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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS RECEIVED JAN 31 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

FEB - 6 1956 Xdn-3 295

Month of December 1955 Docket No. DMEA 2309 Contract No.
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 100,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:				2/28/56	2/28/56	2/28/56 - J.W.A.
Drilling						
Bulldozing						
Crosscutting						
Drifting 125.0 ft. @ 830.00	3,750.00	1,158.14	4,908.14			
(2) Labor and Supervision:						
Labor		50,111.32	50,111.32			
Supervision		10,312.31	10,312.31			
Technical Services		370.29	370.29			
(3) Operating Mat'ls. and Supplies:						
Timber		4,338.22	4,338.22			
Explosives		3,699.12	3,699.12			
Pipe		1,369.28	1,369.28			
Track		1,609.98	1,609.98			
Power		1,632.78	1,632.78			
(4) Operating Equipment:						
Rental		4,141.57	4,141.57			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1,358.60	1,358.60			
Sampling and Analysis		232.45	232.45			
Payroll Taxes		1,329.29	1,329.29			
Liability Insurance		3,499.25	3,499.25			
Truck Transportation of Supplies		1,607.69	1,607.69			
Misc. Tools & Supplies		8,250.45	8,250.45			
(8) Contingencies (specify):						
Misc., Autos & Gen. Expense		7,069.16	7,069.16			
Totals	3,750.00	102,438.90	106,188.90			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date January 26, 56 *Payee COMET MINES, INC.
By [signature] Title Treasurer

*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:

$ 1875 00

Signature
(Authorized Certifying Officer)

Date FEB 1 1956 Vou. No. SF-DMEA-27

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E296 in accordance with the terms of the contract.

Signature Glenn C. Gentry Title Mining Engineer Date 1/30/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature D. Ricker Title Executive Officer Date 1/30/56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
FEB - 6 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 5 Docket No. DMEA 2309 Contract No. Idm-E 295
Operator's Name Coast Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	3,750.00	125.0	*44,792.78	1524.8	29.38	1700	30.00
Crosscutting	Ft.			3,959.16		46.04		
Raising	Ft.			44,679.69		118.71		
Shafts				905.19		150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Mining	Cu.Ft.			11,652.00		1.90		
TOTAL DISTRIBUTED COSTS							TOTAL COSTS AUTHORIZED BY CONTRACT	
Operating Equipment Purchased							$190,000.00	
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,750.00		106,188.90				

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

REMARKS: *Corrected for liquidation of property purchased as per December audit.

Date January 26, 1956 Operator COAST MINES, INC.

Per [signature] Title Treasurer

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)

[signature]

INSTRUCTIONS

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

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

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

GPO 872894

COMBINED METALS REDUCTION COMPANY

Report on DMEA Project/2309 - Month of December, 1955 - Comet Mines, Inc.

January 16, 1956

Mr. Paul Gemmill, Plant Manager

Reginald O. Lee

Dear Paul:

Work under DMEA Project/2309 was continued during the entire month of December.

The northeast drift on 465 level was advanced 125.0 feet (Stage II, under amended contract).

The first 70 feet of the advance showed considerable oxidized mineralization, the last 55 feet the fissure narrowed to average width of 20 inches with only scant amount of mineralization.

Average assay value of 130 tons stockpiled was 0.03 oz. gold, 3.2 oz. silver, 0.9% lead, 1.1% zinc and 0.5% copper.

Water had to be hauled from Casselton for drilling and domestic use.

COPY

Very truly yours,

Reginald O. Lee

Reginald O. Lee

FORM 25

COMET MINES, INC.
Pioche, Nevada
January 1, 1956.

TO:

D.M.&.A. Project/2309

Drift advance under DMA Project/2309 during the month of December, 1955.

125.0 feet of drifting	@ $30.00	$ 3,750.00
Total for December, 1955		$ 3,750.00

APPROVED:

Frank H. Ludeman

Ward Gemmill

Certified True Copy:

Raymond G. Lee

-1678

REFERENCES A-1646

COMBINED METALS REDUCTION CO.

Comet Mines Incorporated

Pioche, Nevada

Docket No. DMEA-2309 IDM-E 295

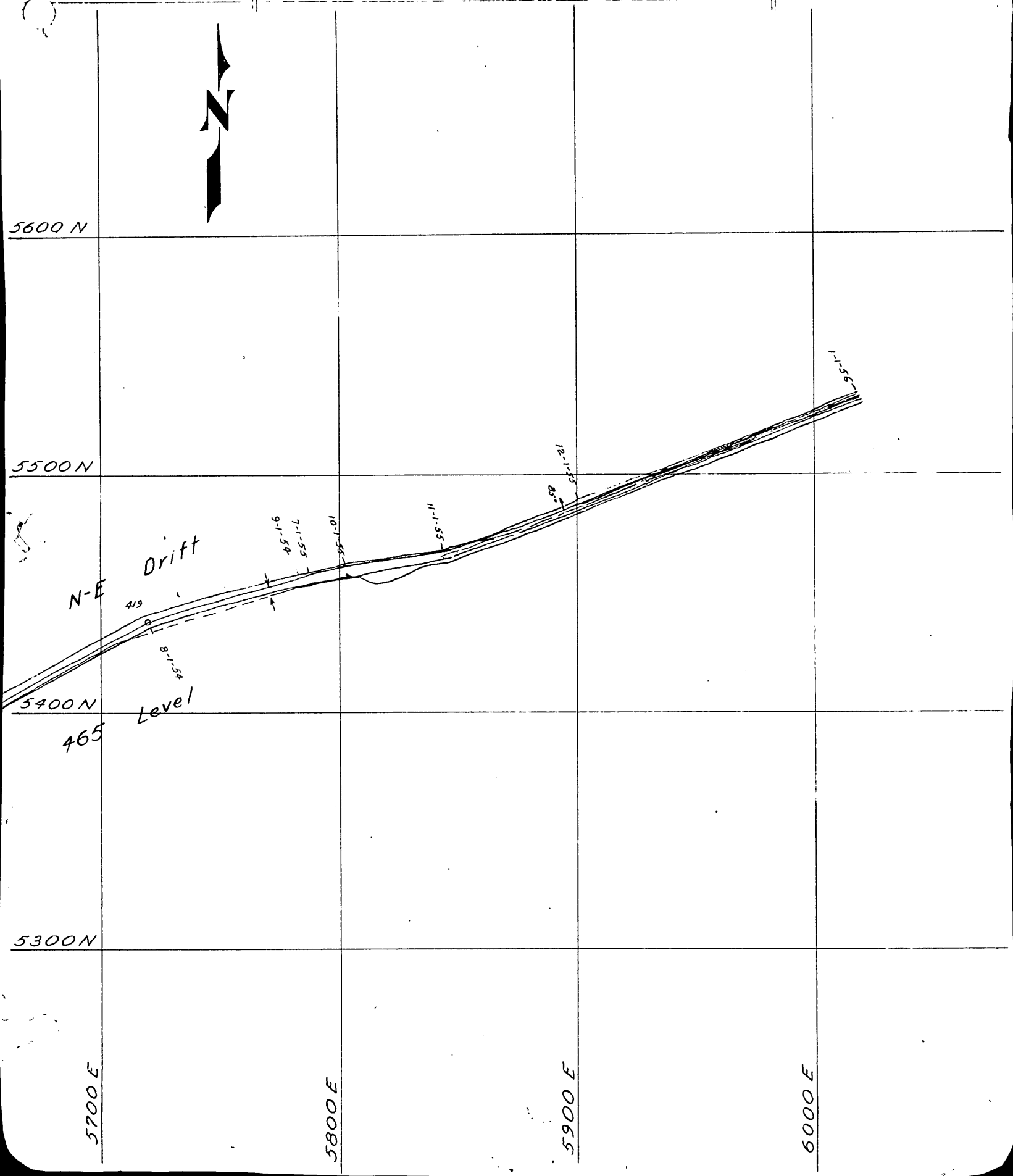
July 20, 1955

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 50'



RECEIVED
JAN 12 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date 1/10/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington, 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -
Docket DMEA 2309

Contract Idm-E 295

Commodity lead-zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln Co., Nev.

By R. W. Osterstock, USGS

Dated 1/4/56

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments

Copy to: R. M. Smith--USGS (w/copy of report)
Finance Officer, Region II (w/copy of report)
File

BUREAU OF MINES
WASHINGTON, D. C.

JAN 12 9 15 AM '56

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Mineral Deposits Branch
4 HOMEWOOD PLACE
MENLO PARK, CALIFORNIA

IN REPLY REFER TO:

REPLY TO	INITIAL	DATE
Rustad	SR	3/10/56
ANSWERED		

January 4, 1956

RECEIVED
JAN 12 1956

Memorandum

To: DMEA Field Team, Region II

From: R. W. Osterstock

Subject: DMEA-2309 (lead-zinc)
Comet Mines, Inc.
Comet mine
Lincoln County, Nevada
Contract No. Idm-E295 (amended)
INTERIM REPORT

The subject property was inspected on December 14, 1955 by R. W. Osterstock (USGS) and G. G. Gentry (USBM). Mr. R. G. Lee was present as a representative of the operator.

Northeasterly drifting operations on the 465-foot level along the Comet vein have progressed as drawn on the accompanying sketch map. The vein structure continues to be strong and persistent, and the siliceous vein material may average 4 feet in thickness. Banded, vuggy, milky quartz and some clear crystalline quartz comprise the gangue in the vein zone. It is apparent that most of the ore minerals which once existed in the vein have been leached away as a result of oxidation, especially the zinc. In at least three spots along the last 100 feet of drift relic structures indicate the former presence of at least 6 inches of sphalerite. The minerals remaining in the vein zone are a small amount of fine to coarsely crystalline galena, some green copper stain which is

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION II
RECEIVED

1956 JAN 6 PM 1 : 31

RENO, NEVADA

tentatively identified as chrysocolla, and a dark blue-black copper mineral which may be fine chalcocite intimately mixed with fine quartz. Iron and manganese staining is common and some pyrite may still be noted. The presence of silver, possibly as tetrahedrite, is indicated by assays.

