pres., was interviewed. No drilling has been done under this contract since December 1952.

Mr. Cowley was informed of the necessity of writing a letter formally requesting termination of drilling, if this was his wish. It still appears to the engineer that further drilling under the contract is not warranted. Mr. Cowley did not understand about preparing a final report. The Contract Article bearing on this subject was brought to his attention and the various items that should be covered were pointed out.

It was noted that although previously it had appeared that the 975 foot level would enter DMEA ground at coordinate 16,325 N. it now appears that this point will be at about coordinate 16,400 N. because of a change in the vein strike toward the west. On this date the 975 foot level has been advanced to coordinate 16,050 N.

Mr. Cowley has furnished two of his working maps which are enclosed. The following data may be interpreted by referring to these maps:

The Elizabeth vein, or "No. 1" vein and No. 3 vein appear to be on opposite legs of a syncline; No. 2 vein appears to be one leg of an interior or minor fold of the larger syncline. The 975 foot level is below the bottom of the ore on veins No. 1 and No. 2, but slightly above the bottom of the ore in No. 3 vein which is also probably the vein outlined by the geophysical survey and drilled under this contract. The ore shoot is apparently inclining upward to the north in the present north area of underground development.

The drift on the 975 foot level, although below the ore, will be continued and the ore stoped above will be trammed on this level. Continuing the 975 foot level is necessary even though it is below the ore, for the reason that further to the north the ore shoot again pitches downward. Number 3 vein

has a dip of about 30 degrees east and can from present indications, be stoped for a width of about 35 feet.

The raise being driven from the 925 foot level to the surface, lacks about 200 feet of holing through. It will come to the surface across the creek and county road from the mine at about coordinates 16,300 N. and 9,800 W. The raise is 5 x 6 feet, intimbered except at a water bearing flat fault and will provide both ventilation and an emergency exit.

H. L. Burmeister

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
October 20, 1953

Department of the Interior
Defense Minerals Administration
RECEIVED
OCT 28 1953

Operator:	Vermont Copper Co., Inc.
Address:	So. Strafford, Vermont
Location:	Orange County, Vermont
Docket No.:	DMEA-1526X
Contract No.:	Idm-294
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	50% - $25,691.00
Duration of Contract:	From August 1, 1951 to December 1, 1953

This property was visited on October 19, 1953. Mr. John F. Cowley, Pres., was interviewed. No drilling has been done under this contract since December 1952.

Mr. Cowley was informed of the necessity of writing a letter formally requesting termination of drilling, if this was his wish. It still appears to the engineer that further drilling under the contract is not warranted. Mr. Cowley did not understand about preparing a final report. The Contract Article bearing on this subject was brought to his attention and the various items that should be covered were pointed out.

It was noted that although previously it had appeared that the 975 foot level would enter DMEA ground at coordinate 16,325 N. it now appears that this point will be at about coordinate 16,400 N. because of a change in the vein strike toward the west. On this date the 975 foot level has been advanced to coordinate 16,050 N.

Mr. Cowley has furnished two of his working maps which are enclosed. The following data may be interpreted by referring to these maps:

The Elizabeth vein, or "No. 1" vein and No. 3 vein appear to be on opposite legs of a syncline; No. 2 vein appears to be one leg of an interior or minor fold of the larger syncline. The 975 foot level is below the bottom of the ore on veins No. 1 and No. 2, but slightly above the bottom of the ore in No. 3 vein which is also probably the vein outlined by the geophysical survey and drilled under this contract. The ore shoot is apparently inclining upward to the north in the present north area of underground development.

The drift on the 975 foot level, although below the ore, will be continued and the ore stoped above will be trammed on this level. Continuing the 975 foot level is necessary even though it is below the ore, for the reason that further to the north the ore shoot again pitches downward. Number 3 vein

has a dip of about 30 degrees east and can from present indications, be stoped for a width of about 35 feet.

The raise being driven from the 925 foot level to the surface, lacks about 200 feet of holing through. It will come to the surface across the creek and county road from the mine at about coordinates 16,300 N. and 9,800 W. The raise is 5 x 6 feet, untimbered except at a water bearing flat fault and will provide both ventilation and an emergency exit.

H. L. Burmeister

College Park, Md.
October 21, 1953

HLB:rwa

copies for Mr. Selfridge - Orig. & 3
FRKantner, Fin. Off.
QuentinDSingewald, USGS
DMEA Files 2

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 2 - 1953

September 2, 1953

Memorandum

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

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

Subject: Docket No. DMEA-1526 - (Copper)
Vermont Copper Co., Inc., South Strafford, Vermont
Contract No. Idm-E94

Attached are two copies of a letter of August 31, from Mr. John F. Cowley, President, Vermont Copper Co., Inc., stating that during the months of July and August no work was done on the subject contract. No Operator's Monthly Report or communication other than the attached letter has been received from this company regarding the July report, therefore, forms MF-104 and 104A are not being submitted for this month.

H. L. Burmeister

H. L. Burmeister

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 2 - 1953

COPY

August 31, 1953

U. S. Department of Interior
Defense Minerals Exploration
College Park, Maryland

Att: H. L. Burmeister, Acting Executive

Gentlemen:

Re: Exploration Project Contract
No. IdM E94
Vermont Copper Co., Inc.
Docket No. DMEA - 1526

During the months of July and August 1953 no work was done on the above project. Therefore, since Amendment No. 4 provides for a recess from April 30, 1953 to not later than October 1, 1953, Progress Forms MF104 and MF 104A are not being forwarded at this time.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mz

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

JUL 23 1953

July 23, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-1526X - (Copper)
Vermont Copper Co., Inc., So. Strafford, Vermont
Contract No. Idm-E94

Transmitted herewith in quadruplicate is H. L. Burmeister's Field Inspection Report of July 16, on subject contract.

W. T. Millar

W. T. Millar

Enclosures 4

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
July 16, 1953

Operator:	Vermont Copper Co., Inc.
Address:	So. Strafford, Vermont
Location:	Orange County, Vermont
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	50% - $25,691.00
Duration of Contract:	From August 1, 1951 to December 1, 1953

This property was visited on the date of this report. All the underground workings in the north end of the mine were visited. Mr. Clint Miller, mine superintendent, accompanied the engineer. Mr. John F. Cowley, President, was later contacted in the company offices.

The face of the 975-foot level on the Elizabeth or No. 1 vein is now at coordinate 15,915 N. There is no ore in this face although the vein can be stoped starting about 20 feet above the drift.

No. 2 vein is about 30 feet in the footwall of No. 1 vein. It is planned to drive a drift northward between No. 1 and No. 2 veins, so stopes on either vein may be drawn from the strip. The 925-level is on No. 2 vein, the face being now at coordinate 16,015 N. and in ore, the 925-foot level will serve as a scram drift for stoping to be done above this level.

No. 3 vein which is believed to be the one represented by the anomaly drilled under DMEA contract, is on the 975-foot level about 150 feet in the footwall of the Elizabeth or No. 1 vein. Drifting for 200 feet on this vein between coordinates 15,000 N. and 15,500 N. produced ore averaging between 3 and 4 percent copper, although the underground diamond drill cores showed a lower grade.

The engineer is sure that the assays of core from No. 3 vein, where intercepted by the company drilled underground diamond drill holes, are those supplied by Mr. Cowley at that time. Actual data today taken from mine maps are listed below, the holes being drilled in the footwall of the No. 1 or Elizabeth vein and intercepting No. 3 vein at approximately 150 feet:

Coordinate	Width	% Copper
15,000 N.	9.6 feet	0.75 (the ore looks of higher grade)
15,200 N.	8.5 "	2.79
15,500 N.	10.0 "	1.2
15,800 N.	52.0 "	1.32 of which 19.5 feet runs 2.16% Cu.

One hole drilled to No. 3 vein from the 925-foot level at coordinate 16,000 N. shows 23 feet of 1.04 percent copper.

Regarding Mr. Cowley's letter of July 17, 1953, to the Executive Officer regarding a further recess of diamond drilling until October 1, 1953:

By October 1 the 975-foot level serving No. 1 and No. 2 veins as well as the 925-foot level on No. 2 vein, are expected to be advanced to the 16,200 N. coordinate. Until that time there will be no opportunity to gain further information regarding No. 2 or No. 3 veins by diamond drilling into the footwall of the Elizabeth vein. By October 1 enough information may well be accumulated from the above mentioned drifting to indicate whether additional drilling under the contract would further the ends of the contract or not. By this time the rake of the ore shoots in Veins No. 2 and No. 3 may be established so that one or 2 holes drilled from the surface north of coordinate 16,325 N., the DMEA limit of interest, might be of value. It is the definite impression that the result of the requested recess is largely a matter of indifference to the management. The reason for this is that Mr. Cowley sees a possible small advantage but not a great deal of advantage in keeping the contract open. The engineer concurs in this belief, especially so as the company is expecting that a Certificate or Discovery or Development will be issued in any case.

H. L. Burmeister
Mining Engineer

Transcribed from memo belt - 7/20/53
College Park, Maryland

HLB:rwa

College Park, Maryland

July 29, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Monthly Report of Operator - June 1953
Docket No. DMEA-1526X - (Copper)
Vermont Copper Company, Inc., So. Strafford, Vt.
Contract No. Icm-E94

Enclosed are two copies of the June progress report (Forms MF-104 and MF-104A), for subject contract. There was no progress in the exploration, hence no charges.

Drilling under this contract is pending the results of drilling from underground stations being conducted by the operator at his own expense.

W. T. Miller

Enclosures 2

WTM:rwa

copy for GeoCSelfridge
DMEA Files 2

Form [illegible] (April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1953 Docket No. DMEA 1526 X Contract No. IDM-E94

Operator's Name Vermont Copper Company, Inc. Minerals Copper

Address South Strafford, Vermont

Contract Amount, $ 51,382.00 Government Participation: 50 % Amount, $ 25,691.00

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		26,341.00	26,341.00			
Bulldozing						
Crosscutting	No drilling done during June					
Drifting	1953 per contract amendment #3					
(2) Labor and Supervision:						
Labor		3,528.14	3,528.14			
Supervision		713.25	713.25			
Technical Services		772.20	772.20			
(3) Operating Mat'ls. and Supplies:						
Timber		132.89	132.89			
Explosives						
Pipe		835.86	835.86			
Track						
Cement		317.27	317.27			
Other		161.50	161.50			
(4) Operating Equipment:						
Rental		117.55	117.55			
Purchase						
Depreciation		1,041.50	1,041.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		517.50	517.50			
Payroll Taxes		137.05	137.05			
Liability Insurance						
P/R Insurance		216.80	216.80			
(8) Contingencies (specify):						
TOTALS		34,832.51	34,832.51			

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

Date July 14, 1953 Payee Vermont Copper Company, Inc.

Per John Howley Title President

*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:

$ None

F. R. Kantner, Adm. Asst.

Signature (Authorized Certifying Officer)

Date 7/28/53 Vou. No. None

(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. Idw-E 94 in accordance with the terms of the contract.

Signature R. W. Arthur Title Secretary Date 7/17/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. G. Miller Title Executive Officer Date 7/17/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-N4A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 195 3 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Company, Inc. Minerals Copper
Address South Strafford, Vermont

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				34,832.51	9,711	3.587	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				34,832.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								$ 51,382

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 14, 1953 Operator Vermont Copper Co., Inc.

Per John H Cowley Title President

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

(Instructions on reverse)

REMARKS: No drilling done during June 1953 per Contract Amendment #3

Above is in error. Amendment No. 3 specified drilling to start May 1, 1953

WTMillar

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

JB

DMEA
Summary Report
June 30, 1953

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Location:	Strafford Township, Orange County, Vermont
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	50% - $25,691.00
Duration of Contract:	August 1, 1951 to December 1, 1953

The purpose of this project is to seek additional ore in a possible northeastern extension of the Elizabeth vein which is now being mined. Exploration is being done by diamond drilling.

It is estimated that 24 drill holes aggregating 14,400 feet of drilling can be performed for the total authorized cost of this project.

As of June 30, 1953, 17 holes were completed, totaling 9,711 feet of drilling at an overall cost of $3.59 per foot. Work was recessed during the winter months because of severe weather conditions.

In the meantime, the operator conducted core drilling from underground stations, at his own expense, to explore a footwall vein which appears to have caused the anomaly drilled from the surface under this contract. Results of the drilling by the operator are expected to supply valuable geological information, consequently drilling under this contract will be resumed upon completion of the underground exploration.

Results of the work to date are favorable. Drilling has proved the extension of the Elizabeth vein and a rough estimate of 86,000 tons of ore averaging 4 percent copper has been made. It is possible that a Certificate of Discovery or Development may be issued.

Total cost to date is $34,832.51, of which Government participation is $17,416.25.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1953 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Company, Inc. Minerals Copper
Address South Strafford, Vermont
Contract Amount, $ 51,382.00 Government Participation: 50 % Amount, $ 25,691.00

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		26,341.00	26,341.00			
Bulldozing						
Crosscutting	No drilling done during May					
Drifting	1953 per contract Amendment #3					
(2) Labor and Supervision:						
Labor		3,528.14	3,528.14			
Supervision		713.25	713.25			
Technical Services		772.20	772.20			
(3) Operating Mat'ls. and Supplies:						
Timber		132.89	132.89			
Explosives						
Pipe		835.86	835.86			
Track						
Cement		317.27	317.27			
Other		161.50	161.50			
(4) Operating Equipment:						
Rental		117.55	117.55			
Purchase						
Depreciation		1,041.50	1,041.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		517.50	517.50			
Payroll Taxes		137.05	137.05			
Liability Insurance						
P/R Insurance		216.80	216.80			
(8) Contingencies (specify):						
TOTALS		34,832.51	34,832.51			

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

Date June 13, 1953 *Payee Vermont Copper Company, Inc.

Per John F. Cowley Title President

*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:

$ None

Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)

Date 6/30/53 Vou. No. None
(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 94 in accordance with the terms of the contract.

Signature [illegible] Title Mining Eng. Date 6/22/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. P. Miller Title Executive Officer Date 6/23/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

Defense Minerals Administration
RECEIVED
1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 195 3 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Company, Inc. Minerals Copper
Address South Strafford, Vermont

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				34,832.51	9,711	3.587	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				34,832.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								51,388.

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 13, 1953 Operator Vermont Copper Co., Inc.

Per John T. Cowley Title President

REMARKS: No drilling done during May 1953 per Contract Amendment #3

Above is in error.

Amend. #3 specifies drilling to start May 4, 1953

H. P. B.

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

June 17, 1953

U. S. Department of Interior
Defense Minerals Exploration
College Park, Maryland

Re: Docket DMEA 1526 I - Copper
Contract Idm-894

Gentlemen:

I have your letter of June 15, 1953 in connection with the suspension of diamond drilling under the subject contract.

Drilling has not been resumed as provided for by Amendment No. 3 to the Contract because, first, our only available surface diamond drill is being used by us in exploratory drilling, for our own account, on adjacent properties; secondly, underground diamond drilling, for our own account has indicated two new ore zones to the south and in the footwall of the vein now showing in D.M.E.A. ground which may extend into the area covered by D.M.E.A. Contract Idm-894.

Underground exploration by crosscuts, drifts and raises is now being pushed to collect data necessary to lay out diamond drill holes on DMEA ground to extend the exploration of these new showings.

If this work now being done for our account is successful, we may wish to submit the data and request an amendment to cover such new drilling.

In view of the above we respectfully request that the D.M.E.A. field team for Region VIII permit a further recess in drilling under Contract Idm-894 from May 1, 1953 to October 1, 1953 at which time work under this contract will be resumed, and that the time for completion of the work specified in this contract be correspondingly increased to two years and nine months from the date of this contract.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mr

COPY

June 13, 1953

Mr. W. T. Millar, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Millar:

Re: Vermont Copper Co., Inc.
Contract IDM-E94 Docket DMA 1526 X

Enclosed herein are five copies of Operator's Monthly Report and Voucher and five copies of Operators Unit Cost and Progress Report for month of May.

You will note that no drilling has been done for the month in accordance with the recent amendment.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mx
Encl.

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

May 29, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-1526X - (Copper)
Vermont Copper Co., So. Strafford, Vt.
Contract No. Idm-E94

Transmitted herewith in quadruplicate is H. L. Burmeister's Field Inspection Report of May 25, on subject contract.

W. T. Millar

W. T. Millar

Enclosures - 4

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
May 25, 1953

Operator:	Vermont Copper Co.,Inc.
Address:	So. Strafford, Vermont
Location:	Orange County, Vermont
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Government Participation:	50% - $25,691.00
Total Cost:	$51,382.00
Duration of Contract:	From Aug. 1, 1951 to Dec. 1, 1953

This property was visited on May 25, 1953 and Mr. Cowley, President of the Vermont Copper Co., Inc. was interviewed.

Diamond drilling has not started to date under the terms of Amendment No. 3 which stipulates May 1, 1953 as the starting date.

It was pointed out to Mr. Cowley that if there is justification for this delay it should be submitted in a letter to the Executive Officer. It is apparent that Mr. Cowley is largely of the belief that the value of further drilling under the terms of the contract is doubtful. There is however a reservation, as several holes drilled after a lapse of one or two months might be valuable in coordinating information being obtained in company drilled underground holes.

The company has completed 5 horizontal holes into the footwall of the Elizabeth vein on the 975' level, from coordinate 14,800 N. to coordinate 15,800 N. These holes have intercepted copper mineralization assaying from 2 to 5 percent copper, in widths from 8 to 19 feet. This vein, where drilled, lies approximately 150 feet west in the footwall of the Elizabeth vein.

Apparently the ore is the same as intercepted by DMEA drilling on the anomaly at a greater elevation. After a study of the drill hole sections and assays, it appears possible that this newly indicated ore is in a shoot roughly paralleling the Elizabeth vein at the upper end of the new shoot. This possibility is strengthened by the fact that the Elizabeth ore shoot became far less in vertical dimension near the point where the anomaly vein is expected to merge into the Elizabeth vein. Samples from the underground drill hole on coordinate 15,800N. are lower in grade than any of the underground holes drilled. This indicates that this hole is near the upper edge of an ore shoot raking toward the north and may later be found in the area covered by the DMEA contract.

The complete explanation or justification for the delay in starting the balance of the diamond drilling must be left to Mr. Cowley. A letter should be received within a few days.

It is suggested that a copy of the new schedule of royalty payments be sent to Mr. Cowley.

H. L. Burmeister,
Mining Engineer

College Park, Md. - 5.29.53

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1953 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Company, Inc. Minerals Copper
Address South Strafford, Vermont
Contract Amount, $ 51,382.00 Government Participation: ____ % Amount, $ 25,691.00

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		26,341.00	26,341.00			
Bulldozing						
Crosscutting	No drilling done during April					
Drifting	1953 per contract Amendment #3					
(2) Labor and Supervision:						
Labor		3,528.14	3,528.14			
Supervision		713.25	713.25			
Technical Services		772.20	772.20			
(3) Operating Mat'ls. and Supplies:						
Timber		132.89	132.89			
Explosives						
Pipe		835.86	835.86			
Track						
Cement		317.27	317.27			
Other		161.50	161.50			
(4) Operating Equipment:						
Rental		117.55	117.55			
Purchase						
Depreciation		1,041.50	1,041.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		517.50	517.50			
Payroll Taxes		137.05	137.05			
Liability Insurance						
P/R Insurance		216.80	216.80			
(8) Contingencies (specify):						
TOTALS		34,832.51	34,832.51			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 5/13/53 *Payee Vermont Copper Company, Inc.
Per John Howley Title President

*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:
$ None
Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)
Date 5/19/53 Vou. No. None
(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 94 in accordance with the terms of the contract.

Signature W. D. Burmeister Title Min. Eng. Date 5/18/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. O. Miller Title Executive Officer Date 5/18/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAY 21 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 1526 X Contract No. IDM-E94

Operator's Name Vermont Copper Company, Inc. Minerals Copper

Address South Strafford, Vermont

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				34,832.51	9,711	3.587	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				34,832.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date May 13, 1953 Operator Vermont Copper Co., Inc.

Per John F Cowley Title President

REMARKS: No drilling done during April 1953 per Contract Amendment #3

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

May 13, 1953

Mr. W. T. Millar, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Millar:

Re: Vermont Copper Co., Inc.
Contract IDM-E94 Docket DMEA 1526 X

Enclosed herein are five copies of Operators Monthly Report and Voucher and five copies of Operators Unit Cost and Progress Report for month of April.

You will note that no drilling has been done for the month in accordance with the recent amendment.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mz
Encl.

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

April 14, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 15 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Contract Idm-E94, Docket DMEA-1526X - (Copper)
Vermont Copper Co., Inc., So. Strafford, Vermont

Attached in quadruplicate is H. L. Burmeister's Field Engineer's Report on Contract Idm-E94, for the month of March.

W. T. Millar

W. T. Millar

enclosures - 4

DMEA
Field Engineer's Report
by
H. L. Burmeister, Engineer
April 10, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 15 1953

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	50% - $25,691.00
Duration of Contract:	From August 1, 1951 to December 1, 1953

Due to the seasonal difficulties of drilling and under the provisions of Amendment No. 3, no drilling was done during the month of March.

H. L. Burmeister
Mining Engineer

College Park, Md.
April 14, 1953

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
APR 2 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1953 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vermont
Contract Amount, $ 51,382.00 Government Participation: 50 % Amount, $ 25,691.00

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		26,341.00	26,341.00			
Bulldozing						
Crosscutting	No drilling done during February					
Drifting	1953 per contract Amendement #3					
(2) Labor and Supervision:						
Labor		3,528.14	3,528.14			
Supervision		713.25	713.25			
Technical Services		772.20	772.20			
(3) Operating Mat'ls. and Supplies:						
Timber		132.89	132.89			
Explosives						
Pipe		835.86	835.86			
Track						
		317.27	317.27			
		161.50	161.50			
(4) Operating Equipment:						
Rental		117.55	117.55			
Purchase						
Depreciation		1,041.50	1,041.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		517.50	517.50			
Payroll Taxes		137.05	137.05			
Liability Insurance						
P/R Insurance		216.80	216.80			
(8) Contingencies (specify):						
TOTALS		34,832.51	34,832.51			

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

Date 3/21/53 *Payee Vermont Copper Co., Inc.

Per John F Cowley Title President

*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:

$ None

Signature F. R. Kantner, Adm. Ass't
(Authorized Certifying Officer)

Date 3/31/53 Vou. No. None
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm E-94 in accordance with the terms of the contract.

Signature M G Eilertsen Title Mining Engineer Date March 25 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. D. Miller Title Executive Officer Date 3/25/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form M[illegible]104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 2 1953

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

Month of February 195 3 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vermont

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				34,832.51	9,711	3.587	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				34,832.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date March 21, 1953 Operator Vermont Copper Co., Inc.

Per John F Cowley Title President

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: No drilling done during February 1953 per Contract Amendment #3

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

COPY

March 23, 1953

Mr. W. T. Millar, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Millar:

Re: Vermont Copper Co., Inc.
Contract IDM-894 Docket DMEA 1526 X

Enclosed herein are five copies of Operators Monthly Report and Voucher and five copies of Operators Unit Cost and Progress Report for the month of February.

You will note that no drilling has been done for the month in accordance with the recent amendment.

Very truly yours,

John F Cowley

John F. Cowley
President

JFC:mx
Encl.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

College Park, Maryland

February 20, 1953

Memorandum

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

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

Subject: Report of Operations under DMEA Contracts during January, 1953

Transmitted herewith in quadruplicate are reports by H. L. Burmeister, on the following contracts:

Dmea/576

Idm-E23	The Ruberoid Co. (1st application)
Idm-E94	Vermont Copper Co., Inc.
Idm-E256	Richard N. Berry (Atwood Mine)
Idm-E286	The Ruberoid Co. (2nd application)
Idm-E441	Alstead Mica Miners, Inc.

. T. Millar

Enclosures

MTM:rwa

copy for GeoCSelfridge
DMEA Files 2

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FEB 20 1953

DMEA
Report of Operations during January, 1953
by
H. L. Burmeister
February 19, 1953

Operator:	Vermont Copper Co., Inc. South Strafford, Vermont
Location:	Strafford Township, Orange Co., Vermont
Docket No.:	DMA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	50% or $25,691.00
Duration of Contract:	From August 1, 1951 to December 1, 1953

No work was done under this contract during the month of January.

By the terms of Contract Amendment No. 3, drilling operations were recessed from January 1 to April 30, 1953 and the completion date advanced to December 1, 1953.

This Amendment was made necessary by the severe winter weather conditions.

H. L. Burmeister
Mining Engineer

College Park, Maryland
February 19, 1953

3/10/53 jim

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 3 1953

March 2, 1953

Memorandum

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

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

Subject: Monthly Report of Operator - January 1953
Vermont Copper Co., Inc., So. Strafford, Vermont
Contract Idm-E94, Docket DMEA-1526X - (Copper)

Enclosed are two copies of Forms MF-104 and MF-104A from the Vermont Copper Company, Inc., for January.

Exploratory work on this project is suspended temporarily due to recess of drilling operations made necessary by the severe winter weather conditions. There was no progress in the exploration, hence no charges.

W. T. Millar

W. T. Millar

Is this contract completed? If not, what is the approximate % completed.
No - 67% completed.
EWE

Attachments - 2

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 3 1953

February 24, 1953

Mr. W. T. Miller, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Miller:

Re: Vermont Copper Co., Inc.
Contract IDM-894 Docket DMEA 1526 X

This will acknowledge the telephone call from Mr. H. Burmeister to Mr. Miller, our Mine Superintendent on February 19, 1953 in connection with the report on our recess of contract work for the period January 1, 1953 to April 30, 1953 under Amendment #3 to Contract IDM-894.

In accordance with the contractual amendment, no drilling was done during the period January 1-31, 1953. We enclose herewith reports so annotated.

Very truly yours,

Clarence B. Benson

Clarence B. Benson
Vice-President & Treasurer

CBB:ms
Encl.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1953 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vermont
Contract Amount, $ 51,382.00 Government Participation: 50 % Amount, $ 25,691.00

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:		26,341.00	26,341.00			
Drilling	No drilling done during					
Bulldozing	January 1953 per Contract					
Crosscutting	Amendment #3					
Drifting						
(2) Labor and Supervision:						
Labor		3,528.14	3,528.14			
Supervision		713.25	713.25			
Technical Services		772.20	772.20			
(3) Operating Mat'ls. and Supplies:						
Timber		132.89	132.89			
Explosives						
Pipe		835.86	835.86			
Track						
Cement		317.27	317.27			
Other		161.50	161.50			
(4) Operating Equipment:						
Rental		117.55	117.55			
Purchase						
Depreciation		1,041.50	1,041.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		517.50	517.50			
Payroll Taxes		137.05	137.05			
Liability Insurance						
P/R Insurance		216.80	216.80			
(8) Contingencies (specify):						
TOTALS		34,832.51	34,832.51			

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

Date 2/24/53 *Payee Vermont Copper Co., Inc.

Per Clarence B. Benson Title Vice-President

*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:

$ None

Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)

Date 3/2/53 Vou. No. None
(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-94 in accordance with the terms of the contract.

Signature R. L. Burmeister Title Mining Eng. Date 2/27/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. T. Miller Title Acting Exec. Officer Date 2/27/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 3 1953

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

Month of January 1953 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vt.

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				34,832.51	9,711	3.587	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				34,832.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 2/24/53 Operator Vermont Copper Co., Inc.

Per Clarence B. Benson Title Vice-President

REMARKS: No drilling done during January 1953 per Contract Amendment #3

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA
Summary Report
January 28, 1953

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Location:	Strafford Township, Orange Co., Vermont
Docket No.:	DMA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.
Government Participation:	50% - $25,691.
Duration of Contract:	August 1, 1951 to August 1, 1953

The purpose of this project is to seek additional ore in a possible northeastern extension of the Elizabeth vein which is now being mined. Exploration is being done by diamond drilling.

It is estimated that 24 drill holes aggregating 14,400 feet of drilling can be performed for the total authorized cost of this project.

As of January 1, 1953, 17 holes were completed, totaling 9,711 feet of drilling. Work has been recessed during the winter months because of severe winter weather conditions.

Results of the work to date are favorable. Drilling has proven the extension of the Elizabeth vein and a rough estimate of 86,000 tons of 4 percent copper has been made. It is possible that a Certificate of Discovery or Development may be issued.

Total cost to date is $34,832.51, of which Government participation is $17,416.25.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 15 1953

January 14, 1953

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

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

Subject: Vermont Copper Co., Inc., South Strafford, Vermont
Contract Idm-E94, Docket DMA-1526X - (Copper)

Attached in quadruplicate is the December Field Engineer's Report, by H. L. Burmeister, for subject contract.

W. T. Millar

W. T. Millar

Attachments - 4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 15 1953

DMEA
Field Engineer's Report
by
H. L. Burmeister, Engineer
January 14, 1953

Operator:	Vermont Copper Co., Inc.
Address:	So. Strafford, Vermont
Docket No.:	DMA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.
Government Participation:	50% or $25,691.
Duration of Contract:	2 years - from August 1, 1951 to August 1, 1953

During December a total of 785 feet was diamond drilled in two holes.

Drill hole No. 643 on coordinate 17,700 N. was advanced 391 feet to bottom at 601 feet. A very lightly mineralized zone of 15 feet was intercepted between 467 and 482 feet. This zone assayed 0.14 percent copper.

The drill was moved to coordinate 18,200 N. and hole No. 469 was started on December 18th. On December 31, this hole was completed at 394 feet after intercepting a 27 foot zone of weak mineralization between 214 and 241 feet. This zone assayed 0.23 percent copper. The underground hole being diamond drilled by the company on the lowest level of the mine, on coordinate 15,000 N. toward the hanging wall of the anomaly, has not been advanced this month due to a broken pump.

It is expected that no drilling will be done next month due to weather conditions.

Drilling this period has not produced encouraging results.

H. L. Burmeister
Mining Engineer

College Park, Md.
January 14, 1953

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 27 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1952 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vt.
Contract Amount, $ 51,382.00 Government Participation: 50 % Amount, $ 25,691.00

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	2,232.45	24,108.55	26,341.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	238.25	3,289.89	3,528.14			
Supervision	60.00	653.25	713.25			
Technical Services	102.70	669.50	772.20			
(3) Operating Mat'ls. and Supplies:						
Timber		132.89	132.89			
Explosives						
Pipe		835.86	835.86			
Track						
Cement		317.27	317.27			
Other	5.22	156.28	161.50			
(4) Operating Equipment:						
Rental		117.55	117.55			
Purchase						
Depreciation	114.50	927.00	1,041.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	60.00	457.50	517.50			
Payroll Taxes	11.23	125.82	137.05			
Liability Insurance						
Payroll Insurance	17.07	199.73	216.80			
(8) Contingencies (specify):						
TOTALS	2,841.42	31,991.09	34,832.51			

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

Date 1/12/53 *Payee Vermont Copper Co., Inc.

Per John F. Cowley Title President

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

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

(Instructions on reverse)

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

$ 1,420.71

Signature F. R. Kantner, Adm. Asst.
(Authorized Certifying Officer)

Date 1/23/53 Vou. No. DMEA-21
(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-94 in accordance with the terms of the contract.

Signature [illegible] Title Min. Eng. Date 1/14/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. P. Miller Title Acting Exec. Officer Date 1/14/53

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 27 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 2 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vermont

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								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	2,841.42	785	34,832.51	9,711	3.587	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,841.42	785	34,832.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 1/12/53 Operator Vermont Copper Co., Inc.

Per John Howley Title President

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

January 10, 1953

Mr. W. T. Miller, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 27 1953

Re: Vermont Copper Co., Inc.
Contract IDM-894 Docket DMEA 1536 X

Dear Mr. Miller:

Attached hereto are five cross sections showing drilling progress on coordinate 17,700 N and five cross sections showing drilling progress on coordinate18,200 N together with the regular cost statements covering the captioned project for the month of December 1952.

A total advance of 785 feet was obtained in December, 777 feet of which was drilled on contract. 7 dip tests and 8 assays for copper were taken.

During the period from December 1 through December 11 diamond drill hole #643 was extended from 210 feet to 601 feet for a contract advance of 391 feet. Dip tests were taken at depths of 300 feet, 400 feet, and 500 feet below the collar. A 15.2 foot mineralized zone assaying 0.14% Cu was intersected between the depths of 466.8 feet and 482.0 feet.

During the period from December 11 through December 17 the drill rig was moved to station 3A on coordinate 18,200 N and the first 8 feet of diamond drill hole #469 was drilled, reamed, and cased. Contract drilling commenced at a depth of 8 feet on December 18, continuing until December 31 when a depth of 394 feet was attained for a contract advance of 386 feet. Dip tests were taken at depths of 100 feet, 200 feet, 300 feet and 385 feet below the collar. Two zones of weak mineralization were intersected: a 26.8 feet zone assaying 0.08% Cu between the depths of 214.2 feet and 241.0 feet, and a 9.1 feet zone assaying 0.23% Cu between the depths of 330.0 feet and 339.1 feet.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mc
Encl.

COPY

River Diamond Drilling
Company Labor

Classification	Rate	Name	Moving Set-Up Hrs.	Moving Set-Up Amt.	Casing Hrs.	Casing Amt.	Water Rinse Hrs.	Water Rinse Amt.	Grouting Hrs.	Grouting Amt.
Driller	1.42	J. Twait	43	59.12	13	17.87	8	11.00	4	5.50
Helper	1.25	[illegible]. Cheeley	51	63.75	13	16.25	8	10.00	4	5.00
Helper	1.25	F. Cook	16	20.00						
Helper	1.13	J. Pickwell	16	18.08						
Tractor Oper.	1.46	A. Deason	8	11.68						
			134	$172.63	26	$34.12	16	$21.00	8	$10.50

Total Amount $238.25

Geologist -	A. Mikkola	4 days @ 16.00	64.00
	H. G. Brown	3 days @ 12.90	38.70
Engineers -	E. Little	1 day @ 12.00	12.00
	H. G. Brown	4 days @ 12.00	48.00
			$162.70

Total Company Labor December 1958 $400.95

Payroll Taxes

Federal Social Security	1.5%	
Federal Excise	0.3%	
Vermont Unemployment	1.0%	
	2.8% of $400.95	$11.23
Workmen's Compensation Insurance	4.257% of $400.95	$17.07

COPY

Department of the Interior
Defense Minerals Administration
5 1952

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
December 8, 1952

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Docket No.:	DMA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	50% or $25,691.00
Duration of Contract:	2 years - from August 1, 1951 to August 1, 1953

The 599 feet diamond drilled during November was below the normal monthly footage due to illness of the driller.