Following is a list of recent assays taken in the vein zone (refer to accompanying sketch for location):

Sample No.	Au	Ag	Pb	Zn	Cu
USBM 1711	Tr.	1.10	<0.1	<0.1	0.18
USBM 1712	.04	10.65	0.1	0.3	0.87
USBM 1713	.04	14.45	<0.1	0.6	0.92
USBM 72 cars			0.72	1.3	0.72
USBM 25 cars			.9	1.0	.8
Operator's car samples					
11-25	.04	4.86	1.0	0.8	0.2
11-26	.03	4.27	0.9	0.9	2.5
11-28	.06	7.14	1.0	0.9	1.0
11-29	.08	11.92	1.0	1.4	2.4
11-30	.05	5.95	1.0	1.9	0.5
12-2	.04	2.86	0.9	1.4	1.0
12-3	.03	5.97	1.0	1.0	0.5
12-6	.03	6.87	0.9	1.4	2.7
12-7	.05	14.35	0.5	2.7	9.1
12-8	.04	6.86	0.7	1.0	1.3
12-9	.03	3.97	0.8	1.0	0.25

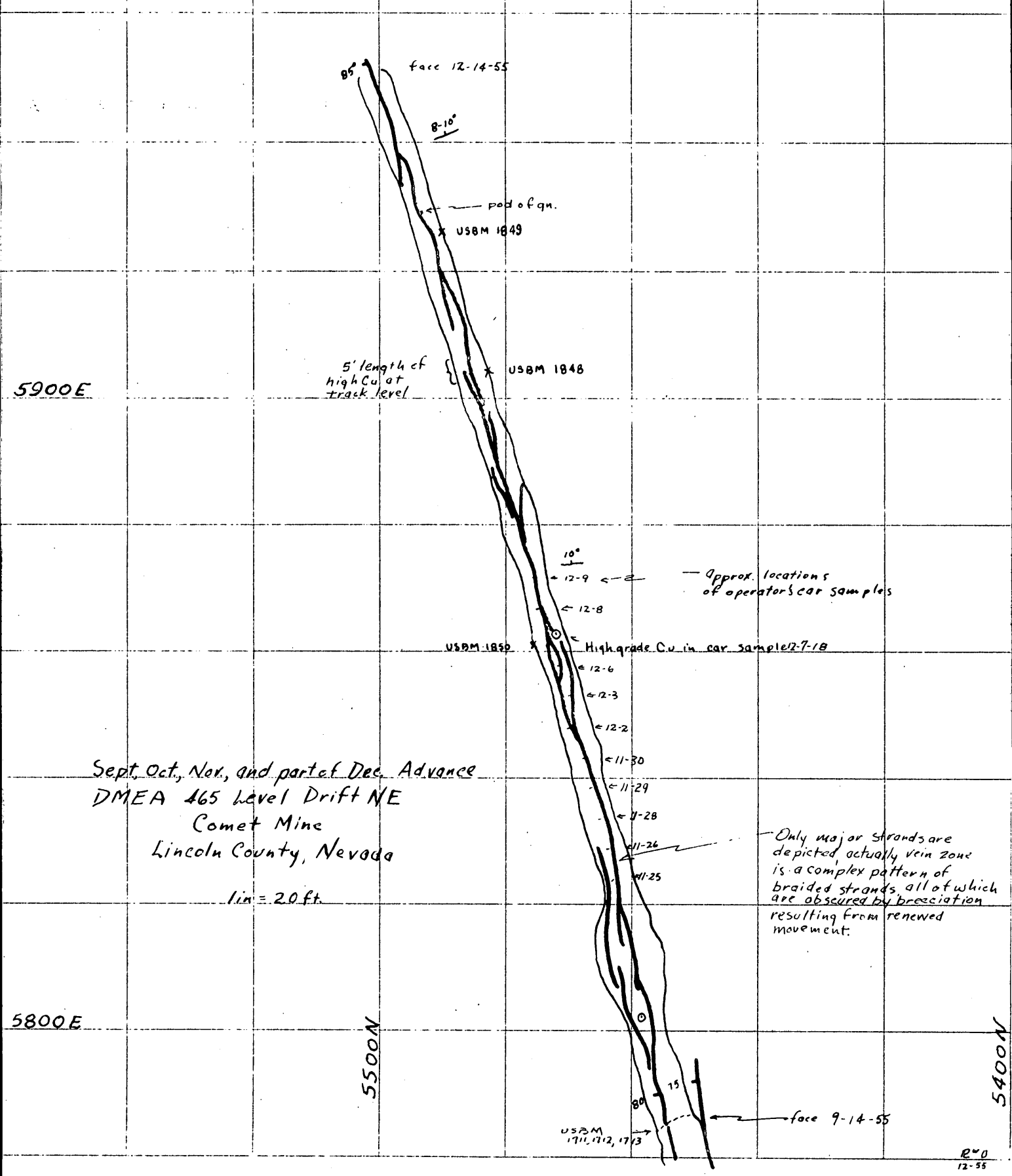
Assay data has not yet been received on USBM samples 1848, 1849, and 1850.

It is noteworthy that the higher copper values are often accompanied by proportionately higher silver values which may indicate the presence of freibergite.

Although the Comet vein continues to be a strong persistent structure there is small chance that any minable concentrations of ore will be encountered as long as the zone is so completely oxidized in its present position in the non-precipitative Prospect Mountain quartzite. With further advance the upper beds of the quartzite will be intersected, and it is to be hoped that the overlying Pioche shale will have provided an effective capping both with regard to the original mineralizing solutions and later to the downward percolating ground waters which have effected the oxidation. A costly feature of the project is the relatively low dip of the quartzite beds which makes necessary a large amount of drifting to achieve a small amount of stratigraphic penetration.

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET NO. 2309
Idm E-295



Sept, Oct., Nov., and part of Dec. Advance
DMEA 465 Level Drift NE
Comet Mine
Lincoln County, Nevada

1 in = 20 ft.

R-0
12-55

Form [illegible]-144 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires [illegible]-53.

RECEIVED
JAN 11 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November 5 2309 Idm-E 295
Operator's Name Comet Mines, Inc. Docket No. DMEA Contract No.
Address P. O. Box 150, SaltLake City, Utah Minerals
Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing				1/20/56		
Crosscut 62,0[illegible] @ $30.00	1,860.00	1,830.00	3,690.00	1,860.00		
Drifting				-1326.42	-1200.00	1/20/56.
Less final liquidation of equipment						
(2) Labor and Supervision:		50,111.32	50,111.32			
Labor		10,312.31	10,312.31			
Supervision		379.29	379.29			
Technical Services						
(3) Operating Mat'ls. and Supplies:		4,338.22	4,338.22			
Timber		3,899.12	3,899.12			
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Liability Insurance						
Less Suspension per audit of 10/28/55				-5.44		
Transportation of Supplies		1,807.69	1,807.69			
(8) Contingencies (specify): Misc. Tools & Supplies		8,250.45	8,250.45			
Whse., Autos & Gen. Expense		7,069.16	7,069.16			
TOTALS	1,860.00	103,110.76	104,970.76	528.14	101,910.76	102,438.90

I certify that the above bill is correct and just and that payment therefor has not been [illegible]
Date 12/12/55 *Payee Comet Mines, Inc.
Per [signature] Title Treasurer

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(Instructions on reverse)

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

$ 264.07

Signature [illegible]
(Authorized Certifying Officer)

Date DEC 28 1955 Vou. No. SF-Dmea-22
(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-E295 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 12/14/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 12/14/55

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GPO 83-38476

Form MF-104A
(April 1952)

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

RECEIVED
JAN 11 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 195 5 Docket No. DMEA 2309 Contract No. Idm-E 295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	1,860.00	62.0	43,574.64	1399.8	31.13	1700	30.00
Crosscutting	Ft.			3,959.16		46.04		
Raising	Ft.			44,879.63		119.71		
Shafts				905.19		150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Raising	Cu.Ft.			11,652.03		1.80		
				2531.86				
TOTAL DISTRIBUTED COSTS							TOTAL COSTS AUTHORIZED BY CONTRACT	
Less final liquidation of equipment		-1,326.42					190,000.00	
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Less suspension per audit		5.44						
TOTAL COSTS		~~[illegible]~~ 528.14		~~[illegible]~~ 102,438.90				

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.

* Total deducted from Oct. & Nov. MF-104 per audit of 10/25/55

Date 12/12/55 Operator Comet Mines, Inc.

Per [signature] Title Treasurer

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)

[signature]

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

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JAN 11 1956

Report on DMEA Project/2309 - Month of November, 1955 - Comet Mines, Inc.

December 8, 1955

Mr. Paul Gemmill, Plant Manager

Reginald G. Lee

Dear Paul:

Work on DMEA Project/2309 was continued during the entire month of November.

The northeast drift on 465 level was advanced 62.0 feet for the month (Stage II, under amended contract). The quartz fissure averaged 4 feet in width and showed an increase in mineralization, although most of the zinc mineral had been removed by leaching.

Average assay value of 200 - one tons mine cars were as follows: Au .03 oz., Ag 2.5 oz., Pb .80%, Zn .70%, Cu .40%.

A car slide for switching cars near the heading was installed to speed up mucking and tramming. Ventilation at the heading was improved by installation of 12" vent pipe and larger blower fan.

Drilling is the most time consuming due to the hard and vuggy character of the fissure.

Decreasing water flow at the Comet Spring made it necessary to haul water from the Pan American and Casselton. The spring was cleaned out but the water flow is yet below consumption at the Comet Mine.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

RECEIVED
JAN 11 1956

COMET MINES, INC.
Pioche, Nevada
December 1, 1955

To:
D.M...A. Project/2309

Drift advance under DMEA Project/2309 during the month of November, 1955.

62.0 feet of drifting × $30.00 $ 1,860.00

Total for Nov. $ 1,860.00

APPROVED:

Gareth H. Sheldon

Certified True Copy:

Reginald G. Lee

NO A-1678

REFERENCES A-1646

COMBINED METALS REDUCTION CO.