On November 1, hole No. 642 was started on coordinate 17,700 N. Fifty-four feet of casing was set and the hole drilled to bottom at 389 feet. Weak sulphide mineralization was encountered between 340 and 350 feet. This 10 feet assayed 0.13 percent copper.

On completion of hole 642 the drill rig was moved to the location of hole 643 also on coordinate 17,700 N. On November 30 this hole had attained a depth of 210 feet after passing through a fault zone from 170 to 200 feet. This fault zone resulted in a loss of drilling water until stopped by the use of Cream of Wheat. Hole 643 flattened considerably and is now expented to intercept the same mineralized zone appearing in hole 642 about 150 feet below the intercept in hole 642.

A company operated diamond drill is set up on the lower mine level, on coordinate 15,000 N. This drill is expected to intercept the mineralization shown by the anomaly approximately 400 feet in the hanging wall, about December 22.

Mr. Cowley states that after one more hole is drilled on the hanging wall anomaly, the drill may be moved to drill one hole at company expense on the Orange and Grove mines anomaly.

H. L. Burmeister
Mining Engineer

College Park, Md.
December 12, 1952

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

DEPARTMENT OF THE INTERIOR
Defense Mineral Administration
Budget Bureau No. 42-R1036.3
Approval expires 6-30-53

RECEIVED
DEC 3 1 1952

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

Month of November, 1952 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Company, Inc. Minerals Copper
Address South Strafford, Vermont
Contract Amount, $ 51,382.00 Government Participation: 50 % Amount, $ 25,691.00

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	1,566.40	22,542.15	24,108.55			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	247.23	3,042.66	3,289.89			
Supervision	84.00	569.25	653.25			
Technical Services	64.00	605.50	669.50			
(3) Operating Mat'ls. and Supplies:						
Timber		132.89	132.89			
Explosives						
Pipe	49.85	786.01	835.86			
Track						
Cement		317.27	317.27			
Other	11.15	145.13	156.28			
(4) Operating Equipment:						
Rental		117.55	117.55			
Purchase						
Depreciation	40.00	887.00	927.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	7.50	450.00	457.50			
Payroll Taxes	11.07	114.75	125.82			
Liability Insurance						
P/R Insurance	16.82	182.91	199.73			
(8) Contingencies (specify):						
TOTALS	2,098.02	29,893.07	31,991.09			

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

Date 12/11/52 *Payee Vermont Copper Co., Inc.

Per John F Cowley Title President

*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:

$ 1049.01

Signature
(Authorized Certifying Officer)

Date 12/30/52 Vou. No. DMEA-18
(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-94 in accordance with the terms of the contract.

Signature [illegible] Title Min. Eng. Date 12/15/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. P. Mills Title Acting Exec. Officer Date 12/15/52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Defense Approval Expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 3 - 1952

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

Month of November 195 2 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vermont

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	Feet	2,098.02	599	31,991.09	8,926	3,584	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,098.02	599	31,991.09				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 12/11/52 Operator Vermont Copper Co., Inc.

Per John Howley Title President

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

River Diamond Drilling
Company Labor

Classification	Rate	Name	Moving Set-up Hrs.	Moving Set-up Amt.	Casing Hrs.	Casing Amt.	Grouting Hrs.	Grouting Amt.	Water Lines Hrs.	Water Lines Amt.
Driller	1.42	J. Tweit	28	38.50	28	52.25	4	5.50	16	22.00
Helper	1.25	W. Chesley	28	35.00	30	37.50	4	5.00	16	20.00
Helper	1.31	R. Bertrand							8	10.48
Helper	1.37	A. Russ			8	10.50				
Helper	1.37	H. Parshley							8	10.50
Total Hours			56		76		8		48	
Total Amount				73.50		100.25		10.50		62.98

Total Amount $247.23

Geologist - A. Mikkola	4 days @ 16.00	64.00
H. G. Brown	7 days @ 12.00	84.00
		$148.00

Total Company Labor for November 1952 $495.23

Payroll Taxes

Federal Social Security	1.5%	
Federal Excise	0.3%	
Vermont Unemployment	1.0%	
	2.8% of $395.23	$11.07
Workmen's Compensation Insurance	4.257% of $395.23	$16.82

December 11, 1952

PA.
DEC 17 1952

Mr. W. T. Millar, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Re: Vermont Copper Co., Inc.
Contract IDM-E94 Docket DMEA 1526 X

Dear Mr. Millar:

Attached hereto are five cross section maps showing the progess of diamond drilling together with regular cost statements covering the captioned project for the month of November 1952.

A total advance of 599 feet was obtained in November, 534 feet of which was drilled on contract.

On November 7th the first 54 feet of diamond drill hole #642 was drilled, reamed, and cased, and contract drilling was commenced. Contract drilling continued until November 14th at which time a depth of 389 feet from the collar was attained. Dip tests were taken at depths of 60 feet, 160 feet, 250 feet, and 330 feet from the collar. A zone of very weakly disseminated chalcopyrite was intersected between the depths of 349.2 feet and 359.5 feet. This 10.3 foot zone was assayed as a single unit and yielded a value of 0.13% Cu. Although the zone shows only weak copper mineralization, an iron determination yielded a value of 16.63% Fe (iron in combination with sulphide - not total iron) which shows rather heavy sulphide mineralization.

During the period from November 15th through the 18th the drill rig was adjusted to drill a 60 degree hole and the first 11 feet was drilled, reamed, and cased (5.5 feet of overburden). Contract drilling commenced on November 19th and continued through the 30th of November at which time a depth of 210 feet was attained. Dip tests were taken at depths of 100 feet and 200 feet from the collar. The hole had not intersected the mineralized zone as of the end of the month.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mz
Encl.

COPY

11/24/52 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

November 20, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

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

Subject: Vermont Copper Co., Inc., So. Strafford, Vermont
Contract Idm-E94, Docket DMEA-1526X - (Copper)

Attached are the original and three copies of the October Field Inspection Report by H. L. Burmeister, on Docket DMEA-1526X.

W. T. Millar

W. T. Millar

Attachments - 4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

DMEA
Field Inspection Report
November 17, 1952
by
H. L. Burmeister, Engineer

Operator:	Vermont Copper Co., Inc. South Strafford, Vermont
Docket No.:	DMEA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.
Government participation:	50% or $25,691.
Duration of Contract:	2 years - from August 1, 1951 to August 1, 1953.

(Reported by dictaphone memo belt)

During October no drilling was done on coordinate N. 16,700. One drill on the contract has worked on coordinate N. 17,200 drilling Hole 637 from 127 feet to 233 feet at which point it bottomed in amphibolite. The core showed a very weakly mineralized zone from 185 feet to 200 feet. No assays were run as the mineralization was far below economic grade. Hole 639 was drilled from the same setup and bottomed in amphibolite at 263 feet. A similar weak sulfide zone was encountered from 200 feet to 230 feet. This zone also did not justify assay. Hole 639 was bottomed on October 24 and drill was moved to coordinate N. 17,700 on coordinate W. 10,210.

It is anticipated that one drill can be operated one shift throughout the winter months. The only problem in drilling has been the same recurring one of glacial drift which required casing. About 30 feet per shift is being drilled although the frequent moves lower the average considerably.

H. L. Burmeister
Mining Engineer

College Park, Md.
November 17, 1952

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
NOV 20 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1952 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vt.
Contract Amount, $ 51,382.00 Government Participation: 50 % Amount, $ 25,691.00

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	920.65	21,621.50	22,542.15			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	365.87	2,676.79	3,042.66			
Supervision	84.00	485.25	569.25			
Technical Services	48.00	557.50	605.50			
(3) Operating Mat'ls. and Supplies:						
Timber		132.89	132.89			
Explosives						
Pipe	274.94	511.07	786.01			
Track						
Cement		317.27	317.27			
Other	8.17	136.96	145.13			
(4) Operating Equipment:						
Rental		117.55	117.55			
Purchase						
Depreciation	45.50	841.50	887.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		450.00	450.00			
Payroll Taxes	13.94	100.81	114.75			
Liability Insurance						
P/R Insurance	21.19	161.72	182.91			
(8) Contingencies (specify):						
TOTALS	1,782.26	28,110.81	29,893.07			

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

Date 11/12/52 *Payee Vermont Copper Co., Inc.

Per Clarence B. Benson Title Vice-President

*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:

$ 891.13

Signature /s/ W.F. Owen Jr
(Authorized Certifying Officer)

Date 11/19/52 Vou. No. DMEA-14

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-94 in accordance with the terms of the contract.

Signature G. L. Neumann Title Mining Eng. Date 11-14-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. T. Miller Title Acting Exec. Officer Date Nov. 14, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MR-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 26 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1952 Docket No. DMEA 1526 X Contract No. IDM-E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vermont

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	Feet	1,782.26	369	29,893.07	8,327	3,590	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,782.26	369	29,893.07				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 11/12/52 Operator Vermont Copper Co., Inc.

Per Clarence B. Benson Title Vice-President

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Geo

November 12, 1952

Mr. W. T. Millar, Acting Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Re: Vermont Copper Co., Inc.
Contract IDM-394 Docket DMEA 1526 X

Dear Mr. Millar:

Attached hereto are five cross section maps showing the progress of diamond drilling together with regular cost statements covering the captioned project for the month of October 1952.

A total advance of 369 feet was obtained in October, 309 feet of which was drilled on contract.

Contract drilling of drill hole #637 was started on October 4th at a depth of 127 feet from the collar (the first 127 feet was drilled, reamed, and cased during the month of September) and continued until October 9th at which time a depth of 233 feet was attained. Dip tests were taken at depths of 130 feet and 200 feet from the collar. No ore was intersected by this hole, however, scattered traces of sulphides were found between the depths of 166.6 feet and 222.0 feet.

During the period from October 10th through October 18th a new water line was laid down to decrease the possibility of its freezing during the winter, and the drill rig was moved to drill hole #639; the first 60 feet was drilled, reamed, and cased. Contract drilling commenced on October 20th and continued until October 24th when a depth of 263 feet was attained. Dip tests were taken at depths of 100 feet, 200 feet, and 260 feet from the collar. No ore zone was intersected.

Very truly yours,

Clarence B. Benson

Clarence B. Benson
Vice-President

JFC:ms
Encl.

COPY

River Diamond Drilling
Company Labor

Classification	Rate	Name	Moving & Setup Hrs.	Moving & Setup Amt.	Casing Hrs.	Casing Amt.	Water Lines Hrs.	Water Lines Amt.
Driller	1.42	J. Tweit	32	44.00	83	114.12	8	11.00
Driller	1.42	J.F. Judd	3	4.12				
Helper	1.37	A. Russ	40	52.50	79	103.69	8	10.50
Helper	1.31	R. Bertrand					8	10.48
Helper	1.31	W. Estes, Jr.			4	5.24		
Tractor Operator	1.46	A. Bacon	7	10.22				
			82	110.84	166	223.05	24	31.98

Total 272 Hrs. $365.87

Geologist - A. Mikkola	3 days @ 16.00	$48.00	
Engineer - H. G. Brown	7 days @ 12.00	84.00	
			$132.00

Total Company Labor for October 1952 $497.87

Payroll Taxes

Federal Social Security	1.5%	
Federal Excise	0.3%	
Vermont Unemployment	1.0%	
	2.8% of $497.87	$13.94

Workmen's Compensation Insurance
4.257 % of $497.87 $21.19

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

October 8, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket DMEA-1526X, Contract Idm-E94
Vermont Copper Co., Inc., So. Strafford, Vt.
(Copper)

Attached is the original with three copies of the September Field Inspection Report by H. L. Burmeister, on subject contract.

McHenry Mosier

McHenry Mosier

Attachments - 4

DMEA
Field Inspection Report
by
H. L. Burmeister, Engineer
October 3 and 4, 1952

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Docket No.:	DMA-1526X
Contract No.:	Idm-E94
Commodity:	Copper
Total Cost:	$51,382.
Government Participation:	50% - $25,691.
Duration of Contract:	Two years, from August 1, 1951 to August 1, 1953.

During September diamond drill holes No. 631 and No. 634 were drilled and completed on coordinate 16,700 N. on the high anomaly west of the Elizabeth vein. These holes,both intercepted weak mineralization on the hangingwall of amphibolite. Another hole, No. 636 is being drilled on coordinate 17,200 N. to explore the same anomaly. The mineralization in hole No. 631 is 30 ft. wide and averages 0.32 percent copper and in hole No. 634 is 37 ft. wide and averages 0.50 percent copper.

On coordinate 16,700 N. company drilled hole No. 455 and encountered amphibolite on the footwall of 8 ft. of 1.23 percent copper mineralization. The amphibolite in these three holes may possibly be in the footwall of the same mineralized structure. The copper mineralization in holes 476 and 611 may be immediately below a roll in which the mineralization decreases upward to the slight mineralization in holes 464 and 455, which might have occurred in minor fissures due to a possible roll in the formation. A similar situation is noted in the area adjacent to coordinate 15,600 N. and also in the stoped areas between coordinates 14,000 N. and 15,000 N. The location of the amphibolite referred to might be established by deepening drill hole 464 a comparatively small amount, if the hole is open.

The course of the anomaly presently being drilled was not correctly sketched on the plan map submitted by the company August 15, 1952. This error was the result of one of the geophysical maps having been drawn using magnetic north instead of true north. With the correction of this error the anomaly appears to intersect the mined area of the Elizabeth vein near coordinate 14,000 N. An examination of the stope cross sections shows that near this point the footwall amphibolite began to bear to the west or further into the footwall of the mined ore zone.

After clearing the drill site for the third hole on the anomaly, the site was abandoned and the drill moved to conform with the correct course of the anomaly. This waste work is being paid for solely by the [redacted] Company.

A copy of a sheet for reporting monthly the costs for items in Exhibit "A" and showing the unexpended balances was left with Mr. Cowley. This will be incorporated in the September report.

The 12 inch churn drill hole for ventilation has been completed but has not yet been connected by the drift.

Drilling operations were visited in company with Mr. Cowley.

H. L. Burmeister
Mining Engineer

College Park, Md.
October 7, 1952

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 41-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 3 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 1526 X Contract No. IDM - E94
Operator's Name Vermont Copper Co., Inc. Minerals Copper
Address South Strafford, Vermont
Contract Amount, $ 51,382.00 Government Participation: 50 % Amount, $ 25,691.00

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	1,611.50	20,010.00	21,621.50			21,621.50
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	369.82	2,339.02	2,708.84		2,306.97	2676.79
Supervision	81.00	985.63	1,066.63		404.25	485.25
Technical Services	77.50	502.68	580.18		480.00	557.50
(3) Operating Mat'ls. and Supplies:						
Timber		132.89	132.89			132.89
Explosives						
Pipe	91.29	419.78	511.07			511.07
Track						
Cement	76.70	240.57	317.27			317.27
Other	16.96	120.00	136.96			136.96
(4) Operating Equipment:						
Rental		117.55	117.55			117.55
Purchase						
Depreciation	168.00	673.50	841.50			841.50
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	75.00	375.00	450.00			450.00
Payroll Taxes	14.79	103.83	118.62		86.02	100.81
Liability Insurance						
Payroll Insurance	22.49	166.31	188.80		139.23	161.72
(8) Contingencies (specify):						
TOTALS	2,605.05	26,186.76	28,791.81	2,605.05	25,505.76	28,110.81

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

Date Oct. 15, 1952 Payee Vermont Copper Co., Inc.

Per John Howley Title President

*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:

$ 962.03

Signature ~~(Authorized Certifying Officer)~~

Date 10/27/52 Vou. No. DMEA-12
(See other side)

Adjusted per auditor's report 9/19/52 – (26,186.76 – 681.00) = 25,505.76
Payment is 50% (2605.05 – 681.00) = 962.03

(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 84 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date 10/17/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature McHenry Mosier Title Executive Officer Date 10-17-52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 3 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1952 Docket No. DMEA 1526 X Contract No. IDM-E94

Operator's Name Vermont Copper Co., Inc. Minerals Copper

Address South Strafford, Vermont

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	Feet	2,605.05	747	28,110.81 ~~28,791.81~~	7,958	3.53 ~~3.618~~	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2,605.05	747	28,110.81 ~~28,791.81~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS				28,110.81				51,382.00

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

Date Oct. 15, 1952 Operator Vermont Copper Co., Inc.

Per John F. Cowley Title President

John F. Cowley

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

(Instructions on reverse)

REMARKS: Units to date adjusted per instructions of auditor to include overburden drilling.