Comet Mines Incorporated

Pioche, Nevada

Docket No. DMEA-2309 IDM-E 295

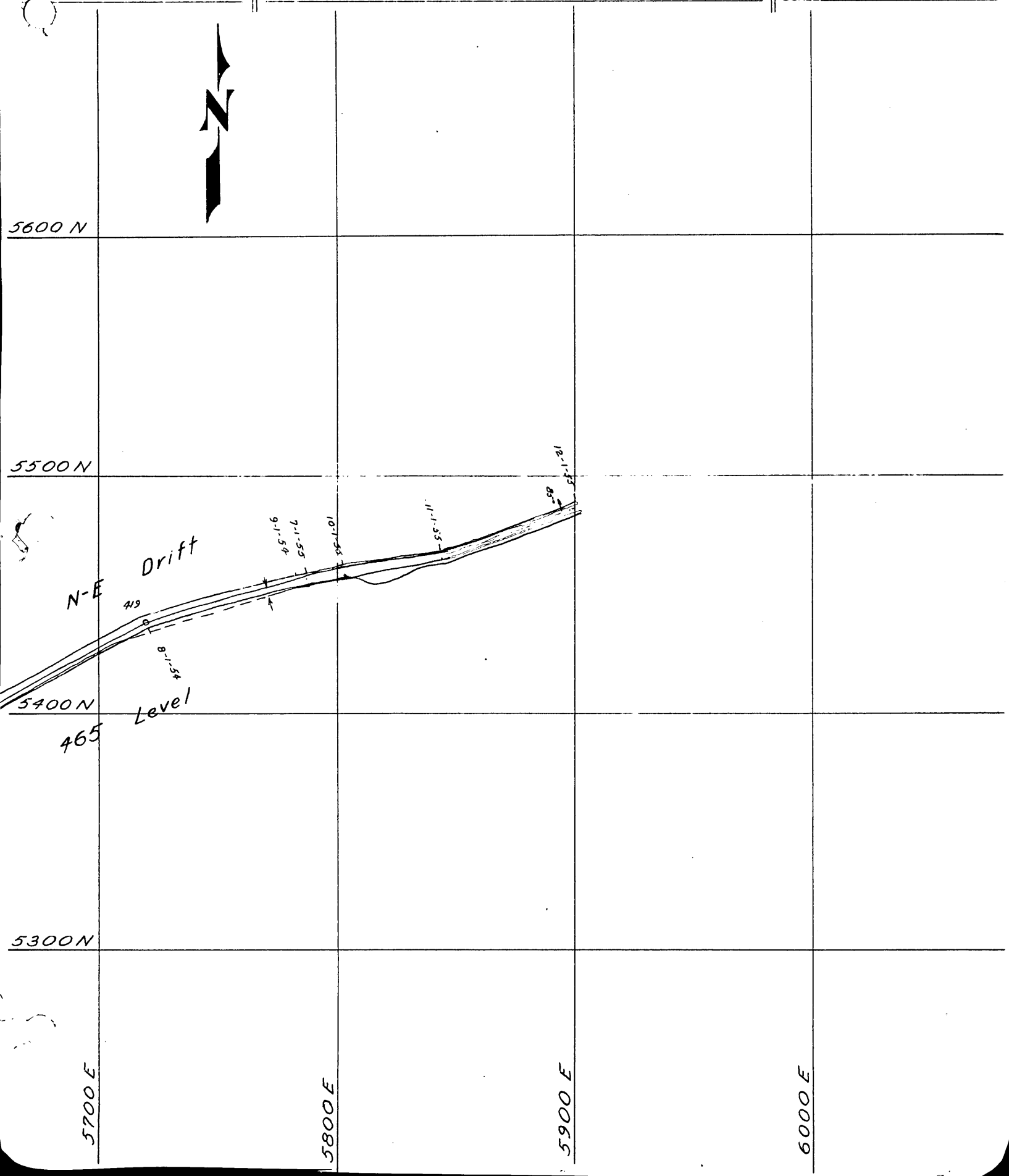
July 20, 1955

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 50'



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JAN 1 1956

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 11 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1955 Docket No. DMEA 2309 Contract No. [illegible]-295

Operator's Name Comet Mines, Inc. Minerals

Address P. O. Box 150, Salt Lake City, Utah

Contract Amount, $190,000.00 Government Participation: 50 % Amount, $95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting				1/20/56		
Drifting 40.0' 30.00	1,200	630.00	1,830.00	1,200.00	630.00	1,830.00
Less partial liquidation of equipment				-1,200.00		-1,200.00
(2) Labor and Supervision:						1/20/56 J.W.A.
Labor		50,111.32	50,111.32			
Supervision		10,312.31	10,312.31			
Technical Services		379.29	379.29			
(3) Operating Mat'ls. and Supplies:						
Timber		4,338.22	4,338.22			
Explosives		3,899.12	3,899.12			
Pipe		1,309.28	1,309.28			
Track		1,609.98	1,609.98			
Power		1,632.78	1,632.78			
(4) Operating Equipment:						
Rental		4,141.57	4,141.57			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1,398.60	1,398.60			
Sampling and Analysis		232.45	232.45			
Payroll Taxes		1,329.29	1,329.29			
Liability Insurance		3,499.25	3,499.25			
Truck Transp. of Supplies		1,307.69	1,307.69			
Misc. Tools & Supplies		8,250.45	8,250.45			
(8) Contingencies (specify): Misc., Autos & Gen. Exp.		7,069.16	7,069.16			
Totals	1,200	101,910.76	103,110.76	-0-	101,910.76	101,910.76

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

Date 11/17/55 *Payee Comet Mines, Inc.

Per [signature] Title Treasurer

*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
(Authorized Certifying Officer)

Date Vou. No. 5E-DMEA-22

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

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

MAIL CENTS NOV 29 1955 RECEIVED

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

JAN 11 1956

Month of October 1955 Docket No. DMEA 2300 Contract No. [illegible] 295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah

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
				84,714.69				
Drifting	Ft.	1,200.00	40.0	41,710.00	1337.8	31.18	1700	30.00
Crosscutting	Ft.			3,959.46	88.0	45.04		
Raising	Ft.			44,579.69	381.1	118.71		
Shafts				905.19	6.0	150.87		
Winzes						—		
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails				11,652.09				
Raising	Cu.Ft.			11,652.00		1.00		
TOTAL DISTRIBUTED COSTS		1,200.00	40.0					TOTAL COSTS AUTHORIZED BY CONTRACT
Less Partial liq. of equip.		-1,200.00		-1200.00				
Operating Equipment Purchased								190,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		~~1,200.00~~ -0-		~~103,210.76~~ 101,910.76				

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

REMARKS:

Date 11/17/55 Operator Comet Mines, Inc.

Per [signature] Title Treasurer

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)

[signature]

INSTRUCTIONS

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

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

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

GPO 872894

COMBINED METALS REDUCTION COMPANY

RECEIVED
JAN 11 1956

Report on DMEA Project/2309 - Month of October, 1955 - Comet Mines, Inc.

November 10, 1955

Mr. Paul Gemmill, Plant Manager

R. G. Lee

Dear Paul:

Work on DMEA Project/2309 was continued during October.

The northeast drift on 465 foot level was advanced 40.0 feet during the month. (Stage II, under amended contract).

The fissure is from 3 to 4 feet wide containing some oxidized mineralization of iron and a lesser amount of lead, zinc and copper.

Average assay value of grab samples taken from 204 one ton mine cars were as follows:

0.6% Pb, 0.6% Zn, and 0.4% Cu

Silver assays from the above samples are not available yet.

COPY

Very truly yours,

Reginald G. Lee

Reginald G. Lee

FORM 25

COMET MINES, INC.
Pioche, Nevada
November 1, 1955

RECEIVED
JAN 11 1956

TO:
D.M.E.A. Project/2309

Drift advance under DMEA Project/2309 during the month of October, 1955.

40.0 feet of drifting	@ $30.00	$ 1,200.00
	Total for Oct.	$ 1,200.00

APPROVED:

Frank H Anderson

Certified True Copy:

Raymond G Lee

NO. 1678

REFERENCES A-1646

COMBINED METALS REDUCTION CO.

Comet Mines Incorporated

Pioche, Nevada

Docket No. DMEA-2309 IDM-E 295

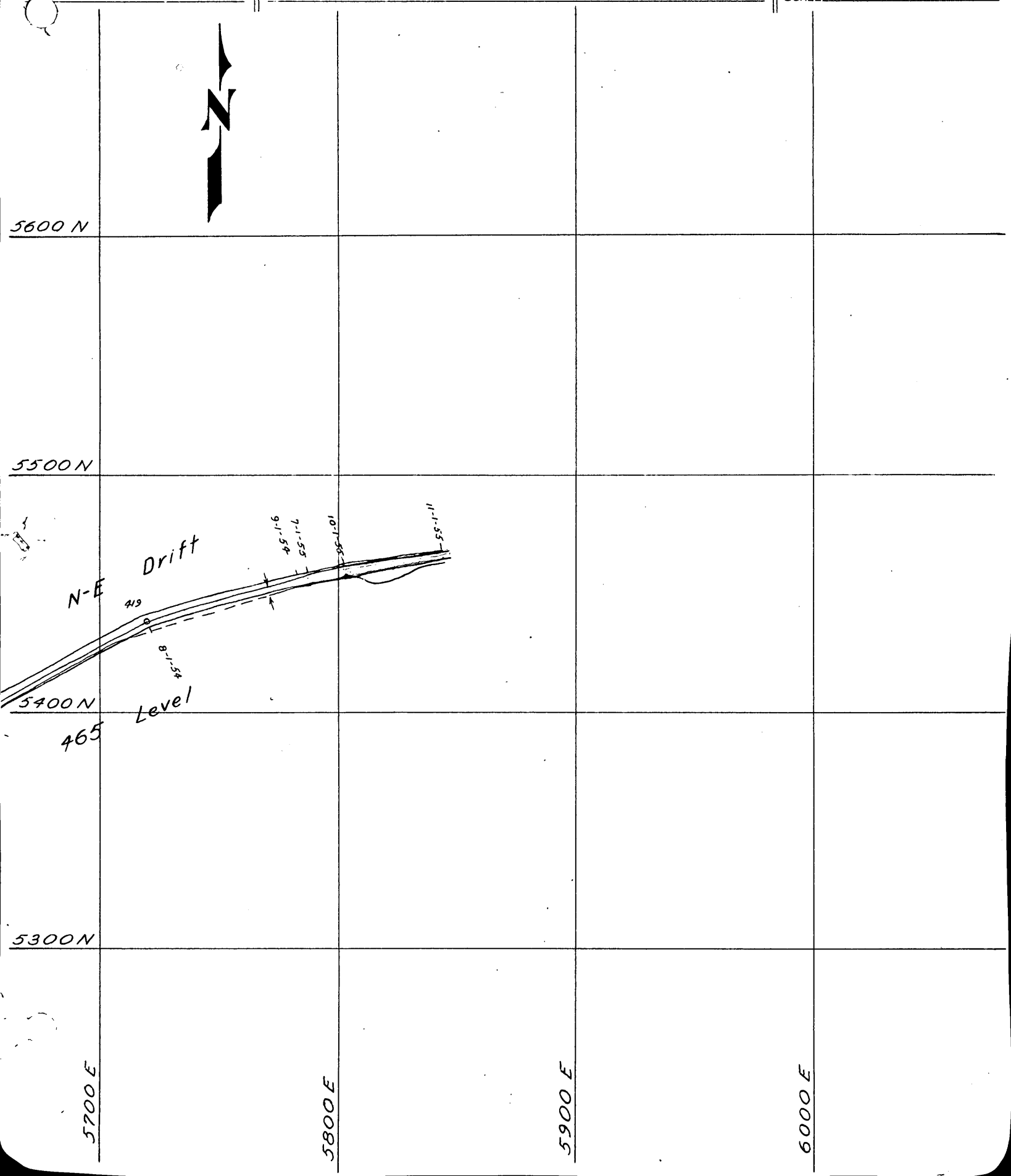
July 20, 1955

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 50'



RECEIVED
JAN 11 1956

REGION II
SEMI-ANNUAL REPORT
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Docket No.: DMEA-2309 (Lead-zinc) **Date:** 12/31/55

Contract No.: Idm-E295

RECEIVED
JAN 17 1956

Operator: Comet Mines, Inc.
Pioche, Lincoln County, Nevada

Date of Contract: 4/16/52 **Completion Date:** 10/16/56

	Total	Expenditures	Gov't Participation
Amount of Contract:	$190,000.00	$107,000.00	$53,500.00

Date Certified: Not yet certified. Certification will be recommended.

Estimated Reserves

DMEA Project	Tons	Grade	Gross Value
Measured:	(Estimate of reserves to be		
Indicated:	(made upon completion of		
Inferred:	(project.		
January 1, 1956			
Measured:	200	(0.80% Pb, 0.70% Zn,	
Indicated:	2,800	(0.40% Cu, 2.5 oz. Ag,	
Inferred:	5,200	(0.03 oz. Au per ton	$85,116.00

	This Period	Todate	Gross Value
Production:	200	705.462	$5,381.39

	This Period	Todate	Percent Payment
Royalty:	0	$41.60	0.078

Status: The operator is advancing the 465 level in a northeasterly direction, following a well-defined vein of quartz which contains sparse sulfide mineralization.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date 12/27/55

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington, 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -
Docket DMEA 2309

Contract Idm-E 295

Commodity Lead-zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln Co., Nev.

By Glenn G. Gentry

Dated 12/21/55

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DEC 30 1955

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments

Copy to: R. M. Smith--USGS (w/copy of report)
Finance Officer, Region II (w/copy of report)
File

INTERIM REPORT

Docket No.: DMEA-2309 (Lead-zinc) December 21, 1955

Name and address of operator: Comet Mines, Inc.
Pioche, Nevada

Name and location of property: Comet Mine
Lincoln County, Nevada

Contract No.: Idm-E295 - amended

Accompanied by Mr. R. G. Lee, representing the operator, a joint inspection of the Comet mine was made on December 15 by members of the Bureau of Mines and the Geological Survey.

The operator continues to employ four men, working one shift per day and 6 days per week; and has made an increased advance during the month of December. The exploration work is confined entirely to advancing the 465 foot level in a northeasterly direction. This drifting, following the quartz filled fissure, has been successful in disclosing minable widths of quartz which shows varying degrees of sulfide mineralization. Car samples taken by the operator have been analyzed as follows:

				Ounces		Percent		
No.	Description	Date	No. Cars	Au	Ag	Pb	Zn	Cu
112963	465 level NE drift	11/25/55	17	0.04	4.86	1.0	0.8	0.2
112964	"	11/26/55	15	0.03	4.27	0.9	0.9	2.5
112965	"	11/28/55	15	0.06	7.14	1.0	0.9	1.0
112966	"	11/29/55	17	0.08	11.92	1.0	1.4	2.4
112967	"	11/30/55	19	0.05	5.95	1.0	1.9	0.5
112969	"	12/2/55	17	0.04	2.86	0.9	1.4	1.0
112970	"	12/3/55	-	0.03	5.97	1.0	1.0	0.5
112971	"	12/6/55	13	0.03	6.87	0.9	1.4	2.7
112972	"	12/7/55	18	0.05	14.35	0.5	2.7	9.1
112973	"	12/8/55	-	0.04	6.86	0.7	1.0	1.3
112974	"	12/9/55	-	0.03	3.97	0.8	1.0	0.25

RECEIVED
DEC 30 1955

Three samples of the quartz vein, taken across the back of the drift, Nos. 1848, 1849 and 1850, were taken by the examiners. The results of these samples will be included in the next interim report.

Crude ore now stockpiled adjacent to the mine, amounts to an estimated 175 tons. A shovel sample of a part of this material, No. 1851, was taken and will be reported at a later date.

Work completed: 465 level, Northeast drift.

	Feet
Previously reported	985.78
Advance 1/26-12/15	140.00
Total	1,125.78

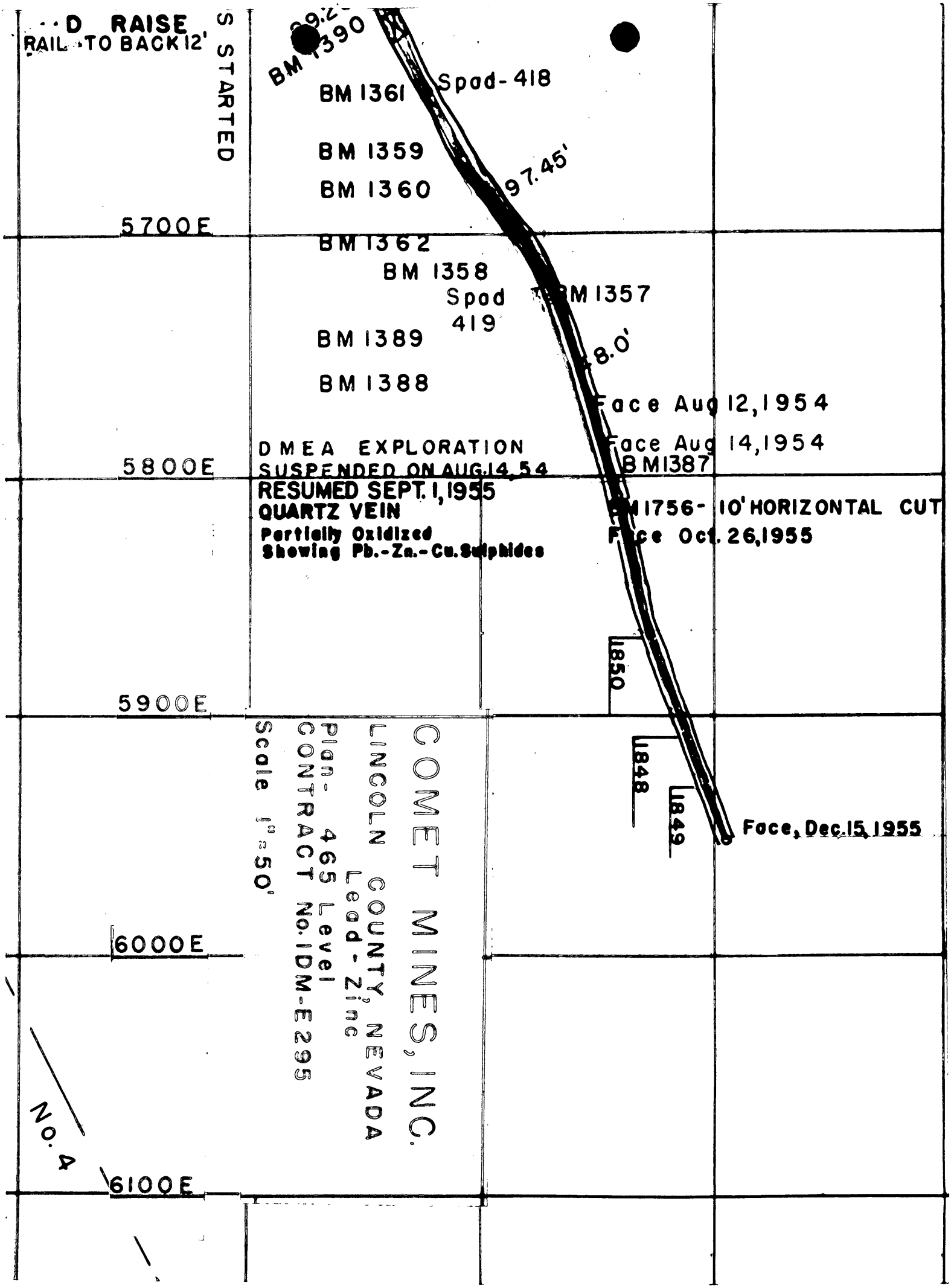
	Feet
Total advance - East & West drifts	1,454.8
Total advance to complete drifting	245.2

Financial:

Contract amount	$190,000.00
Expenditures to 11/30	104,970.76
Unexpended	$ 85,029.24

Contract period: Ending October 16, 1956
Unexpended contract time: 10 months

Glenn G. Gentry
Mining Engineer


D RAISE
RAIL TO BACK 12'
S STARTED
BM 1390
BM 1361
Spad-418
BM 1359
BM 1360
97.45'
5700E
BM 1362
BM 1358
Spad 419
BM 1357
BM 1389
8.0'
BM 1388
Face Aug 12, 1954
Face Aug 14, 1954
BM 1387
DMEA EXPLORATION
SUSPENDED ON AUG. 14, 54
5800E
RESUMED SEPT. 1, 1955
QUARTZ VEIN
Partially Oxidized
Showing Pb.-Zn.-Cu. Sulphides
BM 1756 - 10' HORIZONTAL CUT
Face Oct. 26, 1955
1850
5900E
1848
1849
Face, Dec. 15, 1955
COMET MINES, INC.
LINCOLN COUNTY, NEVADA
Lead-Zinc
Plan- 465 Level
CONTRACT No. IDM-E 295
Scale 1" = 50'
6000E
No. 4
6100E

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

Budget Bureau No. 42-R1036.5

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

Month of September 195 5 Docket No. DMEA 2309 Contract No. Idm-C 295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address 218 Felt Bldg., P. O. Box 150, Salt Lake City, Utah.
Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting 16.0 ft. at $30.	480.00	150.00	630.00	1/3/56		12/1/55
(2) Labor and Supervision:						
Labor		50,111.32	50,111.32			
Supervision		10,312.31	10,312.31			
Technical Services		379.29	379.29			
(3) Operating Mat'ls. and Supplies:						
Timber		4,338.22	4,338.22			
Explosives		3,699.12	3,699.12			
Pipe		1,309.28	1,309.28			
Track		1,609.98	1,609.98			
Power		1,632.78	1,632.78			
(4) Operating Equipment:						
Rental		4,141.57	4,141.57			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1,358.60	1,358.60			
Sampling and Analysis		232.45	232.45			
Payroll Taxes		1,329.29	1,329.29			
Liability Insurance		3,499.25	3,499.25			
Truck Transportation of Supplies		1,807.69	1,806.69			
(8) Contingencies (Specify):						
Misc. tools & supplies		8,250.45	8,250.45			
Whse., Autos & Gen. Expense		7,069.16	7,069.16			
TOTALS	480.00	101,430.76	101,910.76			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10-22-55 *Payee COMET MINES, INC.
Per [signature] Title Treasurer

*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)

RECEIVED NOV 14 1955

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

$340.00

Signature [signature]
(Authorized Certifying Officer)

Date 1955 Vou. No. DMCA-17
(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. 10m-1295 in accordance with the terms of the contract.