Adjusted total on July 1952 report 7,211 feet.

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

October 15, 1952

Mr. McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
Contract Idm 294 Docket DMEA 1526 X

Dear Mr. Mosier:

Attached hereto are five cross sections showing drilling progress on coordinate 16,700 N and five cross sections showing drilling progress on coordinate 17,200 N together with the regular cost statements covering the captioned project for the month of September 1952.

A total advance of 582 feet was obtained in September, 511 feet of which was drilled on contract.

On September 3rd, the first 36 feet of diamond drill hole #634 was drilled, reamed, and cased and contract drilling commenced at a depth of 36 feet, continuing until September 8th at which time a total depth of 286 feet, from the collar, was attained. Dip tests were taken at depths of 40 feet, 100 feet, 200 feet, and 260 feet from the collar. Six assays for copper were taken covering a 37.2 foot section from 219.0 feet to 256.2 feet. The weighted average for this section is 0.50% Cu. The last 10.6 feet of the section is a better grade and yields an assay value of 0.82% Cu.

On September 9th and 10th the rig was adjusted to drill diamond drill hole #631 and the first 35 feet was drilled, reamed, and cased. Contract drilling commenced on September 11th at a depth of 35 feet and continued until September 16th, at which time a depth of 296 feet, from the collar, was attained. Dip tests were taken at depths of 40 feet, 100 feet, 200 feet, and 290 feet. Four copper assays were taken to cover the 27.9 feet mineralized zone intersected between the depths of 230.3 feet and 258.2 feet. The weighted average for the total zone was 0.32% Cu, however, the first 6.4 feet yielded a value of 0.52% Cu.

During the period from September 17th through September 30th the rig was moved to station #11 on section 17,200 N and the first 127 feet as drilled reamed and cased. Considerable difficulty was met with in going through the overburden due to the exceedingly large number of boulders. Bed rock was intersected at a depth of 127 feet from the collar.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:ms
Encl.

River Diamond Drilling
Company Labor

September 1952

Classification	Rate	Name		Moving & Setup Hrs.	Moving & Setup Amt.	Coring Hrs.	Coring Amt.
Driller	1.42	L. Blanchard	($11.00 per day Max.)			12	16.50
Driller	1.42	J. Tuedt	($11.00 per day Max.)	40	55.00	75	103.12
Helper	1.37	A. Bass	($10.50 per day Max.)	28	36.75	55	72.19
Helper	1.31	L. Lands		24	31.44	24	31.44
Tractor Operator	1.42	A. Bacon	($11.00 per day Max.)	17	23.38		
				109	$146.97	166	$223.25

Total for Month: $369.82

Geologist	- H. Brown	5 Days @ $15.50	$77.50
Engineer	- R. Little	4 Days @ $12.00	48.00
Engineer's Helper	- J. Philbrick	3 Days @ $11.00	33.00
			$158.50

Total Company Labor for September 1952 $528.32

Payroll Taxes

Federal Social Security	1.5%	
Federal Excise	0.3%	
Vermont Unemployment	1.0%	
	2.8% of $528.32	- $14.79

Workman's Compensation Insurance - 4.257% of $528.32 - $22.49

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
College Park, Md. September 12, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: DMEA Docket No. 1526X (Copper) - Vermont Copper Co., Inc., South Strafford, Vt., Contract Idm-E94

Attached in quadruplicate is N. A. Eilertsen's Field Inspection Report of Sept. 5-6, on subject contract.

McHenry Mosier

McHenry Mosier

Attachements (4)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 15 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
College Park, Md. September 12, 1952

Field Inspection Report Sept. 5-6, 1952
By
N. A. Eilertsen, Mining Engineer

DMEA Docket No. 1526X (Copper)
Vermont Copper Company, Inc.,South Strafford, Vt.
Contract Idm-E94

Diamond drilling was recessed for the month with exception of the last two working days when a drill was being moved to hole NO. -1A on cross section 16,700 N, in Parcel 3A, specified in the contract. The object of this move is to explore the area under an anomaly recently mapped by a geophysical survey. This is thought to be the apex of the folded ore zone continuing from the Elizabeth mine which was intersected in holes numbered 455, 611 and 476 on cross section 16,700 N. If intersection of sulfides is made in this hole, it may be necessary to deepen holes numbered 464 and 473 on this section.

The proposal by the Vermont Copper Company to establish diamond drill stations on this anomaly is contained in a letter to McHenry Mosier, Executive Officer DMEA, Region VIII, dated August 15, 1952, signed by John F. Cowley, President.

N. A. Eilertsen

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

September 17, 1952

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, Bureau-Survey Field Team, DMEA Region VIII

Subject: Contract Idm-E94, Docket DMA 1526-X, Vermont Copper Co. South Strafford, Vermont - Copper.

In lieu of Forms MF-104 and 104A, Monthly Report of Operator, attached is narrative report from John F. Cowley, President, Vermont Copper Co. covering this project which was suspended during August.

McHenry Mosier

Enclosures
4

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Division
SEP 18 1952

VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD
VERMONT

September 13, 1952

Mr. McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Re: Vermont Copper Co., Inc.
DMA 1526 X

Dear Mr. Mosier:

Attached hereto are five copies of a map showing the area of the land covered by the captioned contract and the original drill stations, together with a tracing of an anomaly shown by electromagnetic survey and three proposed drill stations.

We moved our diamond drill in to station marked - 1A on August 29th and 30th and commenced drilling September 2nd.

Since no advance was made in drilling during the month of August a detailed report is not made at this time.

For your information, the first hole drilled during the first week of September showed some twenty feet of mineralization under the anomaly, the details and log of which will be included in the September report.

I discussed this drilling program with Mr. Eilertson on his recent visit to South Strafford,

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:aw
Encl.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 18 1952

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

August 7, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket DMEA-1526X, Contract Idm-E94
Vermont Copper Company, So. Strafford, Vt.
(Copper)

Attached are the original and three copies of H. L. Burmeister's Field Inspection Report on subject docket.

McHenry Mosier

Enclosure

[illegible]
Defense [illegible]
[illegible]
AUG [illegible] 1952

DMEA
Field Inspection Report
August 4, 1952
by
H. L. Burmeister, Engineer

Vermont Copper Company, South Strafford, Vermont
Docket DMEA-1526X - Contract Idm-E94

(Copper)

No drilling was done in July except the finishing of diamond drill hole 611 and its survey. Although the hole intercepted the mineralized zone above hole 476 rather than below it as planned, it may be well that it did, as it indicates a very rapid widening of a narrow portion of the vein which has occurred many times before on this vein.

Field work has been completed on the company financed electromagnetic survey of the Orange-Walker mines area. Two strong anomalies were found, one at either end, east and west. Interpretation in Canada of the results are being awaited.

Mr. Crowley's letter to Mr. Mosier, under date of July 30th, explains that the strong anomalies may indicate another vein, parallel to and west of the Elizabeth vein. If the results of the survey should warrant, the company may request permission to drill this area under contract E94. Any considerable extension to the south of these anomolies would show another vein in ground not now covered by contract E94. The ground is owned by the company but would have to be added to that in which the Government has a repayment interest.

/s/ H. L. Burmeister

H. L. Burmeister
Field Team, Mining Engineer

DEPARTMENT OF THE INT...
Defense Minerals Administration
RECEIVED
AUG 3 1952

Morrisville, Vt.
August 5, 1952

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

August 19, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Vermont Copper Company, South Strafford, Vt. Docket DMEA-1526X - Contract Idm-E94 (Copper)

Attached in duplicate is the Operator's Report for July, furnished by the Vermont Copper Company.

McHenry Mosier

Enclosures (2)

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA _____ Contract No. IDM-E94

Operator's Name Vermont Copper Company, Inc. Minerals Copper

Address South Strafford, Vermont

Contract Amount, $51,382.00 Government Participation: 50 % Amount, $25,691.00

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	287.85	19,462.65	19,750.50			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	315.98	2,023.04	2,339.02			
Supervision		720.66	720.66			
Technical Services		782.65	782.65			
(3) Operating Mat'ls. and Supplies:						
Timber	8.56	124.33	132.89			
Explosives						
Pipe & Casing	15.87	419.91	435.78			
Track						
Grouting		273.41	273.41			
Other	4.00	326.66	330.66			
(4) Operating Equipment:						
Rental		117.55	117.55			
Purchase						
Depreciation		673.50	673.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	8.85	94.98	103.83			
Liability Insurance						
Payroll Insurance	13.45	152.86	166.31			
(8) Contingencies (specify):						
Assaying		360.00	360.00			
TOTALS	654.56	25,532.20	26,186.76			

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

Date 8/15/52 *Payee Vermont Copper Company, Inc.

Per John Howley Title President

*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:

$_____

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. _____
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E 94 in accordance with the terms of the contract.

Signature W. P. Mills Title Mining Engr Date Aug 18, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature McHenry Mosier Title Executive Officer Date 8-18-52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 2 Docket No. DMEA 1526 X Contract No. ldm-E94

Operator's Name Vermont Copper Co., Inc. Minerals

Address So. Strafford, Vermont

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								
Crosscutting								
Raising								
Shafts								
Winzes					7,211 *	3,631		
Drilling: Core	Feet	654.56	101	26,186.76	6,930	3,779	14,400	3,568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		654.56	101	26,186.76				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		654.56	101	26,186.76				51,382.00

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 August 15, 1952 Operator Vermont Copper Co., Inc.

Per John Howley Title President

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

(Instructions on reverse)

Remarks: * Incl. 281' overburden drilling and 6930' under contract.

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

River Diamond Drilling
Company Labor

July 1952

Classification	Rate	Name	Hrs.	Amt.	Hrs.	Amt.	Hrs.	Amt.	Hrs.	Amt.
Driller	1.42	V. Clogston	8	11.36	49	69.58	5	7.10	31	44.02
Driller	1.42	J. F. Judd	8	11.36	5	7.10	5	7.10	31	44.02
Driller	1.42	J. Tweit	8	11.36	40	56.80				
Helper	1.31	[illegible]. Harlow			8	10.48				
Helper	1.37	W. Tuller			3	4.11				
Laborer	1.13	[illegible]. Jones			24	27.12				
Timberman	1.49	E. George			3	4.47				
			24	34.08	132	179.66	10	14.20	62	88.04

Hole #611 Total for Month $315.98

Payroll Taxes

Federal Social Security	1.5%		
Federal Excise	0.3%		
Vermont Unemployment	1.0%		
	2.8% of	$315.98-	$8.85

Workmen's Compensation Insurance

	4.257% of	$315.98-	$13.45

August 15, 1952

Mr. McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
DMA 1526 X

Attached herete are cross section maps showing the progress of diamond drilling together with regular cost statements covering the captioned project for the month of July 1952.

A total advance of 101 feet was obtained in July, all of which was drilled on contract.

During the period from July 1st through July 10th diamond drill hole #611 was extended from 452 feet to 553 feet for a total contract advance of 101 feet. The mineralized zone starts at 492 feet and continues to a depth of 537 feet from the collar, however, the last 7.2 feet of the zone assays only 0.26% Cu and should not be considered as part of the ore zone. The remaining 37.8 feet of the mineralized section (492.0' - 529.8') assays 2.62% Cu. A 22 feet portion of this (495.0' - 517.0') yields a value of 3.87% Cu. Dip tests were taken at depths of 440 feet and 500 feet from the collar. On July 14th check dip tests were taken at the following depths: 150 feet, 200 feet, 250 feet, 300 feet and 350 feet. The attached cross sections show that hole #611 has flattened to such an extent that it is intersecting the vein at a point some 35 feet above the ore in hole #476 rather than 50 feet below as was intended. As a result of this it was decided to move the drill rig back to hole #476 and wedge off at 300 feet from the collar in order to reach the desired position some 50 feet below the ore cut previously by hole #476. However, due to the unavailability of suitable wedges and the inexperience of our diamond drill operators, wedging was given up and all drilling was temporarily discontinued.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mz
Encl.

COPY

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

July 18, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMA-1526X
Vermont Copper Company
South Strafford, Vermont

Attached in quadruplicate is the Mining Engineer's Field Report of July 11, 1952, on the copper project under Contract No. Idm-E94.

McHenry Mosier

McHenry Mosier

Enclosure
Field Inspection Report (Orig. & 3)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 21 1952

C
O
P
Y

Morrisville, Vt.
July 12, 1952

DMEA
Field Inspection Report
Date of Visit - July 11, 1952
(H. L. Burmeister, Engineer)

Operator: Vermont Copper Co.
Address: South Strafford, Vermont
Docket No. 1526X
Commodity: Copper
Total Cost: $51,382.00
Government Participation: 50% - $25,691.00
Duration of Contract: Two years from August 1, 1951

The June Progress Report is ready for typing and is in order. Diamond drill hole #611 which was supposed to intercept the ore zone 50 feet below the intercept of DDH #476, actually made the intercept at the same elevation as hole #476. Assays of the mineralized zone are as follows:

Feet on hole	Percent Copper
492 to 495	0.76
495 to 500	8.49
500 to 504	2.42

The above sections of core, particularly 495 to 500 feet, look like they carry more than the assay show. The next 10 feet below 504 appear to run plus one percent but no assay is yet available on this section.

The drill crew was not working the day of visit as they had just finished hole #611. Inclination readings on this hole not taken but will be taken on July 14th to determine at what point to wedge the hole in an attempt to bring it out at the originally intended elevation. As the June report could not have been mailed until July 14th in any case; it was suggested that the results of the inclination readings be included and also an overlay section of DDH #611 accompany the report, showing the results of drilling since July 1st.

The mining on 975 level has revealed that company drilled hole #426 is plotted about 15 feet too low in elevation and 20 feet too far to the south. This has made it possible to drive a slusher drift north on the bottom of the ore which is actually 25 feet above the back of the 975 level.

A contract has been signed to churn drill a 12 inch hole from the surface to meet the 975 level at the 16,000 coordinate. This is to take care of needed ventilation. This need will be augmented by the use of diesel haulage in the near future. The diesel haulage units have been ordered.

Electro-magnetic geophysical work was started July 9th on the strike of the Gove, Orange and Walker mines. This strike line lies about $2\frac{1}{2}$ miles in a northerly direction from the 17,700 coordinate and has a strike of 30 to 50 degrees west and an apparent dip of 30 degrees NE. The length of this zone is about $2\frac{1}{2}$ miles with its easterly end about on the strike line of the present operating mine.

If this geophysical work results in good indications of another mineralized zone, another application for a DMEA loan will probably be filed. The geophysical work will probably be finished within two weeks of this writing.

Respectfully submitted:

/s/ H. L. Burmeister

H. L. Burmeister

College Park, Md.
July 14, 1952

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1952 Docket No. DMEA 1526 X Contract No. ldm-E 94
Operator's Name Vermont Copper Company, Inc. Minerals Copper
Address So. Strafford, Vermont
Contract Amount, $ 51,382.00 Government Participation: 50 % Amount, $ 25,691.00

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	1,197.00	18,265.65	19,462.65			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	231.45	1,791.59	2,023.04			
Supervision	62.40	658.26	720.66			
Technical Services	48.00	734.65	782.65			
(3) Operating Mat'ls. and Supplies:						
Timber	16.80	107.53	124.33			
Explosives						
Pipe and Casing	16.00	403.91	419.91			
Track						
Grouting	158.20	115.21	273.41			
Other	46.46	280.20	326.66			
(4) Operating Equipment:						
Rental	[illegible]	117.55	117.55			
Purchase	40.00	633.50	673.50			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes	9.57	85.41	94.98			
Liability Insurance						
Payroll Insurance	14.55	138.31	152.86			
(8) Contingencies (specify):						
ASsaying		360.00	360.00			
TOTALS	1,840.43	23,691.77	25,532.20			

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

Date July 15, 1952 Payee Vermont Copper Co., Inc.

Per John F Cowley Title President

*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:

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm E 94 in accordance with the terms of the contract.

Signature M. T. Miller Title Min. Engr Date Aug. 1, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature McHenry Mosier Title Executive Officer Date 8-19-52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 195 2 Docket No. DMEA 1526 X Contract No. Idm-E94

Operator's Name Vermont Copper Company, Inc. Minerals Copper

Address So. Strafford, Vermont

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	Feet	1,840.43	420	25,532.20	6,829	3.739	14,400	3.568
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		1,840.43	420	25,532.20				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,840.43	420	25,532.20				51,382.00

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 15, 1952 Operator Vermont Copper Co., Inc.

Per John F. Cowley Title President

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.