Signature Glenn C. Century Title Mining Engineer Date 11/1/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature J. Walker Title Executive Officer Date 11/1/55

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1955 Docket No. DMEA 2309 Contract Idm-E 295

Operator's Name Comet Mines, Inc. Minerals Lead-Zinc

Address 216 Felt Bldg., P. O. Box 150, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft	480.00	16.0	40,514.64	1297.8	31.22	1700	30.00
Crosscutting	Ft			3,959.16	86.0	46.04		
Raising	Ft.			44,879.68	381.1	116.71		
Shafts				905.19	6.0	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Raising	Cu.Ft.			11,652.09		1.80		
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								190,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		480.00		101,910.76				

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 10-15-55 Operator Comet Mines, Inc.

Per [signature] Title [illegible]

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)

[signature]

RECEIVED
NOV 14 1955

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

COMBINED METALS REDUCTION COMPANY

Report on DMEA Project/2309 - Month of September, 1955 - Comet Mines, Inc.

October 14, 1955

Mr. Paul Gemmill, Plant Manager

R. G. Lee

Dear Paul:

Work on DMEA Project/2309 in the Comet Mine was resumed on a permanent basis as of September 1st.

Considerable trouble was experienced with equipment left in the mine and at the surface plant in starting the operation. The battery on the underground electric trammer had to be replaced and charging equipment worked over. Mucking machine had to be gone over, air lines were leaking and had to be repaired. The air compressor motor shorted out after two days of running and had to be repaired. The drifts and track had to be cleaned and surface track to waste dump raised and extended.

With the above dead work completed, drift advance for the month amounted to 16.0 feet.

The fissure is mineralized but is too low grade to go for ore. Grab-samples from muck pile for the 16.0 feet advance averaged 4.92 oz. silver, 0.72% lead, 1.30% zn and 0.72% copper.

Drift advance will increase as the new underground crew aquire more experience in drilling and breaking the hard quartz fissure.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

COPY

FORM 25

A N N E X E L

[illegible], Inc.
Fiesche, Nevada
October 1, 1955.

TO:

[illegible] Project/2309

Drift advance for month of September, 1955.

16.0 feet of drifting	$30.00	$ 480.00
	TOTAL	$ 480.00

[illegible]:

Frank H. Pudeno

[illegible]

Certified True Copy:

[illegible]

No. A-1678.

References A-1646

COMBINED METALS REDUCTION CO.

Comet Mines Incorporated

Pioche, Nevada

Docket No. DMEA-2309 IDM-E 295

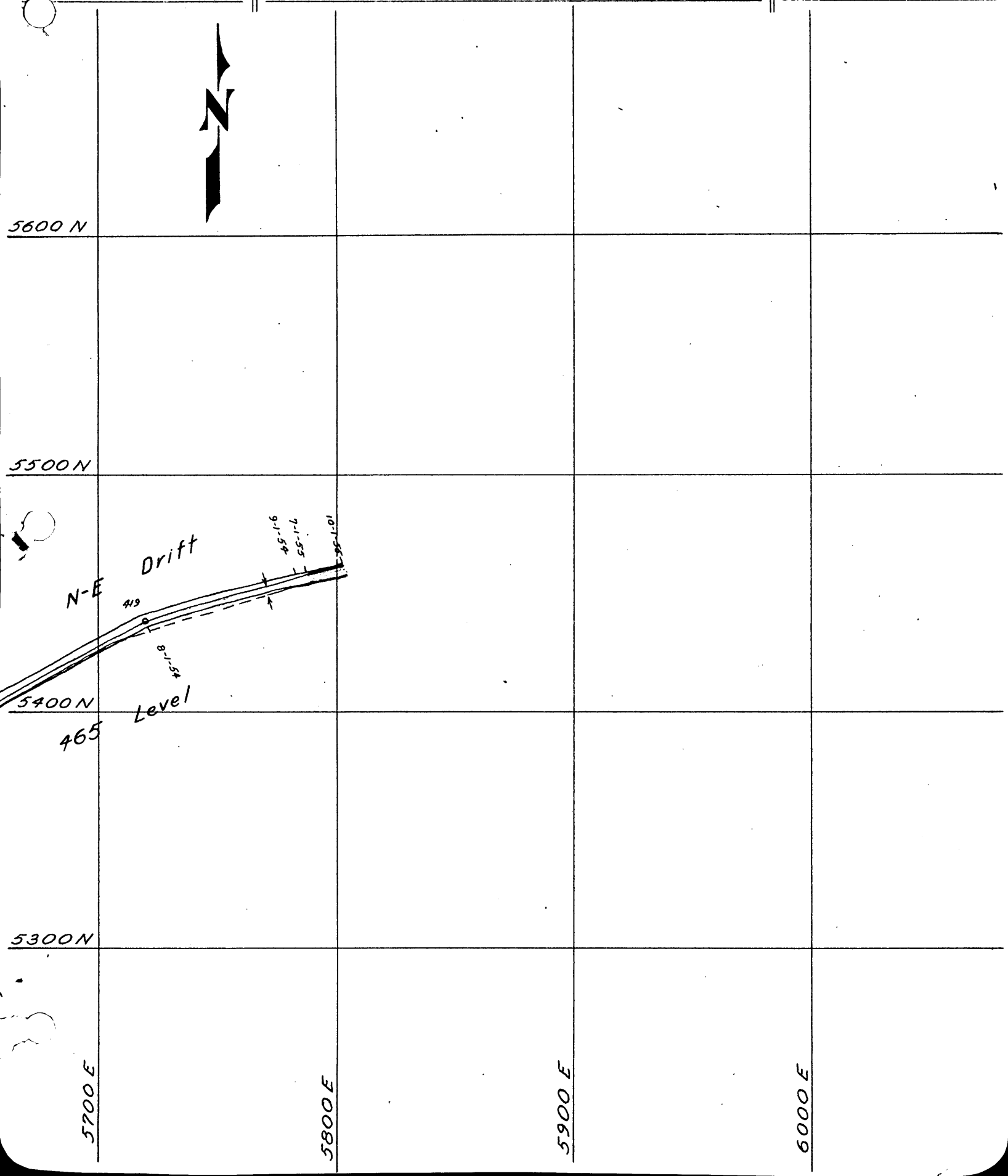
July 20, 1955

Made by Schrader

Traced by

Checked by R.G. Lee

Scale 1" = 50'



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date 11/4/55

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA-2309

Contract No. Idm-E295 (amended)

Commodity Lead-zinc

Operator Comet Mines, Inc.

Property Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry

Dated 11/4/55

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II (w/copy of report)
R. M. Smith-USGS (w/copy of report)

INTERIM REPORT

Docket No.: DMEA-2309 (Lead-zinc) November 4, 1955

Name and address of operator: Comet Mines, Inc.
Pioche, Nevada

Name and location of property: Comet Mine
Lincoln County, Nevada

Contract No.: Idm-E295 (amended)

Accompanied by Messrs. R. G. Lee and E. Schrader, representing the operator, the Comet mine was inspected on October 26. The operator is employing a 3 man crew, working one shift per day, for a 6 day week and expects to continue a steady rate of progress. The exploration work consists of extending the 465 level in a northeasterly direction. The face of the level has continued to disclose a vein of quartz averaging 3 to 4 feet in width and dipping steeply north.

From the last 35 feet of adit advance, the operator has stockpiled approximately 140 tons of low grade ore. The car samples reportedly gave the following results:

No. cars	%, Pb	%, Zn	%, Cu
72	0.72	1.30	0.72
25	0.90	1.00	0.80

This ore will be milled at some future date.

Two miners and one hoistman are contracting the exploration at the rate of $14.50 per foot advance and also furnishes the

blasting supplies.

Work completed: 465 Level, Northeast drift

Previously reported	950.78 feet
Advance 9/14 - 10/26	35.00 "
Total	985.78 "

Financial:	Contract amount	$190,000.00
	Expenditures to 9/30	101,910.76
	Unexpended	$ 88,089.24

Contract period:	Ending October 16, 1956	
	Unexpended contract time	11-1/2 months

Glenn G. Gentry
Mining Engineer

R m Ea

RECEIVED
SEP 26 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

9/22/55

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA-2309

Contract No. Idm-E 295 - amended

Commodity Lead-zinc

Operator Comet Mines, Inc.

Property Comet Mine, Lincoln County, Nev.

By Glenn G. Gentry

Dated 9/22/55

S. Ricker
S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

BUREAU OF MINES
WASHINGTON, D. C.
SEP 26 9 01 AM '55

RECEIVED
SEP 26 1955

INTERIM REPORT

Docket No.: DMEA-2309 (Lead-zinc) Sept. 22, 1955

Name and address of operator: Comet Mines, Inc., Pioche, Nevada

Name and location of property: Comet Mine Lincoln County, Nevada

Contract No.: Idm-E295 - amended

SUMMARY

Accompanied by Messrs R. G. Lee, O. E. Schrader, representatives of the operator, and R. W. Osterstock of the U. S. Geological Survey, the Comet mine was inspected on Sept. 14. Since drilling and blasting one round, during the month of June, the Operators have made no progress in advancing the Northeast drift on the 465 level. However, some preparatory work has been done and equipment placed in readiness for the resumption of operations during the latter part of September.

The 5-foot round blasted in the face of the Northeast drift on the 465 level has disclosed considerable lead-zinc-copper mineralization over a width of six feet, the full width of the drift, and is the most encouraging mineralization so far disclosed by the DMEA exploration work. Samples BM-1711, 1712 and 1713 were secured and the results will be included in the next interim report.

Work completed:

465-Level, Northeast drift	
Previously reported	945.78 feet
Advance during June, 1955	5.00 "
Total	950.78 "

Financial:

Contract amount	$190,000.00
Expenditures to 6/30/55	101,430.76
Unexpended	$ 88,569.24

Contract period:

Ending October 16, 1956
Unexpended contract time: 13 months

Glenn G. Gentry
Mining Engineer

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

RECEIVED
SEP 12 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1955 Docket No. DMEA 2309 Contract No. IDM-E 295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting 5 ft. @ 30.00	150.00		150.00			
(2) Labor and Supervision:						
Labor		50,111.32	50,111.32	9/15/55		9/15/55
Supervision		10,312.31	10,312.31			
Technical Services		379.29	379.29			
(3) Operating Mat'ls. and Supplies:						
Timber		4,338.22	4,338.22			
Explosives		3,899.12	3,899.12			
Pipe		1,309.28	1,309.28			
Track		1,609.98	1,609.98			
		1,632.78	1,632.78			
(4) Operating Equipment:						
Rental		4,141.57	4,141.57			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1,358.60	1,358.60			
Sampling and Analysis		232.45	232.45			
Payroll Taxes		1,329.29	1,329.29			
Liability Insurance		3,499.25	3,499.25			
Truck Transp. of supplies		1,807.69	1,807.69			
Misc. Tools & Supplies		6,250.45	6,250.45			
(8) Contingencies (specify):						
Whse., Auto, & Con Expense		7,069.16	7,069.16			
Totals	150.00	101,280.76	101,430.76			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 8-23-55 *Payee Comet Mines, Inc.
Per [signature] Title Treasurer

*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:

$ 15.00

Signature [signature]
(Authorized Certifying Officer)

Date SEP 1955 Vou. No. 5F-DMEA-9

(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. [illegible] in accordance with the terms of the contract.

Signature [signature] Title [illegible] Date [illegible]

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [signature] Title Region III Date [illegible]

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 872893

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP 12 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1955 Docket No. DMEA 2309 Contract No. IDM-E 295
Operator's Name Comst Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	150.00	5	40,034.64	1,281.8	31.23	2372	30.00
Crosscutting	Ft.			3,959.16	86.0	46.04		
Raising	Ft.			44,879.68	381.1	118.71	150	50.00
Shafts	Ft.			905.19	6.0	150.87	390	
Winzes							100	95.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Raising	Cu. Ft.			11,652.09	6456.0	1.80		
TOTAL DISTRIBUTED COSTS		150.00		101,430.76				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								190,000.00
TOTAL COSTS		150.00		101,430.76				

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 8-23-55 Operator Comst Mines, Inc.

Per [signature] Title Treasurer

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)

[signature]

INSTRUCTIONS

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

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

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

GPO 872894

COMBINED METALS REDUCTION COMPANY

RECEIVED
SEP 12 1955

Comet Mines, Inc. Operating Report for Month of June, 1955.

August 6, 1955

Paul Gemmill, Vice President, Comet Mines, Inc.

R. G. Lee

Dear Paul:

During the later part of June, operation at the Comet Mine was started up temporarily.

Servicing of equipment and cleaning of northeast drift was completed and the drift advanced 3 feet during the month. The drift was turned slightly to the right to expose the footwall of the fissure. Mineralization is stronger near the footwall, the gangue being white quartz.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

COPY

No. A-1678

References A-1646

COMBINED METALS REDUCTION CO.

Comet Mines Incorporated

Pioche, Nevada

Docket No. DMEA-2309 IDM-E 295

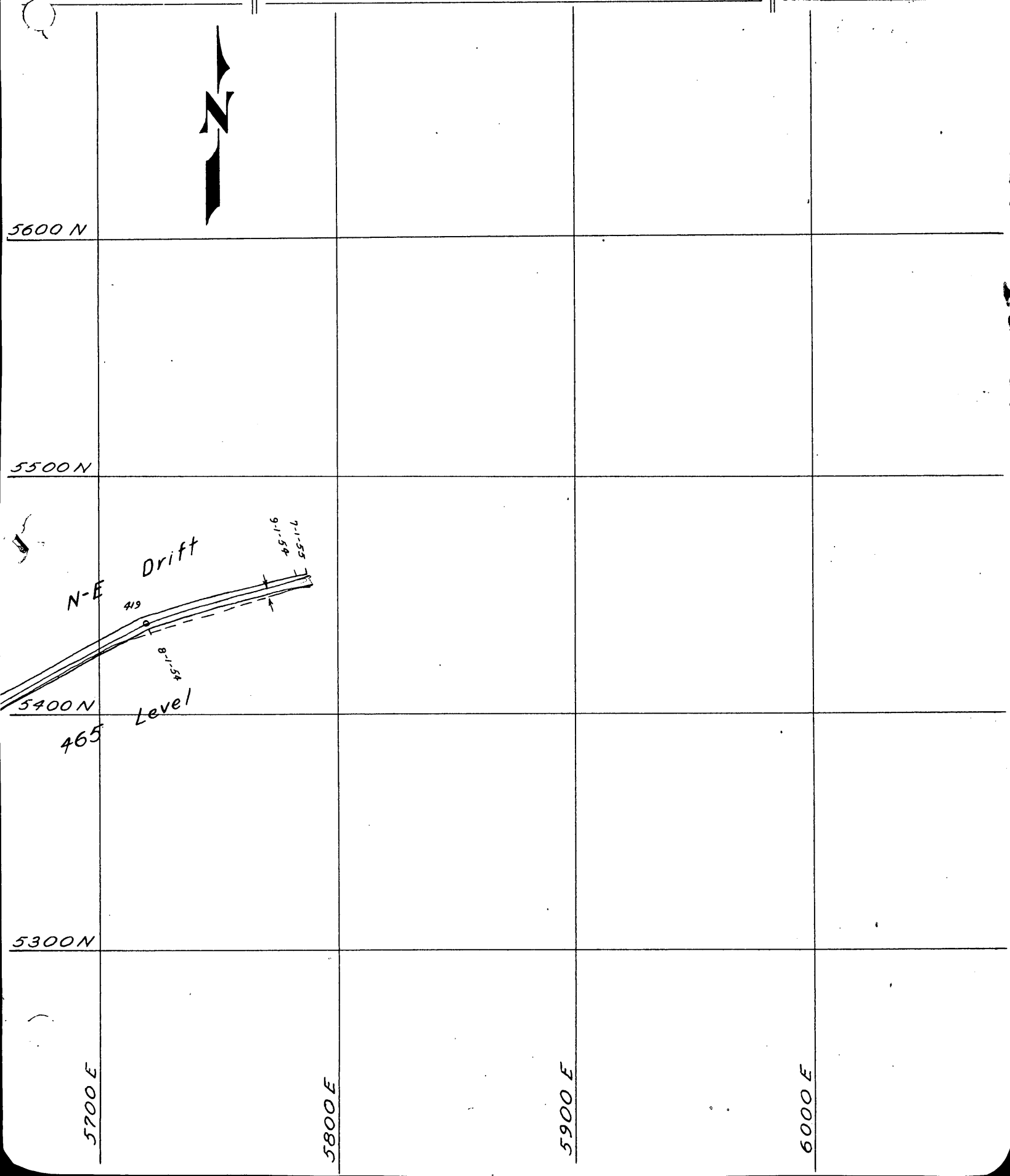
July 20, 1955

Made by Schrader

Traced by

Checked by R.G. Lee

Scale 1" = 50'



RMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
AUG 29 1955

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

8/26/55

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA- 2309

Contract No. Idm-E 295

Commodity Lead-zinc

Operator Comet Mines, Inc.

Property Comet Mine, Lincoln County, Nev.

By Glenn G. Gentry

Dated 8/24/55

S. Ricker
S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

BUREAU OF MINES
WASHINGTON, D. C.

AUG 29 9 12 AM '55

RECEIVED
AUG 29 1955

INTERIM REPORT

Docket No.: DMEA-2309 (Lead-zinc) August 24, 1955

Name and address of operator: Comet Mines, Inc.
Pioche, Nevada

Name and location of property: Comet Mine
Lincoln County, Nevada

Contract No.: Idm-E295 Amended

SUMMARY

The office of the Comet Mines, Inc., was visited on August 12, and a conference held with R. G. Lee, assistant general superintendent. Early in June 1955, the operator's mining crew drilled and blasted one round in the face of the Northeast drift on the 465 foot level and then suspended operations. Active exploration under the contract has not been resumed and there is no progress to report.

The operator is endeavoring to secure the services of a reliable mining contractor who has experienced personnel to conduct future operations on a contract basis and upon an agreed footage cost. However, no definite arrangements have been concluded.

Under the amended exploration project contract, Annex II, item (d) page 2, the work is to be resumed not later than September 1, 1955. This date for resumption of work was called to the attention of the operator's representative.

Glenn G. Gentry
Mining Engineer

REGION II
SEMI-ANNUAL REPORT
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Docket No.: DMEA-2309 - (Lead-zinc) **Date:** June 30, 1955

Contract No.: Idm-E295

Operator: Comet Mines, Inc.
Pioche, Lincoln County, Nevada

Old Body

Date of Contract: April 16, 1952 **Completion Date:** October 16, 1956

	Total	Gov't Participation	Operator
Amount of Contract:	$190,000.00	$95,000.00	$95,000.00
Expenditures:	$101,640.34	$50,820.17	$50,820.17

Date Certified: Not certified

Status: The operator has resumed work on the project.

	Tons	* Grade	Gross Value	Deductions	Net Value
Total **Production DMEA:**	505.462	0.78% Pb 8.03% Zn 0.038 oz. Au/T 5.80 oz. Ag/T	$3,305.39	$532.37	$41.60

	This Period	Todate	Percent Payment
Royalty:	None	$41.60	0.043

Remarks:

* Active exploration was discontinued on August 28, 1954 and resumed during June, 1955. Low grade lead-zinc mineralization has been disclosed in the Northeast drift on the 465 level. The operators have requested approval of a revised contract and the costs to be based on a unit or footage basis.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL 12 1955

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

July 8, 1955

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA- 2309

Contract No. Idm-E 295

Commodity Lead - zinc

Operator Comet Mines, Inc.