U. S. GOVERNMENT PRINTING OFFICE 205676

River Diamond Drilling

Company Labor

June 1952

Classification	Rate	Name	Moving Sch. Hr. Hrs.	Amt.	Casing Hrs.	Amt.	Grouting Hrs.	Amt.	Total
Drill Helper	1.31	F. Currier	16	20.96					20.96
Driller	1.42	V. Clogston	29	41.18	5	7.10	21	29.82	78.10
Driller	1.42	F. Judd	22	31.24	13	18.46	19½	27.69	77.39
Driller	1.42	J. Tuadt	21	29.82	5	7.10			36.92
Laborer	1.13	D. Jones	8	9.04			8	9.04	18.08
			96	132.24	23	32.66	48½	66.55	
									231.45

Supervision -	C. Bauhar	2 days @	19.20	-	38.40	
Geologist -	H. Bugum	3 days @	14.00	-	42.00	
Engineer -	R. Little	2 days @	12.00	-	24.00	
						110.40
Total - Hole Number 611						$ 341.85

Payroll Taxes

Federal Social Security	1.5%	
Federal Excise	0.3%	
Vermont Unemployment	1.0%	
	2.8% of $341.85	- $9.57

Workmen's Compensation Insurance 4.27% of $341.85 - $14.55

July 30, 1952

Mr. McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
DMA 1526 X

Enclosed please find five corrected copies of Operator's Monthly Report for the month of June 1952.

In the narrative of the report you will note that we had decided to wedge off diamond drill hole #476 and attempt to drill to the desired location some 50 feet below the ore cut previously by hole #476.

We now find that our diamond drill contractor has no wedges and only a very hazy idea of how to use them if acquired, consequently, we have now decided not to try to experiment.

During the last few days we have been making an electromagnetic survey of the area adjacent to and north of the area drilled under the captioned project. Preliminary results appear to indicate a good anomaly some five to six hundred feet to the west of the ore zone intersected by holes #476 - #578 and #445 which may be a parallel vein.

When this survey is completed and the results plotted we may request permission to do additional drilling in this area in lieu of any further drilling to the north.

We will keep you advised of developments.

Very truly yours,

John F. Cowley
President

JFC:mz
Encl.

July 15, 1952

Mr. McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
DMA 1526 I

Attached hereto are cross section maps showing the progress of diamond drilling together with regular cost statements covering the captioned project for the month of June 1952.

A total advance of 452 feet was obtained in June, 420 feet of which was drilled on contract.

During the period from June 16th through June 18th the drilling rig was moved to the station on section 16,700 N and the first 32 feet of Diamond Drill Hole #611 was drilled, reamed and cased. Contract drilling commenced on June 19th at a depth of 32 feet from the collar and continued until June 30th at which time a depth of 452 feet, from the collar, was attained. No assays were taken as the core was barren of mineralization. Dip tests were taken at depths of 40 feet, 100 feet, and 300 feet from the collar. However, there is some doubt as to the accuracy of these dip tests and, therefore, they will be checked on July 14th. Due to caving of the hole it was necessary to cement. As a result of this, 124 feet of cement-filled hole had to be redrilled.

For your information we are also showing the progress of this hole for the first 15 days of July.

During the period from July 1st through July 10th diamond drill hole #611 was extended from 452 feet to 553 feet for a total contract advance of 101 feet. Dip tests were taken at depths of 460 feet and 550 feet from the collar. The mineralized zone starts at 492 feet and continues to a depth of 536 feet. The first 18.3 feet of this is massive sulphide, the remainder is makeup of scattered sulphide disseminations in sericite schist. The following split-core assays have been taken to date:

492.0 - 495.0	0.76% Cu
495.0 - 500.0	8.49% Cu
500.0 - 504.0	2.42% Cu

The check dip tests taken July 14th show that the hole has flattened so much that the vein was actually intersected at a point above that of the ore cut by hole #476 as shown on the cross sections attached hereto.

After a thorough study of the problem it has been decided to move the drill rig back to hole #476 and wedge off at 300 feet from the collar in order to reach the desired position some 50 feet below the ore cut previously by hole #476.

We will keep you informed of the results as soon as known.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mm
Encl.

COPY

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

June 18, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: Executive Officer, Field Team, Region VIII

Subject: May 1952 Progress Report, Contract IdmE-94, Docket No. DMA-1526X - (Copper)

Attached is the original and one copy of the Operator's Progress Report from the Vermont Copper Co., Inc., South Strafford, Vermont, for the month of May 1952. This has been approved and is being sent to the Finance Officer, Region VIII, for payment of the Government's share.

McHenry Mosier

Enclosures:
Operator's Report
GLNeumann's Field Inspection Report

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
College
JUN 19 1952

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 94

Name of Operator Vermont Copper Co., Inc.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of May 1952

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 19 1952

CERTIFICATION

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

Vermont Copper Co., Inc.
(Name of Company)

By John F Cowley
(Signature of Authorized Official)

June 11, 1952
(Date)

President
(Title)

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

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]		117.55	117.55			
(c) Furnished by operator	20.00	613.50	633.50			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

16—64068-3

College Park, Maryland

June 18, 1952

Memorandum

To: D. E. Anderson, Finance Officer, Region VIII

From: Executive Officer, DMEA Field Team, Region VIII

Subject: May 1952 Progress Report, Contract No. [illegible],
Docket No. DMA-1[illegible] - (Copper)

Attached is one copy of the Operator's Progress Report from the Vermont Copper Company, Inc., South Strafford, Vermont, for the month of May 1952. This report has been checked by W. T. Miller and approved by me. You will note that the amount approved for payment this month by the Government is $571.00.

Mahony Hunter

Enclosures
Operator's Report
G.L.Neumann's Field Inspection Report

MoHM:rwa

copy for COMittendorf ✓
DMEA Files 2

DMEA
Field Inspection Report
June 11, 1952

G. L. Neumann, Engineer

Operator:	Vermont Copper Co., Inc.
Address:	South Strafford, Vermont
Docket No.:	DMA-1526X
Contract No.:	IdmE-94
Commodity:	Copper
Total Cost:	$51,382.00
Government Participation:	50% - $25,691.00
Duration of Contract:	Two years from August 1, 1951

The Vermont Copper Company property at South Strafford, Vermont was visited on June 11, 1952. Diamond drill hole No. 587 was finished during May. It bottomed at 648 feet, an advance for May of 277 feet. No ore was cut in hole No. 587.

Another hole on Section 16,700 has been recommended by McHenry Mosier, Executive Officer, Region VIII, and will be started in June. Heavy rains during the last part of May and the first part of June have caused some delay in the work.

G. L. Neumann

River Diamond Drilling
Company Labor

May 1952

Classification	Rate	Name	Grouting Hrs.	Grouting Amt.	Moving Out Pulling Casing Hrs.	Moving Out Pulling Casing Amt.	Total
Drill Helper	1.28	R. Eastman	36½	46.72			46.72
Driller	1.39	V. Clogston	50½	70.20	6½	9.04	79.24
Driller	1.39	J. Tweit	19	26.41	3½	4.87	31.28
			106	143.33	10	13.91	$157.24

Geologist - H. G. Brown - 4 Days @ 16.00	64.00	
Engineer - R. H. Little - 2 days @ 12.00	24.00	
Supervision - C. Banker 2 days @ 19.20	38.40	
		126.40
Total Labor Charged		$283.64

Payroll Taxes

Federal Social Security	1.5%	
Federal Excise	0.3%	
Vermont Unemployment	1.0%	
	2.8% of $283.64	$7.94

Workmen's Compensation Insurance

4.257% of $283.64 $12.07

VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD
VERMONT

June 13, 1952

Mr. McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
DMA 1526 X

Attached hereto are cross section maps showing the progress of diamond drilling together with the regular cost statements covering the captioned project for the month of May 1952.

A total advance of 277 feet was made in May, all of which was drilled on contract.

Diamond Drill Hole #587 was advanced from 371 feet as of the close of drilling on April 30, 1952 to 648 feet on May 14, 1952 for an advance of 277 feet for the month. Dip tests were taken at depths of 400 feet, 500 feet, and 600 feet from the collar. No assays were obtained during the month.

Since May 14, 1952 the drill has been at the south end of our mine and as yet has not been moved to section 16700 N to drill a hole to intersect the mineralized zone 50 feet below hole #476, as mentioned in my letter of May 24, 1952.

Very truly yours,

John F Cowley

John F. Cowley
President

JFC:mz
Encl.

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	157.24	1,634.35	1,791.59			
5. Supervision	126.40	1,266.51	1,392.91			
6. Supplies						
(a) Timber		107.53	107.53			
(b) Explosives						
(c) Repair Parts						
(d) Other	32.89	766.43	799.32			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	12.07	126.24	138.31			
10. Contract Work	789.45	17,476.20	18,265.65			
11. Other (specify)						
Assaying		360.00	360.00			
P/R Taxes	7.94	77.47	85.41			
Total	1,145.99	22,545.78	23,691.77			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by W. T. Willa
Entered by
Approved by McHenry Mosier 6/16/52
Amount approved for payment $ 573.00
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF May 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	157.24		32.89	809.45	999.58	Feet	277	6,132	6,409	14,400
Overburden										
Rehabilitation and preparation										
Geology and geophysics	88.00				88.00					
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify) Supervision	38.40				38.40					
Payroll Taxes & Ins.				20.01	20.01					
Totals	283.64		32.89	829.46	1,145.99					

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

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

Breakdown of "Other" Charges

277 feet @ 2.85	$ 789.45 (See Agreement with Diamond Drill Contractor)
Payroll Taxes	7.94
Workmen's Compensation Insurance	12.07
Company Truck (8 hrs. @ 2.50)	20.00
	$ 829.46

Field Inspection Report
May 8, 1952
W. Z. Mills, Engineer
U.S. Bureau of Mines

Operator:	Vermont Copper Company
Address:	South Strafford, Vermont
Docket No.:	DMA-1586X
Contract No.:	Ida-454
Commodity:	Copper
Total Cost:	$51,382.00
Govt. Participation:	50% or $25,691.00
Duration of Contract:	2 years, beginning Aug. 1, 1951

Exploratory work under this project is being continued on Crown Section 16,160 on drill hole No. 587, which is the third drill hole from this drill site. (See map with application.)

Apparently, this drill hole is in a faulted area. Several zones of brecciated material have been interrupted which may indicate that the drill is following a fault plane paralleling the dip. The present depth of the hole is 412 feet on a 64 degree incline. The last of drill water necessitated assembling tubes, using a total of 60 bags of cement. The material being drilled is a serpentine schist containing garnet. The abrasiveness of the material and pressure of the material exerted on the drill rods were sufficient to wear the rods which were twisted off in the drill hole. The drill hole was flushed clean and cased to 96 feet which seemed to have relieved the pressure on the rods. Then, fishing for the broken rods was started. The fishing tools passed the depth of the broken rods, so drilling was resumed. At the time of this visit the drill bit was at a depth of about 300 feet cutting through cemented material and the hole was being flushed. It is possible that the drill was deflected or it may be that sufficient material was flushed out of the faulted zone to allow the rods to settle off the original dip to permit the fishing tool to pass. In case of the latter, the broken rods may be encountered at a greater depth and it is possible that the hole may be lost, but not due to negligence of the drillers.

The project is well supervised by the mine superintendent and a geologist who logs the core, splits and samples the core, and plots the drill sections, also samples the sludge.

An application for Government's participation in an exploratory shaft has been filed. Confirming with certain limitations of the lease, a tentative location for the shaft has been made. This location is on the hanging-wall side of the vein near the present drill site. Before approval of the shaft location a detailed study of the drill sections should be made, devoting special attention to the faulted zones shown in the present section but not encountered in previous sections. Also, the flow of water deserves consideration.

[illegible]

Changing the present contract to the "Short Form" on a unit basis is accepted favorably pending the decision on the exploratory shaft application. If the shaft application is approved, the present contract may be cancelled, or a request may be made to suspend drilling under the present contract until the shaft is completed, then apply the remainder of the present contract to underground drilling.

The company has leased a promising area about four miles north of the present operations. An application for Government's participation in exploratory drilling on the new lease is being considered.

Wages to the Vermont Copper Co. have been increased 2¢ per hour and an application to the Wage Stabilization Board has been made to increase wages an additional 3¢ which will be above the present ceiling.

/s/ W. T. Miller

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

May 23, 1952

Memorandum

To: C. O. Mittendorf, Acting Administrator, DMEA

From: Executive Officer, Field Team, Region VIII

Subject: April Progress Report, Idm-E94, Docket DMA-1526X

Attached are two copies of the Operator's Progress Report from the Vermont Copper Co., Inc. for the month of April 1952. This has been approved and is being sent to the Finance Officer, Region VIII, for payment of the Government's share.

McHenry Mosier

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 26 1952

MM.

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 94

Name of Operator Vermont Copper Company, Inc.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of April 1952

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 26 1952

CERTIFICATION

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

Vermont Copper Company, Inc.
(Name of Company)

By Clarence B. Benson
(Signature of Authorized Official)

May 12, 1952
(Date)

Vice Pres. and Treasurer
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	344.01	1,290.34	1,634.35			
5. Supervision	300.60	965.91	1,266.51			
6. Supplies						
(a) Timber		107.53	107.53			
(b) Explosives						
(c) Repair Parts						
(d) Other	260.21	506.22	766.43			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	27.44	98.80	126.24			
10. Contract Work	1,530.45	15,945.75	17,476.20			
11. Other (specify)						
Assaying	127.50	232.50	360.00			
P/R Taxes	18.05	59.42	77.47			
Total	2,678.26	19,867.52	22,545.78			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by W. L. Bernmister
Entered by
Approved by McFarry Ulosier
Amount approved for payment $ 1339.13
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF April 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	306.69		260.21	1,600.45	2,167.35	Feet	537	5,595	6,132	14,400
Overburden										
Rehabilitation and preparation	37.32				37.32					
Geology and geophysics	218.00				218.00					
Trenching										
Sampling and assaying				127.50	127.50					
Roads and trails										
Test pits										
Other (specify) Supervision	82.60				82.60					
P/R Taxes & Insurance				45.49	45.49					
Totals	644.61		260.21	1,773.44	2,678.26					

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

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

Breakdown of "Other Charges"

537 Feet @ $2.85	$1,530.45	(See Agreement with Diamond Drill Contractor)
Payroll Taxes	18.05	
Payroll Insurance	27.44	
Company truck 28 Hrs. @ 2.50	70.00	
Assaying 17 @ 7.50	127.50	
Total	$1,773.44	

River Diamond Drilling
Company Labor

April 1952

Classification	Rate	Name	Drill Holes Hrs.	Drill Holes Amt.	Preparation Hrs.	Preparation Amt.	Total
Drill Helper	1.26	R. Eastman	54½	68.67	9½	11.97	
*	1.28	R. Eastman	44½	56.96			
Driller	1.37	V. Clogston	45½	62.34	18½	25.35	
*	1.39	V. Clogston	44½	61.86			
Driller	1.37	J. Tweit	7	9.59			
*	1.39	J. Tweit	16	22.24			
Drill Helper	1.28	R. Higgins	5	6.40			
Mechanic	1.47	W. Webb	4	5.88			
Mechanic	1.37	W. Estes	3	4.11			
Laborer	1.08	H. Piper	8	8.64			
			232	306.69	28	37.32	$344.01

* Rate Increase of 2¢ effective 4/19/52

Geologist -	H. G. Brown	5 Days	@ 16.00	$80.00	
Engineer	R. Little	6 Days	12.00	72.00	
Engineer's Helper	B. Walker	6 Days	11.00	66.00	
					218.00
Supervision -	C. Banker	2 Days	19.20	38.40	
	F. Taft	2 Days	22.10	44.20	
					82.60
Total Labor					644.61

Payroll Taxes

Federal Social Security	1.5%		
Federal Excise	0.3%		
Vermont Unemployment	1.0%		
	2.8%	of $644.61	$18.05
Workmen's Compensation Insurance	4.257%	of $644.61	27.44

Breakdown of Labor Charges

Drill Holes		
Casing 96 ft. of hole Number 587	$138.01	
Grouting on holes #578 and #587	168.68	
		$306.69
Preparation		
Setup on Hole #587	24.99	
Water Lines	12.33	
		37.32
Total		$344.01

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D. C.~~

College Park, Maryland

April 17, 1952

Memorandum

To: C. O. Mittendorf
Acting Administrator, DMEA

From: Executive Officer
DMEA Field Team, Region VIII

Subject: Progress Report - March 1952
Docket No. DMA-~~1525X~~, Contract Idm-E94
~~1950~~ 1526

Attached are two copies of the Progress Report for the month of March 1952, from the Vermont Copper Co., Inc. This has been approved and is being sent to the Finance Officer for payment of the Government's share.

McHenry Mosier

McHenry Mosier

Attachments

APR 18 1952

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 94

Name of Operator Vermont Copper Company, Inc.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of March 1952

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Vermont Copper Company, Inc.
(Name of Company)

By John F Cowley
(Signature of Authorized Official)

April 14, 1952
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]		117.55	117.55	✓		
(c) Furnished by operator	56.00	487.50	543.50	✓		
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

College Park, Maryland

April 17, 1952

Memorandum

To: D. W. Anderson, Finance Officer, Region VIII

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Progress Report - March 1952
Docket No. DMA-1526X, Contract Idm-E94

Attached is a copy of the Progress Report for the month of March 1952, from the Vermont Copper Company, Inc., which has been checked by R. W. Arthur and approved by me. You will note that the amount for payment for this period by the Government is $1,622.57.

McHenry Mosier

Attachment

McHM:rwa

copy for COMittendorf
DMEA Files 2

River Diamond Drilling
Company Labor

March 1952

Classification	Rate	Name	Drill Holes Hrs.	Drill Holes Amt.	Preparation Hrs.	Preparation Amt.	Roads Hrs.	Roads Amt.	Total
Drill Helper	1.26	R. Eastman	32	40.32	11	13.86	4	5.04	
Driller	1.37	V. Clogston	31	42.47	15	20.55			
Laborer	1.26	E. Stone	8	10.08			4	5.04	
Driller	1.37	J. Tweit			4	5.48			
Laborer	1.14	F. Cook			8	9.12			
Laborer	.90	J. Picknell			8	7.20			
Tractor Operator	1.50	R. Bragg			4	6.00			
			71	92.87	50	62.21	8	10.08	$165.16

Geologist	A. Mikkola	2 Days @ $16.00	32.00	
Engineer	H. G. Brown	3 Days @ $12.00	36.00	68.00
Supervision	C. Banker	2 Days @ $19.20	38.40	
	F. Taft	1 Day @ $22.10	22.10	60.50
	Total Company Labor			$293.66

Payroll Taxes

Federal Social Security	1.5%
Federal Excise	0.3%
Vermont Unemployment	1.0%
	2.8% of $293.66 -- $8.22

Workmen's Compensation Insurance
4.257% of $293.66 -- $12.50

Breakdown of Labor Charges

Drill Holes		
Casing 24 feet of Hole #574 and 20 feet of Hole #578	$45.75	
Set up on Hole #574 (#578 same set up as #574)	47.12	
		$ 92.87
Preparation		
Moving from Hole #565 to Hole #574	$48.84	
Piping	13.37	
		62.21
Roads		10.08
Total		$ 165.16

April 14, 1952

Mr. McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
DMA 1526 X

Attached hereto are cross section maps showing the progress of diamond drilling together with the regular cost statements covering the captioned project for the month of March 1952.

We obtained a total advance of 1006 feet in March, 962 feet of which was drilled on contract.

The February report shows that Diamond Drill Hole #565 was terminated at a depth of 656 feet in garnet-sericite-biotite schist and Diamond Drill Hole #568 was then drilled from 0 feet to its termination at 769 feet. Due to the fact that Diamond Drill Hole #568 yielded a 50 foot (685' - 735') zone of weak mineralization followed by amphibolite (735' - 769'), the latter formation apparently being the structural bottom of the ore at the Elizabeth Mine, it was deemed advisable to extend Diamond Drill Hole #565 to the amphibolite with the hope of obtaining a better structural picture and of finding the ore zone. During the period of March 1st to March 6th, Diamond Drill Hole #565 was extended from 656 feet to 814 feet for a total contract advance of 158 feet. The amphibolite zone was intersected at a depth of 787 feet from the collar, but mineralization was lacking throughout the hole. Two dip tests were taken at a depth of 814 feet (one broken in hole). No assays were obtained.

In accordance with our letter dated March 14, 1952 regarding a change in plans and your letter of March 18, 1952 in agreement thereto the drilling rig was moved south to station No. 1½ (section 16,450 N) to intersect the ore found at sections 16,200N and 16,700 N. Tearing-down, moving, and setting-up the drilling rig was done during the period from March 7th through March 11th. On March 12th, drilling, reaming, and casing the first 24 feet (22 feet of this was overburden) of Diamond Drill Hole #574 was done and contract drilling commenced. The hole was terminated on March 22nd at a depth of 496 feet from the collar for a total contract advance of 472 feet. Dip tests were taken at depths of 30 feet, 150 feet, 300 feet, and 450 feet. A three foot zone of heavily disseminated sulfides assaying 0.65% was found at a depth of 390.5 feet to 393.5 feet. A nine foot zone from 420 feet to 429 feet showed several high-grade spots of copper and assayed 0.90% Cu. However, 2.8 feet of this was lost core and 2.7 feet was barren quartzite. Some difficulty was encountered at a depth of 270 feet to 280 feet at which point the drilling water was lost and 6 feet of "sand" was encountered. This trouble was corrected by cementing the hole.

On March 24th the triped and drill were adjusted to drill a 55 degree hole from the same station (No. -1½) and the first 20 feet was drilled, reamed, and cased. Contract drilling started on March 25th and continued until March 31st, when a depth of 352 feet was attained for a total contract advance of 332 feet. Dip tests were taken at depths of 26 feet, 140 feet, 200 feet, and 300 feet. The core has not yet been logged and no assays have been taken.

During the month of March there was a total contract advance of 962 feet, 44 feet of casing, 7 dip tests, and 2 assays.

Very truly yours,

(signed) JOHN F. COWLEY

John F. Cowley
President

JFC:ms
Encl.

COPY

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor [3]	165.16	1,125.18	1,290.34			
5. Supervision	128.50	837.41	965.91			
6. Supplies						
(a) Timber	23.08	84.45	107.53			
(b) Explosives						
(c) Repair Parts						
(d) Other	94.98	411.24	506.22			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	12.50	86.30	98.80			
10. Contract Work	2,741.70	13,204.05	15,945.75			
11. Other (specify)						
Assaying	15.00	217.50	232.50			
P/R Taxes	8.22	51.20	59.42			
Total	3,245.14	16,622.38	19,867.52			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by R. W. Arthur
Entered by
Approved by McHenry Mosier 4/17/50
Amount approved for payment $1622.57
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF March 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	92.87		85.42	2,782.70	2,960.99	Feet	962	4,633	5,595	14,400
Overburden										
Rehabilitation and preparation	62.21		32.64		94.85					
Geology and geophysics	68.00				68.00					
Trenching										
Sampling and assaying				15.00	15.00					
Roads and trails	10.08			15.00	25.08					
Test pits										
Other (specify) Supervision	60.50				60.50					
P/R Taxes & Ins.				20.72	20.72					
Totals	293.66		118.06	2,833.42	3,245.14					

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

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

Breakdown of Other Charges

962 feet @ 2.85	2,741.70
Payroll Taxes	8.22
Payroll Insurance	12.50
Company Truck (12 Hrs. @ 2.60)	30.00
Company Tractor (4 Hrs. @ 6.50)	26.00
Assaying	15.00
	$2,833.42

(See Agreement with Diamond Drill Contractor

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 94

Name of Operator Vermont Co pper Company, Inc.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of February 1952

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 21 1952

CERTIFICATION

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

Vermont Copper Company, Inc.
(Name of Company)

By John F Cowley
(Signature of Authorized Official)

March 14, 1952
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]	30.00	87.55	117.55			
(*c*) Furnished by operator	35.00	452.50	487.50			
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

C
O
P
Y

College Park, Maryland

March 20, 1952

Memorandum

To: D. N. Anderson, Finance Officer, Region VIII

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Progress Report - February 1952
Docket No. DMA-1526X

Attached is a copy of the Progress Report for the month of February 1952, from the Vermont Copper Company, Inc., which has been checked by W. T. Millar and approved by me. You will note that the amount for payment for this period by the Government is $1,356.55.

McHenry Mosier

Attachment

McHM:rwa

copy for COMittendorf
DMEA Files 2

RIVER DIAMOND DRILLING
Company Labor

February 1952

Classification	Rate	Name	Drill Holes Hrs.	Drill Holes Amt.	Roads Hrs.	Roads Amt.	Total
Drill Helper	1.26	R. Eastman	16	20.16	6½	8.19	
Driller	1.37	V. Clogston	16	21.92	14½	19.87	
Drill Helper	1.26	W. Wood	8	10.08			
Laborer	1.26	H. Mann	6	7.56			
Tractor Operator	1.41	R. Pollendre			6	8.46	
			46	$59.72	27	$36.52	$96.24

Geologist	A.Mikkola	2 Days @ $16.00	$32.00
Engineer	H.G. Brown	3 Days @ $12.00	36.00
			68.00
Supervision	C. Banker	2 Days @ $19.20	38.40
	F. Taft	1 Day @ $22.10	22.10
			60.50
Total Company Labor			$224.74

Payroll Taxes

Federal Social Security	1.5%		
Federal Excise	0.3%		
Vermont Unemployment	1.0%		
	2.8%	of $224.74 -	$6.29
Workmen's Compensation Insurance-	4.257%	of $224.74 -	9.57

Breakdown of Labor Charges

Drill Holes - Casing Hole $59.72
(1st. 14 feet hole Number 568)
Hole #568 was drilled from same set up as previous hole, therefore there was no set up time.

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
College Park, Maryland

March 20, 1952

Memorandum

To: C. O. Mittendorf
Acting Administrator, DMEA

From: Executive Officer
DMEA Field Team, Region VIII

Subject: Progress Report - February 1952
Docket No. DMA-1526X

Attached are two copies of the Progress Report for the month of February 1952, from the Vermont Copper Co., Inc. This has been approved and is being sent to the Finance Officer for payment of the Government's share.

McHenry Mosier

Attachments

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 21 1952

VERMONT COPPER COMPANY, INC.
South Strafford
Vermont

March 14, 1952

Mr. McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Exploration Administration
Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
DMA 1526-I

Attached hereto are cross section maps showing the progress of diamond drilling together with the regular cost statements covering the captioned project for the month of February 1952.

You will note that we obtained a total advance of 803 feet in two diamond drill holes. During the month we had two severe snow storms of several days each but they did not delay the operations appreciably.

From February 1st through February 4th, diamond drill hole #565 was advanced from 588 to 656 feet for a total contract advance of 68 feet. One dip test was taken at a depth of 646 feet from the collar. No assays were obtained. On February 5th and 6th blasting out for set-up and casing was done preparatory to drilling diamond drill hole #568. On February 7th 6 feet of overburden and the first 8 feet of bedrock was drilled, reamed, and cased for a total of 14 feet. Contract drilling was resumed until February 28th at which time diamond drill hole #568 was terminated at a depth of 769 feet from the collar for a total of 755 feet contract advance. Mineralization varying from weakly disseminated to a trace was found at depths from the collar of: 478 to 479 feet, 503 to 512 feet, 685 to 693 feet, and 704 to 735 feet. One sludge assay showing 0.21% Cu was taken at a depth of 507 to 513 feet. Dip tests were obtained at depths of 20 feet, 150 feet, 300 feet, 500 feet, 602 feet and 769 feet.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:ms

copy for COMittendorf (2)
DAnderson, Pbg.
DMEA CP
JFCowley (2)

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	96.24	1,028.94	1,125.18			
5. Supervision	128.50	708.91	837.41			
6. Supplies						
(a) Timber		84.45	84.45			
(b) Explosives						
(c) Repair Parts						
(d) Other	54.44	356.80	411.24			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	9.57	76.73	86.30			
10. Contract Work	2,345.55	10,858.50	13,204.05			
11. Other (specify)						
Assaying	7.50	210.00	217.50			
P/R Taxes	6.29	44.91	51.20			
Total	2,713.09	13,909.29	16,622.38			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by W. T. Miller
Entered by
Approved by McKenzie Mosier
Amount approved for payment ~~$1216.96~~ $1356.55 W.A.M.
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF February 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	59.72		54.44	2,363.05	2,477.21	Feet	823	3,810	4,633	14,400
Overburden										
Rehabilitation and preparation										
Geology and geophysics	68.00				68.00					
Trenching										
Sampling and assaying				7.50	7.50					
Roads and trails	36.52			47.50	84.02					
Test pits										
Other (specify) Supervision	60.50				60.50					
P/R Taxes & Ins.				15.86	15.86					
Totals	224.74		54.44	2,433.91	2,713.09					

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

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

Breakdown of Other Charges

	823 Feet @ $2.85	$2,345.55	(See Agreement with Diamond Drill Contractor)
	Payroll Taxes	6.29	
	Payroll Insurance	9.57	
	Company Truck - 14 Hrs. @ 2.50	35.00	
(D4)	Outside Tractor Rental-6Hrs. @ 5.00	30.00	
	Assaying	7.50	
		$2,433.91	

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D.C.~~

College Park, Maryland

February 29, 1952

Memorandum

To: C. O. Mittendorf
Acting Administrator, DMEA

From: Executive Officer
DMEA Field Team, Region VIII

Subject: Progress Report - January 1952
DMA Docket No. 1526X

Attached are two copies of the Progress Report for the month of January 1952, from the Vermont Copper Co., Inc. This has been approved and is being sent to the Finance Officer for payment of the Government's share.

McHenry Mosier

Attachments

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 29 1952

xxxxxxxxxxxxxxxx
College Park, Maryland

February 29, 1952

Memorandum

To: D. N. Anderson, Finance Officer, Region VIII

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Progress Report - January 1952
DMA Docket No. 1526X

Attached is copy of the Progress Report for the month of January 1952, from the Vermont Copper Company, Inc., which has been checked by H. L. Burmeister and approved by me. You will note that the amount for payment for this period by the Government is $1,407.67.

McHenry Mosier

Attachment

rwa

copy for DMEA Files 2
COMittendorf ✓

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 29 1952

VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD
VERMONT

February 13, 1952

McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Administration Region VIII
College park, Maryland

Re: Vermont Copper Company, Inc.
DMA 1526 X

Dear Mr. Mosier:

Attached is the progress report covering operations under the captioned contract for the month of January 1952.

Drilling operations have returned to normal following the somewhat curtailed operations during November and December 1951, in spite of the cold weather and snow.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mz
Encl.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 29 1952

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 94

Name of Operator Vermont Copper Company, Inc.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of January 1952

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 29 1952

CERTIFICATION

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

Vermont Copper Company, Inc.
(Name of Company)

By John F Cowley
(Signature of Authorized Official)

February 13, 1952
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	70.05	17.50	87.55			
(c) Furnished by operator	20.00	432.50	452.50			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

M[illegible]L [illegible]UMMARY COST STATEME[illegible]—Co[illegible]ued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures 0						
4. Labor[3]	128.22	900.72	1,028.94			
5. Supervision	131.50	577.41	708.91			
6. Supplies						
(a) Timber	10.65	73.80	84.45			
(b) Explosives						
(c) Repair Parts						
(d) Other	22.64	334.16	356.80			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	11.06	65.67	76.73			
10. Contract Work	2,413.95	8,444.55	10,858.50			
11. Other (specify)						
Assaying		210.00	210.00			
P/R Taxes	7.27	37.64	44.91			
Total	2,815.34	11,093.95	13,909.29			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by [illegible]
Entered by
Approved by McHenry Ulosier 2-28-52
Amount approved for payment 1407.62
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF January 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	80.05		5.00	2,413.95	2,499.00	Feet	847	2,963	3,810	14,400
Overburden										
Rehabilitation and preparation	48.17		22.29	20.00	90.46					
Geology and geophysics	71.00		6.00		77.00					
Trenching										
Sampling and assaying										
Roads and trails				70.05	70.05					
Test pits										
Other (specify) Supervision	60.50				60.50					
P/R Taxes & Ins.				18.33	18.33					
Totals	259.72		33.29	2,522.33	2,815.34					

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

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

Breakdown of Other Charges

	847 ft. @ 2.85		$2,413.95 (See agreement with Diamond drill Contractor)
	Company truck (' hrs. @ 2.50)		20.00
(Smaller Tractors rented) because Company tractor laid up for repairs.	1) Tractor - 7 Hrs. @ 6.00	42.00	
	Operator- 7 Hrs. @ 1.26	8.82	
	2) Tractor - 3 Hrs. @ 5.00	15.00	
	Operator- 3 Hrs. @ 1.41	4.23	70.05
	Payroll Taxes		7.27
	Payroll Insurance		11.06
	Total		$ 2,522.33

River Diamond Drilling
Company Labor

January 1952

Classification	Rate	Name	Drill Holes Hrs.	Drill Holes Amt.	Preparation Hrs.	Preparation Amt.	Total Hrs.	Total Amt.
* Drill Helper	1.14	R. Eastman	16	18.24	15	17.10		
Drill Helper	1.26	R. Eastman	11	13.86	4	5.04		
Driller	1.37	V. Clogston	35	47.95	19	26.03		
			62	$80.05	38	$48.17		
								$128.22
Geologist		H. G. Brown	1 Day @ 16.00			16.00		
		A. Mikkola	2 Days @ 16.00			32.00		
Engineer		R. H. Little	1 day @ 12.00			12.00		
Engineer's Helper		G. Philbrick	1 day @ 11.00			11.00		
								71.00
Supervision		C. Banker	2 days @ 19.20			38.40		
		F. Taft	1 day @ 22.10			22.10		
								60.50
Total Company Labor								$ 259.72

Payroll Taxes

Federal Social Security	1.5%	
Federal Excise	.3%	
Vermont Unemployment	1.0%	
	2.8% of $259.72 -	$7.27
Workmen's Compensation Insurance	- 4.257% of $259.72 -	11.06

* Payroll Raise on R. Eastman effective 1/17/52 - Merit Increase

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 94

Name of Operator Vermont Copper Company, Inc.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of December 1951

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Vermont Copper Company, Inc.
(Name of Company)

By Clarence B. Benson
(Signature of Authorized Official)

January 14, 1952
(Date)

Vice President & Treasurer
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]		17.50	17.50			
(c) Furnished by operator	72.00	360.50	432.50			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
College Park, Maryland

January 25, 1952

Memorandum

To: C. O. Mittendorf
Acting Administrator, DMEA

From: Executive Officer
DMEA Field Team, Region VIII

Subject: Progress Report - December 1951
DMA Docket No. 1526X

Attached are two copies of the Progress Report for the month of December 1951, from the Vermont Copper Co., Inc. This has been approved and is being sent to the Finance Officer for payment of the Government's share.