Property Comet Mine, Lincoln Co., Nev.

By Glenn G. Gentry

Dated 7/8/55

S. Ricker
S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

INTERIM REPORT

RECEIVED
JUL 12 1955

Docket No. DMEA-2309 -(Lead-zinc) July 8, 1955

Name and address of operator: Comet Mines, Inc.
Pioche, Nevada

Name and location of property: Comet Mine
Lincoln County, Nevada

Contract No.: Idm-E295

SUMMARY

The office of the Comet Mine was visited on June 29, 1955 and a conference held with Mr. Paul Gemmill, manager of operations. Early in June, 1955, the operator resumed drilling and blasted one round in the face of the northeast drift on the 465 level and installed a battery trammer. The operator then temporarily discontinued work at the Comet mine in order to supply mining personnel for unwatering the adjacent Pan American mine and securing large samples of ore from the 800 level for mill tests. The exploration work at the Comet mine will probably be resumed early in the month of July.

for Glenn G. Gentry
Mining Engineer

RECEIVED
JUL 1 1955

REGION II
SEMI-ANNUAL REPORT
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Docket No.: DMEA-2309 - (Lead-zinc) **Date:** June 30, 1955

Contract No.: Idm-E295

Operator: Comet Mines, Inc.
Pioche, Lincoln County, Nevada

Date of Contract: April 16, 1952 **Completion Date:** October 16, 1956

	Total	Gov't Participation	Operator
Amount of Contract:	$190,000.00	$95,000.00	$95,000.00
Expenditures:	$101,640.34	$50,820.17	$50,820.17

Date Certified: Not certified

Status: The operator has resumed work on the project.

	Tons	* Grade	Gross Value	Deductions	Net Value
Total **Production DMEA:**	505.462	0.78% Pb 8.03% Zn 0.038 oz. Au/T 5.80 oz. Ag/T	$3,305.39	$532.37	$41.60

	This Period	Todate	Percent Payment
Royalty:	None	$41.60	0.043

Remarks:

* Active exploration was discontinued on August 28, 1954 and resumed during June, 1955. Low grade lead-zinc mineralization has been disclosed in the Northeast drift on the 465 level. The operators have requested approval of a revised contract and the costs to be based on a unit or footage basis.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 16 1955

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

June 14, 1955

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA- 2309

Contract No. Idm-E 295

Commodity Lead-zinc

Operator Comet Mines, Inc.

Property Comet Mine, Lincoln Co., Nev.

By Glenn G. Gentry

Dated June 14, 1955

S. Ricker
S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

INTERIM REPORT

RECEIVED
JUN 16 1955

Docket No.: DMEA-2309 - (Lead-zinc) June 14, 1955

Name and address of operator: Comet Mines, Inc.
Pioche, Nevada

Name and location of property: Comet Mine
Lincoln County, Nevada

Contract No.: Idm-E295

The Comet Mine office and the Comet Mine were visited on June 2, 1955 for the purpose of preparing an inventory of equipment installed in the mine in the cost of which the Government participated. Inspection was made in company with Mr. Ernest Schrader, mining engineer for the operator.

The inventory seemed advisable inasmuch as the operator has requested the remainder of the exploration contract be conducted on a unit or footage basis for reimbursement.

The operator suspended all work at the mine on August 28, 1954 and stated that work will be resumed on or about June 10, 1955 and will consist of advancing the 465 level in a northeasterly direction and following the mineralized fissure presently exposed in the heading.

Glenn G. Gentry
Mining Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

March 31, 1955

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are the original and three copies of an Interim Report on:

Docket No. DMEA- 2309

Contract No. Idm-E 295

Commodity Lead-Zinc

Operator Comet Mines, Inc.

Property Comet Mine, Lincoln County, Nevada

By R. W. Osterstock, USGS

Dated March 25, 1955

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments 4

Copy to: Finance Officer, Region II(w/copy of report)
R. M. Smith-USGS(w/copy of report)

BUREAU OF MINES
WASHINGTON, D. C.

APR 4 9 30 AM '55

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Mineral Deposits Branch
222 So. West Temple - Room 208
Salt Lake City 1, Utah

March 25, 1955

Memorandum

To: DMEA Field Team, Region II

From: R. W. Osterstock

Subject: Docket No. DMEA-2309 (Lead-Zinc), Comet Mines, Inc.
Comet Mine, Lincoln County, Nevada
Contract No. Idm-E295

A brief inspection of the Comet Mine was made February 3, 1955 by R. W. Osterstock (U.S.G.S.) and G. G. Gentry (U.S.B.M.) to familiarize the Survey member of the DMEA Field Team with the exploration project. The examiners were accompanied in the field by Mr. John J. Russell, Mine Superintendent.

Active DMEA work at the Comet Mine was halted on August 14, 1954, however, 53.5 feet of raising was later conducted at the expense of the operators. The condition of the mine and mine equipment appears to be such that the prolonged shutdown will effect no great hardships when work is resumed. A watchman is maintained on the property at all times. Apparently the reason for work stoppage is the operator's lack of available funds to provide 50 percent of the costs incurred by the DMEA project.

The northeast striking, nearly vertical Comet vein continues to show both lateral and vertical persistence in the Cambrian Prospect Mountain quartzite. Where the vein cuts the less competent overlying Pioche shale, it is less distinct. All of the known ore bodies in the vein are confined to that portion in the quartzite. All of the DMEA work northeast of the No. 1 shaft on the 465 level has been in the sulfide rather than the oxide zone. Although considerable low grade lead-zinc mineralization has been encountered in the 465 level northeast drift, as yet no minable bodies have been discovered. The vein at the face of the 465 level northeast drift shows much milky quartz which has undergone some brecciation and later replacement by minor amounts of lead-zinc minerals and more quartz. A few small, nearly vertical N-S crossfaults near the face do not appear to have affected appreciable offset of the vein structure.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
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1985 MAR 30 PM 1:31

RENO, NEVADA

Paul Gemmill, company geologist, pointed out in the original application that the known ore bodies in the Comet Mine appeared to rake down to the east along the Comet vein. On this basis it appears that the DMEA project work should be continued on the 465 level by additional drifting along the vein to the northeast. At present there remains 380.15 feet of authorized drifting on the 465 level.

DMEA project work along the Comet vein southwest of the No. 1 shaft on the 465 level proved the persistence of the vein structure but did not encounter promising showings of mineralization. This region, away from the rake of known ore bodies in the upper levels of the mine, does not appear to justify further exploration at the present time.

It is recommended that the operator be granted a reasonable length of time in recess in order to gather the necessary funds to provide his share of the exploration costs of the incomplete DMEA project.

Distribution:
Field Team, Reg. II (6)
Osterstock
Smith

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 23 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region ~~III~~

420 Custom House
555 Battery Street
San Francisco 11, California

Date: February 18, 1955

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region ~~III~~ II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -
Docket DMEA -2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine
Lincoln County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated February 16, 1955

Executive Officer,
DMEA Field Team, Region ~~III~~ II

Attachments

Copy to: R. M. Smith--USGS (with copy of report)
Finance Officer, Region ~~III~~ II (with copy of report)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 23 1955

INTERIM REPORT

Docket No.: DMEA-2309 (Lead-Zinc) February 16, 1955

Name and address of operator: Comet Mines, Inc., Pioche, Nev.

Name and location of property: Comet Mine Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY

The Comet Mine was visited on February 3, 1955 for the purpose of inspecting any work that had been performed under the exploration contract. During the inspection, the examining engineer was accompanied by R. W. Osterstock, geologist, USGS, and John J. Russell, mine superintendent.

No work has been done in the mine since the operations were discontinued by the operator on August 28, 1954. The operator, at their own expense, maintain a watchman at the mine in order to protect the property and the machinery.

The mine shaft and the exploration drifts on the 465-foot level were found to be in good condition; no caving had occurred.

STATEMENT OF WORK COMPLETED

There has been no advance to report since August 28, 1954, therefore, the status of the exploration project remains the same as itemized in the interim report dated Oct. 26, 1954.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 23 1955

FINANCIAL REPORT

No expenditures have been reported for the months of September through December 1954 and January 1955, a period of five months. Therefore, there have been no changes to report.

CONTRACT PERIOD

As noted in the interim report of October 26, 1954, the exploration contract expired on December 16, 1954, and under date of October 14, 1954, the operator requested an extension of time for a period of 16 months. On November 26, 1954, Amendment No. 4 was mailed to Mr. S.S. Arentz, president of Comet Mines, Inc. at Pioche, Nev.

During the inspection on February 3, 1955, the examining engineer discussed the status of the contract with Mr. Paul Gemmill, manager of western operations for the operator. Mr. Gemmill and his assistant, Mr. R. G. Lee both thought the amendment had been signed, however, they had no office record to substantiate the transaction. As the DMEA office at Reno, Nevada had not received a signed copy of Amendment No. 4, the matter was called to the attention of the Executive Officer in San Francisco, Calif. by letter dated Feb. 15, 1955 in order that the present contract status may be clarified.

The operators were unable to determine the exact date for the resumption of operations though they hoped to again begin work some time during the month of March, 1955.

Glenn G. Gentry
Mining Engineer, DMEA

SEMI-ANNUAL DMEA REPORT

Docket No.: DMEA-2309 (Lead-Zinc) December 31, 1954

Contract No.: Idm-E295 and Idm-E295 - amended

Period: (Second) July 1, 1954 to December 31, 1954

Date of Contract: April 16, 1952

Exploration work completed: Contract in force
Suspended - Oct. 13, 1953 to March 29, 1954
Resumed - March 29, 1954 to Aug. 14, 1954
Suspended - Aug. 14, 1954

Amendment No. 1 - approves drifting on the 465-foot level.

Amendment No. 2 - extends completion of the project to Dec. 16, 1954.

Amendment No. 3 - adds 600 feet of drifting on the 465-foot level.

Name and address of operator: Comet Mines, Inc.,
Pioche, Nevada

Name and location of property: Comet Mine, Lincoln County, Nevada

Located about 25 miles northwest of the Caselton plant of the Combined Metals Reduction Co.

Date certified:

The project has not been completed and no certificate of discovery has been issued. The company has made royalty payments on production and sufficient mineralization has been encountered by DMEA exploration to justify recommendation of a Certificate of Discovery.