McHenry Mosier

McHenry Mosier

Attachments

River Diamond Drilling
Company Labor

December 1951

Classification	Rate	Name	Drill Holes Hrs.	Drill Holes Amt.	Preparation Hrs.	Preparation Amt.	Roads Hrs.	Roads Amt.
Driller	1.37	V. Clogston	44	60.28	28½	39.04	12	16.44
Driller	1.37	R. Higgins			5½	7.53		
Driller Helper	1.14	R. Eastman	44	50.16	10	11.40	4	4.56
Labprer	1.26	H. McCrillis			4	5.04	8	10.08
Laborer	1.14	M. Ilsley			5	5.70		
			88	110.44	53	68.71	24	31.08

Total Labor $210.23

Geologist	H. G. Brown	2 days @ 16.00	$32.00
Supervision	C. Banker	2 days @ 19.20	38.40
			$70.40

Total Supervision

Payroll Taxes

Social Security Taxes	1.5%	
Federal Excise	.3%	
Vermont Unemployment	1.0%	
	2.8% of $280.63	- $7.86

Workmen's Compensation Insurance

4.257% of $280.63 - $11.95

VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD
VERMONT

January 15, 1952

McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Administration, Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
DMA 1526 X

Attached is the progress report (4 copies) covering operations under the captioned contract for the Month of December 1951. Also, four (4) copies of diamond drill hole sections, captioned Diamond Drill Station No. 1, Located on Lot #84, Strafford Township, Vermont, Cross Section 17,200 N, and dated December 31, 1951.

Mr. Cowley had to leave here suddenly for a trip before he had a chance to write his usual letter of comments to accompany these reports. Rather than hold up the reports I am sending them along without comments, and if there are any particular points which Mr. Cowley wants to bring to your attention he will write you when he returns next week.

Very truly yours,

Clarence B. Benson

Clarence B. Benson
Vice-President & Treasurer

CBB:mz

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	210.23	690.49	900.72			
5. Supervision	70.40	507.01	577.41			
6. Supplies						
(a) Timber	34.80	39.00	73.80			
(b) Explosives						
(c) Repair Parts						
(d) Other	95.00	239.16	334.16			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	11.95	53.72	65.67			
10. Contract Work	2,017.80	6,426.75	8,444.55			
11. Other (specify)						
Assaying	210.00		210.00			
P/R Taxes	7.86	29.78	37.64			
Total	2,730.04	8,363.91	11,093.95			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by W. L. Burmeister
Entered by
Approved by McHenry Moses
Amount approved for payment 1365.02
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF December 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	110.44		95.00	2,017.80	2,223.24	Feet	708	2,255	2,963	14,400
Overburden										
Rehabilitation and preparation	68.71		34.80	72.00	175.51					
Geology and geophysics	32.00				32.00					
Trenching										
Sampling and assaying				210.00	210.00					
Roads and trails	31.08				31.08					
Test pits										
Other (specify) Supervision	38.40				38.40					
P/R Taxes & Ins.				19.81	19.81					
Totals	280.63		129.80	2,319.61	2,730.04					

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

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

Breakdown of other Charges

708 ft. @ $2.85	2,017.80	(See Agreement with Diamond Drill Contractor
Company truck (8 Hrs. @ 2.50)	20.00	
Company tractor (8 Hrs. @ 6.50)	52.00	
Assaying (8 sludge) (20 cores) @ 7.50	210.00	
Payroll Taxes	7.86	
Payroll Insurance	11.95	
	2,319.61	

1526X

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
College Park, Maryland

December 20, 1951

Memorandum

To: C. O. Mittendorf
Acting Administrator, DMEA

From: Executive Officer
DMEA Field Team, Region VIII

Subject: Progress Report - November 1951
DMA Docket No. 1526X

Attached are two copies of the Progress Report for the month of November 1951, from the Vermont Copper Co., Inc. This has been approved and is being sent to the Finance Officer for payment of the Government's share.

W. T. Millar

W. T. Millar for
McHenry Mosier

Attachments

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 20 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 20 1951

VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD
VERMONT

December 15, 1951

McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Administration, Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
DMA 1526 X

Attached is the progress report covering operations under the captioned contract for the month of November 1951.

You will note that only twenty-six feet of diamond drilling was done following which the drill set up was moved approximately two hundred feet to the west in preparation for the next hole.

Operations were curtailed because of an exceptional amount of absenteeism at the Mine due to the Vermont deer hunting season and the need of company diamond drilling underground and at our open pit.

We have however, started regular drilling again as of December 1st and plan on continuing unless curtailed by extreme weather conditions.

You will also note that we have not submitted copies of the sections showing the log of the drill holes as it appears unnecessary in view of the small amount of drilling.

We are submitting a breakdown of the labor as requested in your letter dated 11/30/51 in accordance with an understanding between your Mr. Newman and ourselves. We also explained the above situation with Mr. Newman at the time of his visit December 7-8, 1951.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mz
Encl.

BUREAU OF MINES
COLLEGE PARK, MD

1951 DEC 20 AM 8 : 15

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 26 1951

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 94

Name of Operator VERMONT COPPER COMPANY, INC.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of November 1951

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

VERMONT COPPER COMPANY, INC.
(Name of Company)

By John H Conley
(Signature of Authorized Official)

December 14, 1951
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2] Adjusted		17.50 OK	17.50			
(c) Furnished by operator	77.50	283.00	360.50			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	168.54	521.95	690.49			
5. Supervision		507.01	507.01			
6. Supplies						
(a) Timber	18.00	21.00	39.00			
(b) Explosives						
(c) Repair Parts						
(d) Other	18.85	220.31	239.16			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	7.17	46.55	53.72			
10. Contract Work	74.10	6,352.65	6,426.75			
11. Other (specify)						
P/R Taxes	4.72	25.06	29.78			
Total	368.88	7,995.03	8,363.91			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by W. L. Bonnewitz
Entered by
Approved by A. T. Miller for Ina Henry Norris
Amount approved for payment 184.44
Remarks Wage rate for payroll tabulation requested.

(10) 26 ft @ 2.85 = 74.10

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF November 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	113.52		18.00	74.10	205.62	Feet	26'	2,229	14,426	
Overburden										
Rehabilitation and preparation	23.29		18.85	77.50	119.64					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails	31.73				31.73					
Test pits										
Other (specify)										
P/R Taxes & Ins.				11.89	11.89					
Totals	168.54		36.85	163.49	368.88					

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

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

Breakdown of Other Charges

26 ' @ $2.85	74.10 (See agreement with D. Drill contractor)
Company tractor (10 Hrs. @ 6.50)	65.00
Company Truck)(5 Hrs. @ 2.50)	12.50
Payroll Taxes	4.72
Payroll Insurance	7.17
Total	163.49

VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD
VERMONT

River Diamond Drilling
Company Labor

November 1951

Classification	Clock No.	Name	Drill Holes Hrs.	Drill Holes Amt.	Preparation Hrs.	Preparation Amt.	Roads Hrs.	Roads Amt.
Driller	16	V. Clogston	21 1.37	28.77	1	1.37		
Driller	24	R. Adolph	8 1.37	10.96	8	16.44 2.055		
Driller	37	R. Higgins	24 1.37	32.88	4	5.48 1.37		
Laborer	49	H. Cloud	8 1.26	10.08				
Laborer	56	J. Wheeler					8	8.64 1.08
Driller	82	J. Judd	8 1.37	10.96				
Helper	133	M. Swift	5 1.37	6.85				
Helper	138	W. Estes	9½ 1.37	13.02				
Tractor Oper.	142	E. Larkin					10¼	14.45 1.41
Laborer	165	W. Durkee					8	8.64 1.08
			83½	$113.52	13	$23.29	26¼	$31.73

Total Labor $168.54

Total Supervision -0-

Payroll Taxes

Social Security Taxes	1.5%		
Federal Excise	.3%		
Vermont Unemployment	1.[illegible]%		
	2.8% of $168.54	-	$4.72

Workmen's Compensation Insurance
4.257% of $168.54 - $7.17

xxxxxxxxxxxxxxxx

College Park, Maryland

December 20, 1951

Memorandum

To: D. N. Anderson, Finance Officer, Region VIII

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Progress Report - November 1951
DMA Docket No. 1526X

Attached is copy of the Progress Report for the month of November 1951, from the Vermont Copper Company, Inc., which has been checked by H. L. Burmeister and approved by me. You will note that the amount for payment for this period by the Government is $184.44.

W. T. Millar for
McHenry Mosier

Attachment

wwa

copy for [illegible] Files 2
[illegible]ittendorf

December 15, 1951

McHenry Mosier, Executive Officer
Bureau Survey Field Team
Defense Minerals Administration, Region VIII
College Park, Maryland

Dear Mr. Mosier:

Re: Vermont Copper Co., Inc.
DMA 1526 X

Attached is the progress report covering operations under the captioned contract for the month of November 1951.

You will note that only twenty-six feet of diamond drilling was done following which the drill set up was moved approximately two hundred feet to the west in preparation for the next hole.

Operations were curtailed because of an exceptional amount of absenteeism at the Mine due to the Vermont deer hunting season and the need of company diamond drilling underground and at our open pit.

We have however, started regular drilling again as of December 1st and plan on continuing unless curtailed by extreme weather conditions.

You will also note that we have not submitted copies of the sections showing the log of the drill holes as it appears unnecessary in view of the small amount of drilling.

We are submitting a breakdown of the labor as requested in your letter dated 11/30/51 in accordance with an understanding between your Mr. Newman and ourselves. We also explained the above situation with Mr. Newman at the time of his visit December 7-8, 1951.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mm
Encl.

COPY

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 94

Name of Operator VERMONT COPPER COMPANY, INC.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of November 1951

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

VERMONT COPPER COMPANY, INC.
(Name of Company)

By John F. Cowley
(Signature of Authorized Official)

December 14, 1951
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2] Adjusted		17.50	17.50			
(c) Furnished by operator	77.50	283.00	360.50			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor [3]	168.54	521.95	690.49			
5. Supervision		507.01	507.01			
6. Supplies						
(a) Timber	18.00	21.00	39.00			
(b) Explosives						
(c) Repair Parts						
(d) Other	18.85	220.31	239.16			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	7.17	46.55	53.72			
10. Contract Work	74.10	6,352.65	6,426.75			
11. Other (specify)						
P/R Taxes	4.72	25.06	29.78			
Total	368.88	7,995.03	8,363.91			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by H. D. Burmeister
Entered by
Approved by W. T. Miller for McHenry Mosier
Amount approved for payment 184.44
Remarks Wage rate for payroll tabulation requested

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF November 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress[4]				
	Wages[1] and salaries	Equipment[2]	Supplies	Other[3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	113.52		18.00	74.10	205.62	Feet	26'	2,229	14,426	
Overburden										
Rehabilitation and preparation	23.29		18.85	77.50	119.64					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails	31.73				31.73					
Test pits										
Other (specify)										
P/R Taxes & Ins.				11.89	11.89					
Totals	168.54		36.85	163.49	368.88					

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

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

Breakdown of Other Charges

26 feet @ $2.85	74.10 (See agreement with Diamond Drill contractor)
Company tractor (10 Hrs. @ 6.50)	65.00
Company truck (5 Hrs. @ 2.50)	12.50
Payroll Taxes	4.72
Payroll Insurance	7.17
Total	163.49

River Diamond Drilling
Company Labor

November 1951

Classification	Clock No.	Name	Drill Holes Hrs.	Drill Holes Amt.	Preparation Hrs.	Preparation Amt.	Roads Hrs.	Roads Amt.
Driller	16	V. Clogston	21	28.77	1	1.37		
Driller	24	R. Adolph	8	10.96	8	16.44		
Driller	37	R. Higgins	24	32.88	4	5.48		
Laborer	49	H. Cloud	8	10.08				
Laborer	56	J. Wheeler					8	8.64
Driller	82	J. Judd	8	10.96				
Helper	133	M. Swift	5	6.85				
Helper	138	W. Estes	9½	13.02				
Tractor Oper.	142	E. Larkin					10½	14.45
Laborer	165	W. Durkee					8	8.64
			83½	$113.52	13	$23.29	26½	$31.73

Total Labor $168.54

Total Supervision -0-

Payroll Taxes

Social Security Taxes 1.5%
Federal Excise .3%
Vermont Unemployment 1. %

2.8% of $168.54 - $4.72

Workmen's Compensation Insurance
4.257% of $168.54 - $7.17

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~
College Park, Maryland

DEPARTMENT OF THE INTERIOR
RECEIVED
DEC 4 1951
Defense Minerals Administration,
Production Expansion Division,

November 30, 1951

Memorandum

To: C. O. Mittendorf, Director, Production Expansion Division

From: Executive Officer, Field Team, Region VIII

Subject: October Progress Report, Docket No. DMA-1526X

Attached are two copies of the October Progress Report from the Vermont Copper Company, Inc. This has been approved and is being sent to the Finance Officer for payment of the Government's share.

W. T. Millar

W. T. Millar for
McHenry Mosier

Attachments

VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD
VERMONT

November 15, 1951

Defense Minerals Administration
U. S. Department of Interior
Washington 25, D. C.

Re: Docket DMA 1526 X

Gentlemen:

Attached hereto are four copies of form MF-104 Strategic and Critical Minerals Exploration Program Operators Monthly Progress Report, four copies of a cross section map at Diamond Drill Station No. 1 showing the location and inclination of the holes drilled during the period together with the logs and assays of the mineralized core.

You will note that D. D. hole No. 527 was extended from 328 feet to 707 feet. The rig was then moved back to the original set up and D. D. hole No. 539 was drilled to a depth of 620 feet during the period.

No unusual difficulties were encountered during the period.

Very truly yours,

John F. Cowley

John F. Cowley
President

JFC:mz
Encl.

By messenger

1951 NOV 28 PM 1:29
BUREAU OF MINES
COLLEGE PARK, MD.

NOV 19 9 23 AM '51
DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.

MF-104
(August 1951)

Budget Bureau No. 22-R1086.2
Approval Expires 6-30-52

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 15 9 23 AM '51

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 94

Name of Operator Vermont Copper Company, Inc.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of October 1951

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Vermont Copper Company, Inc.
(Name of Company)

By John F. Cowley
(Signature of Authorized Official)

November 15, 1951
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]		22.75	22.75			
(c) Furnished by operator	145.00	138.00	283.00			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Contin

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	215.65	306.30	521.95			
5. Supervision	251.77	255.24	507.01			
6. Supplies						
(a) Timber		21.00	21.00			
(b) Explosives						
(c) Repair Parts						
(d) Other	121.42	98.89	220.31			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	20.63	25.92	46.55			
10. Contract Work	2,815.80	3,536.85	6,352.65			
11. Other (specify)						
P/R Taxes	11.10	13.96	25.06			
Total	3,581.37	~~4,418.91~~	8,000.28			
Deletions		4413.66				
Adjusted totals		4413.66	7,995.03			
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by H. H. Zimmerman

Entered by

Approved by W. T. Mullay for McHenry Mosier

Amount approved for payment $ 1790.69

Remarks Item of Sept. of 22.75 was not corrected to 17.50 as it should have been.

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF October 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress[4]				
	Wages[1] and salaries	Equipment[2]	Supplies	Other[3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	141.46		115.72	2,815.80	3,072.98	Feet	988	1241	2,229	14,400
Overburden										
Rehabilitation and preparation	59.59		5.70	80.00	145.29					
Geology and geophysics	172.07				172.07					
Trenching										
Sampling and assaying										
Roads and trails	14.60			65.00	79.60					
Test pits										
Other (specify) Supervision	79.70				79.70					
P/R Taxes & Ins.				31.73	31.73					
Totals	467.42		121.42	2,992.53	3,581.37		988	1241	2,229	14,400

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

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

Breakdown of Other Charges

988 ft. @ $2.85	$2,815.80 (See agreement with Diamond drill Contractor)
Company Truck (32 Hrs. @2.50)	80.00
Company tractor (10 Hrs.@6.50	65.00
Payroll Taxes & Insurance	31.73
Total	$2,992.53

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 94

Name of Operator Vermont Copper Co., Inc.
Docket No. DMA 1526 X
Total Contract Amount $ 51,382.00
Government Participation: 50 % Amount, $ 25,691.00
Distribution of Expenditures for Month of August 20, 1951 - September 30, 1951, Incl.

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

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

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

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

CERTIFICATION

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

Vermont Copper Co., Inc.
(Name of Company)

By John F Owley
(Signature of Authorized Official)

October 12, 1951
(Date)

President
(Title)

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

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
7 hr @ 2.50	17.50					
(b) Rented[2]	22.75					
(c) Furnished by operator	138.00					
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

xxxxxxxxxxxxxxxx
College Park, Maryland

November 5, 1951

Memorandum

To: J. H. Anderson, Finance Officer, Region VIII

From: Executive Officer, Field Team, Region VIII

Subject: Progress Report - August 20, 1951 - September 30, 1951, Incl. Docket UMA No. 1526Y

Attached is copy of the Progress Report for the period August 20, 1951 to September 30, 1951, inclusive, from the Vermont Copper Company, Inc., which has been checked by Stanley A. Feitler and approved by me. You will note that the amount approved for payment for this period by the Government is $2206.83.

McHenry Honier

Attachment

[illegible]

Copy for [illegible] Files [illegible]
[illegible] Attachment

Mr. John F. Cowley, President
Vermont Copper Company, Inc.
South Strafford, Vermont

Re: Docket No. JTA 1526K
Contract Idm -E 94

Dear Mr. Cowley:

We acknowledge receipt of the four copies of progress report, Form IF 104, and one copy of diamond drilling agreement relative to the subject exploration project contract.

The above documents are being forwarded to the Regional Office for checking and certification prior to payment of the Government's participation share of the expenditures.

In the future kindly send the monthly progress reports directly to Mr. McHenry Mosier, Executive Officer, Region VIII, Bureau of Mines, College Park, Maryland. This will expedite processing of your reports as Mr. Mosier is administrator of all exploration contracts in the Northeastern area.

Sincerely yours,

(signed) FRANK E. JOHNSON ACTING

C. O. Mittendorf, Director
Production Expansion Division

DEMoulds/hmj
Typed: 10-17-51
cc to: Reports and Records
Adm. Reading File
Mr. Mittendorf, Olund
Mr. Moulds
Region VIII (2)
Docket

Mr. Thomas

VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD
VERMONT

DEPARTMENT OF THE INTERIOR
RECEIVED
OCT 17 1951
Defense Minerals Administration
Production Expansion Division

5347

October 13, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 17 1951

Defense Minerals Administration
U. S. Dept. of the Interior
Washington 25, D. C.

Re: Docket No. DMA 1526 X

Gentlemen:

Attached hereto are four copies of form MF104, Strategic and Critical Mineral Exploration Program Operators Monthly Progress Report, four copies of a cross section map at Diamond Drill Station No. 1, showing the location and inclination of the holes drilled during the period together with the logs and assays of the core.

The operations commenced August 20, 1951, by clearing an access road and a drill location, actual drilling started about August 23rd.

No unusual difficulties were encountered in drilling the first hole number 516. You will note however, that hole Number 522 flattened excessively in the first two hundred feet and was abandoned. Hole 527 progressed as planned.

A copy of our agreement with the diamond driller doing this work is attached hereto for your information.

Very truly yours,

John F. Cowley

JFC:mz

John F. Cowley
President

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	306.30					
5. Supervision	255.24					
6. Supplies						
(a) Timber	21.00					
(b) Explosives						
(c) Repair Parts						
(d) Other	98.89					
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	25.92					
10. Contract Work	3,536.85					
11. Other (specify)						
P/R Taxes	13.96					
Total	4,418.91					
Deletions	5.25					
Adjusted totals	4413.66					
Totals previously reported						
Totals to date						

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

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

FOR GOVERNMENT USE ONLY

Checked by S.A.F.
Entered by
Approved by McHenry Ulozier
Amount approved for payment $2206.83
Remarks 7 hrs. trucking reduced from $3.25 to $2.50 per hour as per rate specified in Contract I dm-E 94. Total amt reduction is $5.25

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF September 1951

(Supply Data Below Applicable Only to Your Operations)

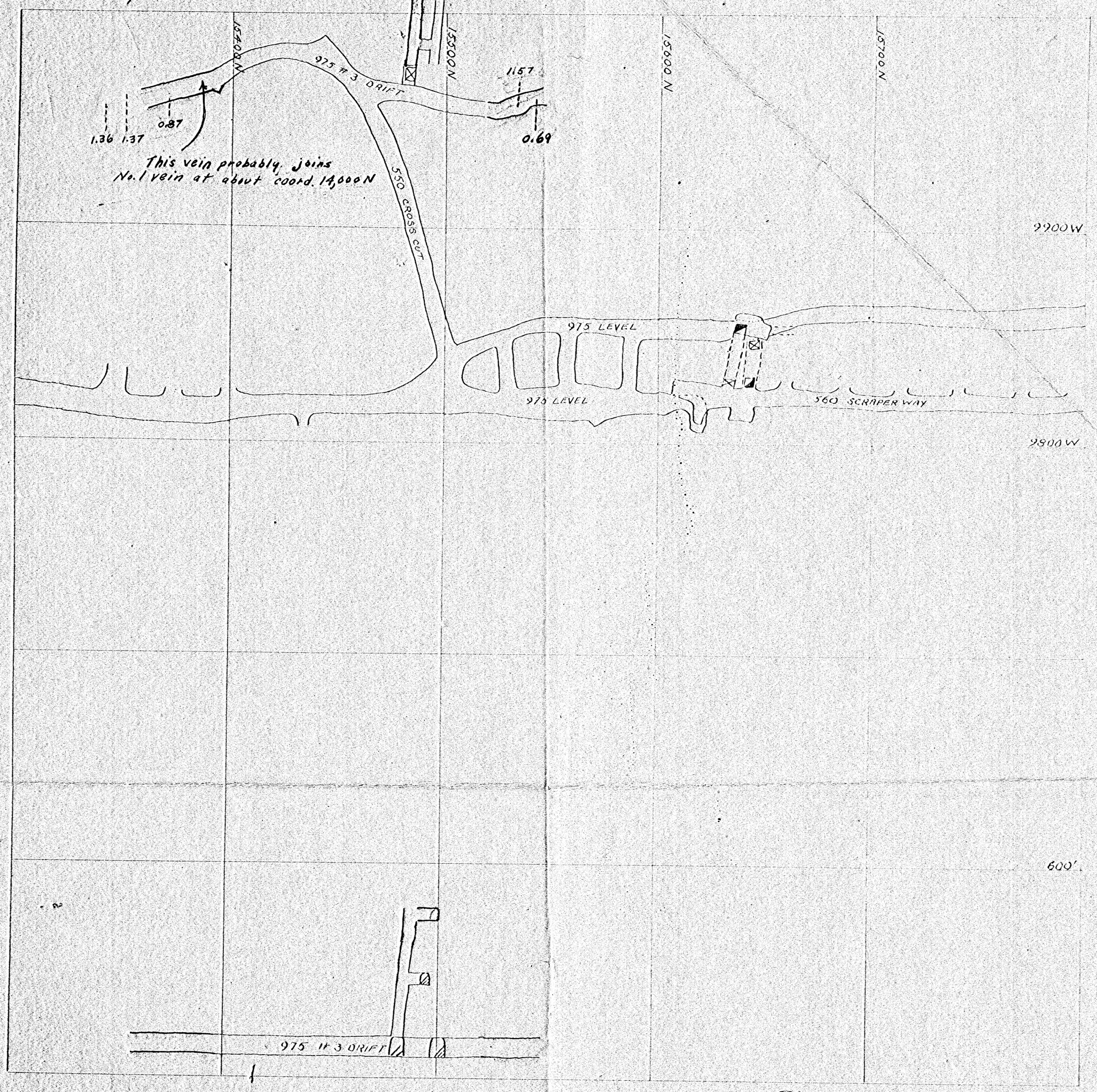
Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes	92.17		7.80	3,536.85	3,636.82		1,241'		1,241'	14,400'
Overburden		68.09	23.00		91.09					
Rehabilitation and preparation	123.89		21.00	22.75	167.64					
Geology and geophysics	141.34				141.34					
Trenching										
Sampling and assaying				15.00	15.00					
Roads and trails	90.24			138.00	228.24					
Test pits										
Other (specify) Supervision	98.90				98.90					
P/R Taxes & Insurance				39.88	39.88					
Totals	546.54	68.09	51.80	3,752.48	~~4,418.91~~ 4412.66		1,241'		1,241'	14,400'

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

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

Breakdown on other charges

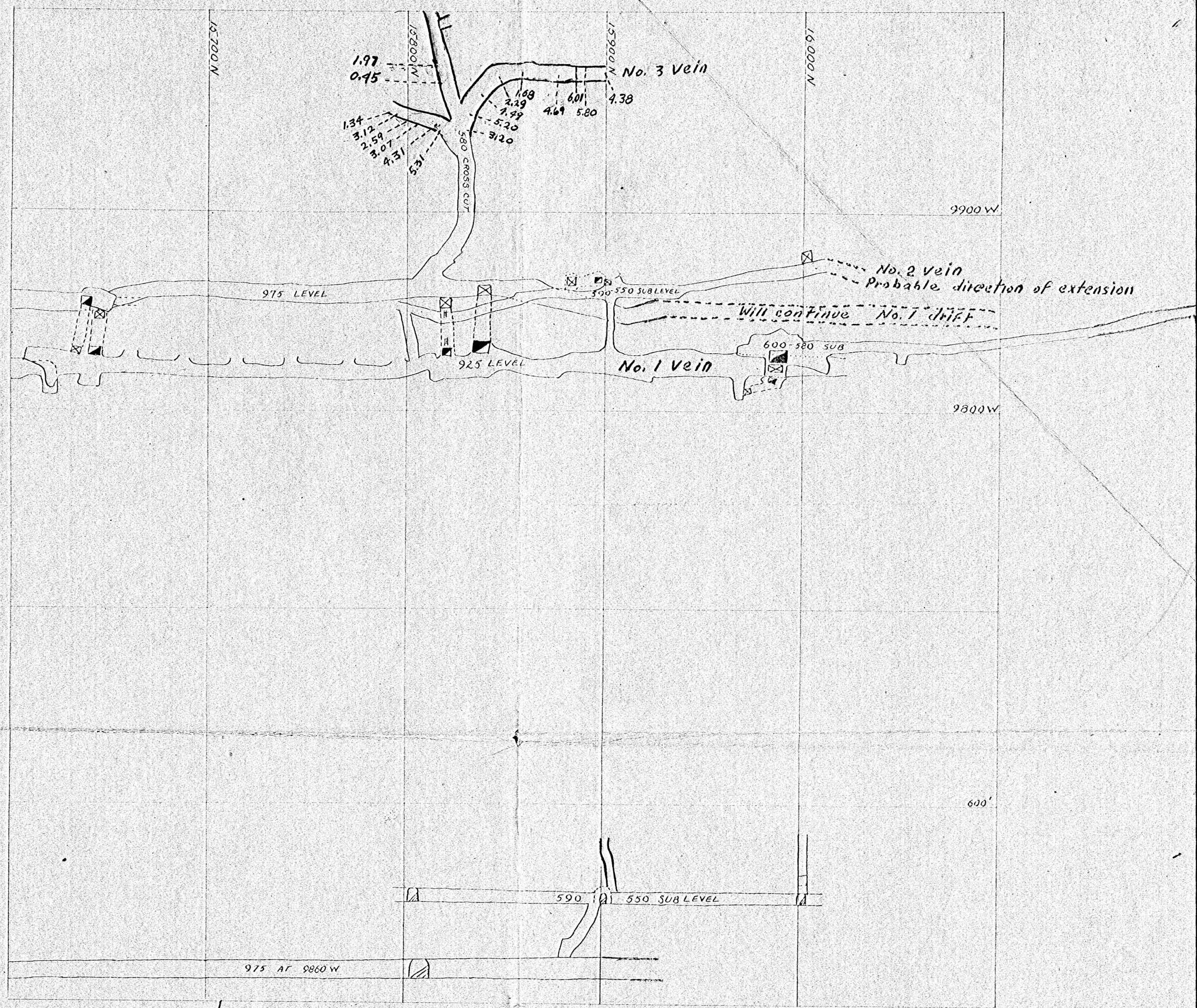
1,241' @ $2.85	$ 3,536.85	(See agreement with Diamond Drill contractor)
Truck Hire 7 Hrs. @ 3.25	~~22.75~~ 17.50	
Assaying - 2 @ 7.50	15.00	
Company truck-24 hrs. @ 2.50	60.00	
Company D6 Tractor 12 Hrs. @ 6.50	78.00	
Payroll Taxes & Insurance	39.88	
	~~$3,752.48~~ 3747.23	



1.36 Assay Percent copper

PLAN AND
LONGITUDINAL SECTION
15300 N TO 15800 N
SCALE: 1 IN = 40 FT September 1953
VERMONT COPPER CO.

DMEA-15 L.K

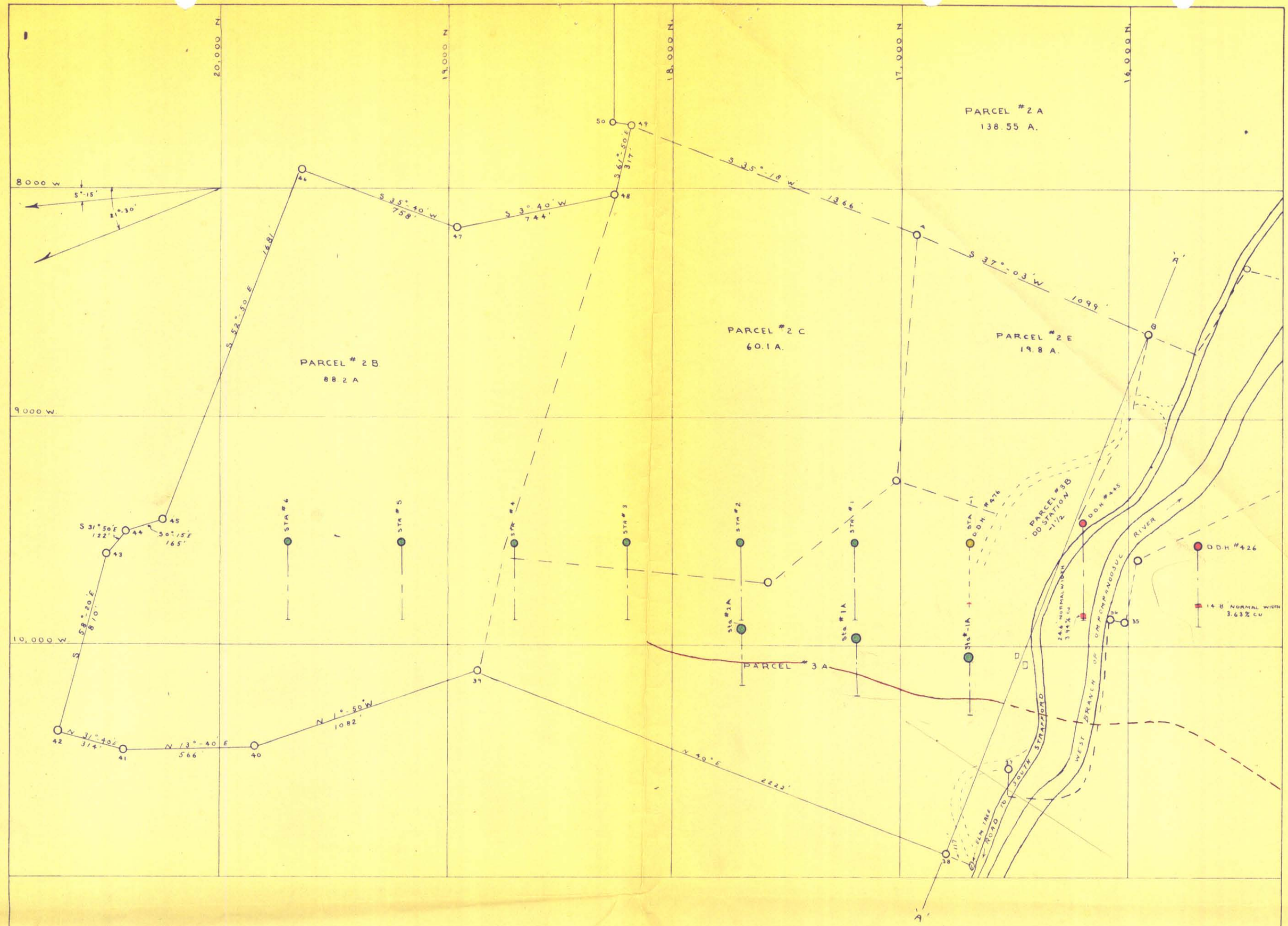


Proposed Extension

5.20 Assay Percent copper

PLAN AND
LONGITUDINAL SECTION
15600N TO 16100N
SCALE: 1IN = 40FT September 1953
VERMONT COPPER CO.

DMEA-1626X



LEGEND

DIAMOND DRILL HOLE - DRILL'G AT PRESENT

COMPLETED DIAMOND DRILL HOLES

PROPOSED DIAMOND DRILL STATIONS

ELECTRO · MAGN · CONDUCTOR

PLAN OF LAND
LOCATED ON LOT #84 IN THE
THIRD DIVISION OF STRAFFORD
TOWNSHIP, ORANGE COUNTY, VT.
OWNED BY
VERMONT COPPER COMPANY, INC.
SOUTH STRAFFORD, VERMONT.

SCALE: 1 INCH = 400 FT.

MAY 29, 1951