Expenditures:

Operator	Government	Total
$50,640.38	$50,640.38	$101,280.76

Statement of operations:

DMEA exploration was suspended on August 14, 1954. Production during the period consisted of 505 tons of zinc ore which averaged 7.7 percent zinc and 5.6 ounces silver per ton. Total value of this ore was $3,305.39; royalty payments of $41,60 were made, or 1.5 percent of the total value.

Settlement sheets were furnished the Mining Section, Region II, by the Regional Office.

Remarks:

Work under the exploration contract has consisted of 394.6 feet of shaft sinking and 1,319.63 feet of drifting. Amendment No. 4 which has been sent to the operator for signature, will extend the time for completion of the project.

A. C. Johnson
Mining Engineer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 - 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

420 Custom House
555 Battery Street
San Francisco 11, Calif.

Date: October 27, 1954

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA -2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine
Lincoln County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated October 26, 1954

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

Roscoe Smith, USGS (With one copy of report)

DEPT OF THE INTERIOR
Minerals Administration
RECEIVED
NOV 1 - 1954

INTERIM REPORT

Docket No.: DMEA-2309 (Lead-Zinc) October 26, 1954

Name and address of operator: Comet Mines, Inc.
Pioche, Nevada

Name and location of property: Comet Mine
Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY

The Com et Mine was visited on October 8, 1954 for the purpose of inspecting work performed by the applicant under the exploration contract. During the inspection the examining engineer was accompanied by Mr. A. C. Johnson, Chief, Mining Division, Region III and Mr. Kenneth E. Anderson, mining engineer for the applicant.

The contract exploration work, consisting of advancing the 465 level in an easterly direction, was suspended on August 14, 1954 for an indefinite period. From August 14, 1954 to August 28, 1954, the operators advanced four raises, shown on the enclosed map as A, B, C, and D.

Due to lack of adequate finances, the operators suspended all work at the Comet Mine on August 28, 1954 and at this writing the date for the resumption of operations is not known to this office. A watchman is retained at the property in order to protect the interests of both the applicant and the Government.

Total net raising, conducted at the expense of the applicant, amounted to 53.5 feet. Drifting, from August 12 to 14, on the 465 level and for DMEA account, amounted to 16 feet.

Considerable mineralization has been disclosed in the drift and in the raises, however, sampling indicated low grade zinc and lead minerals. The operators believe the 465 level has been driven near the top of an ore shoot.

CONCLUSIONS

Machinery used in advancing the 465 level and stored on that level near the shaft appears to be in good condition and is readily available for use when operations are resumed. All broken rock has been removed from the heading and raises. The drift has not required timber supports and no caving is expected during the shutdown.

GEOLOGY

There has been no change in the mineralization of the quartz vein in the northeast drift. The face of the drift contained white quartz in which ribbons of sulphide minerals were observed. A sample of this material indicated low grade ore. Considerable north-south fracturing has occurred and the drift has not disclosed the full width of the vein.

SAMPLING

Sample No.	Width, Feet	%, Pb	%, Zn	%, Cu	Oz/T Au	Oz/T Ag	Location
BM-1387	4.0	0.6	1.6	0.50	0.02	4.70	Face of northeast drift.
BM-1388	5.0	0.3	1.5	0.28	0.04	2.05	Across back of northeast drift; 26 feet west of face.

Sample No.	Width, Feet	%, Pb	%, Zn	%, Cu	Oz/T Au	Oz/T Ag	Location
BM-1389	3.6	0.4	0.8	0.12	0.03	1.60	Across back of northeast drift; 18 feet west of BM-1388
BM-1390	1.0	1.5	3.7	0.20	0.05	3.05	Across back of northeast drift, at bottom of "D" raise.

STATEMENT OF WORK COMPLETED

465-foot level:

Northeast drift - excavation from old shaft

Previously reported		929.78 feet
Advance 8/12-14/54		16.00 "
	Total	945.78 "

Southwest drift -

Previously reported		373.85 feet
Advance 8/12-14/54		-
	Total	373.85 "

Total advance from shaft, both drifts 1,319.63 feet

Total drifting allowed under amendment No. 3 -	1,700.00 feet
Less drifting completed	1,319.85 "
Uncompleted	380.15 "

FINANCIAL REPORT

Contract amount	$190,000.00
Government participation @ 50% = $95,000.00	
Total expenditures to September 1, 1954	$101,640.34
Unexpended	$ 88,359.66
Disallowance as per statement by L. J. Sjolander, Chief, Budget & Finance Branch, dated October 5, 1954	$ 359.58

Contract period:

Contract dated: April 16, 1952
Contract time: 20 months; amendment No. 2, dated 12/18/53 extends completion to 32 months.
Contract expires: December 16, 1954
Unexpended time (as of this report): 1-1/2 months

The progress on this project has been slower than expected, due principally to the hardness of the quartzite in shaft raising and also as only one shift of miners were employed in the work. Operations were suspended during the months of November and December of 1953 and January and February 1954, due to the low metal market and lack of finances.

The work remaining to complete the exploration project amounts to 2,380 feet of drifting and 104 feet of shaft sinking. It is therefore obvious that an extension of time will be required, and under date of October 14, 1954, the applicant requested an extension of 16 months. The examining engineer recommends approval of this request.

Glenn G. Gentry
Mining Engineer

Form MF-204 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53

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

RECEIVED OCT 12 1954

Month of [illegible], 1954 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $[illegible] Government Participation: [illegible] % Amount, $[illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	[illegible]	[illegible]	[illegible]			
Supervision	[illegible]	[illegible]	[illegible]	31.20	10,281.11	10,312.31
Technical Services	[illegible]	[illegible]	[illegible]			
(3) Operating Mat'ls. and Supplies:						
Timber		[illegible]	[illegible]			
Explosives	[illegible]	[illegible]	[illegible]			
Pipe	[illegible]	[illegible]	[illegible]			
Track	[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]			
(4) Operating Equipment:						
Rental	[illegible]	[illegible]	[illegible]	-247.60	4,289.94	4,141.57
[illegible] Rental Allowed				19.23		
Depreciation for August						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	[illegible]	[illegible]	[illegible]			
Sampling and Analysis	[illegible]	[illegible]	[illegible]			
Payroll Taxes	[illegible]	[illegible]	[illegible]			
Liability Insurance	[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]			
(8) Contingencies (specify):	[illegible]	[illegible]	[illegible]	111.53	6,976.63	7,069.16
[illegible]						
[illegible]						
TOTALS	[illegible]	[illegible]	[illegible]	1,554.80	99,725.96	101,280.76

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

Date [illegible] *Payee [illegible]

Per [illegible] Title [illegible]

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

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

(Instructions on reverse)

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

$ 777.40

Signature
(Authorized Certifying Officer)

Date OCT 5 1954 Vou. No. SF-DMEA-8

(See other side)

*See Administrative Audit Difference Statement Attached.

(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. Km-R295 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Region III Date Sept. 29, 1954.

A. C. Johnson

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date October 1, 1954

H. C. Miller

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-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTING OCT 4 1954
Defense Minerals Administration
RECEIVED
OCT 12 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1954 Docket No. DMEA 1309 Contract No. [illegible]
Operator's Name Coret Mines, Inc. Minerals [illegible] Inc
Address P. O. Box 150, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft.	1,914.30	61.1	77,034.64	1,370.0	91.23		
Crosscutting	ft.			2,957.16	76.0	46.94		
Raising	ft.			45,330.36	391.1	116.71		
Shafts	ft.			905.19	6.0	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Raising	[illegible]			11,052.09	9,450.0	1.00		
Less Suspension		-359.58		-359.58				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		1,554.80		101,380.76				
TOTAL COSTS		[illegible]		[illegible]				

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

Date 9-23-54 Operator Coret Mines, Inc.

Per [signature] Title Treasurer

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

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

Defense Minerals Administration
RECEIVED
OCT 12 1954

Administrative Audit Difference Statement

Date: October 6, 1954
Payee's
Reference: Contract P 295
Docket DMA-2759
Comet Mines, Inc.

Comet Mines, Inc.
P.O. Box 150
Salt Lake City, Utah

Gentlemen:

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

Amount Claimed	$	1,014.78
Difference	$	359.58
Amount Approved	$	1,655.20

The reason for the difference was due to: Depreciation and Supervision exceeding "Allowable Maximum" of Contract

Depreciation on 3 Compressors claimed to 8/31/54, per MP-100		
18 Mo. 12 days at $100.00		$1857.00
Less: Allowable Maximum		1800.00
18 Mo. at $100.00		57.00
Additional disallowance:		
3 compressors on subsequent MP-100's	June	100.00
	July	100.00
	August	46.15
Total depreciation disallowance on compressors		$303.75
Add: 7½% Warehouse, Accounting and General Expense		22.03
Supervision for August		33.80
Total Disallowance		$359.58

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

Very sincerely yours,

L. H. Sjolander
Chief, Budget and Finance Branch
Region III

Comet Mines, Inc. - Operations Report - August, 1954

September 11, 1954

Paul Gemmill, Vice President, Comet Mines, Inc.

John J. Russell, Mine Supt.

Dear Paul:

Operations at the Comet Mine from August 1, 1954 through August 14, 1954, consisted of development work approved by the Defense Minerals Exploration Administration under Project No. 2309. During the remaining portion of the month, raising operations were carried on in favorable ore showings on the 465 level. All activity was temporarily discontinued on the 28th of August. Supplies, labor and supervision charges were held separate in their proper accounts. Power, rental and transportation charges are charged proportional to the number of operating shifts worked on the two accounts.

The 465 northeast drift advanced 64.1'. The fissure widened out to 4.5', consisting chiefly of white quartz with minor amounts of galena and sphalerite. A 4.5' cut sample in the present face assays: .04 gold, 4.26 silver, 0.8 Lead, 1.9 Zinc and 0.8 Copper. The hanging wall is not exposed in the face.

Four raises were started on the fissure from the 465 level. 465 A Raise advanced 7.0' to expose an ore edge with the fissure badly oxidized. In 465 B and C Raises the fissure narrowed down to 3.0' of ore after respective advanced of 20.0' and 21.5'. 465 D Raise advanced 6.0' to the ore edge. It appears that the 465 level is at or near the top of the ore shoot. The raises are shown on the map accompanying this report.

The item "Miscellaneous Tools and Supplies" appearing on the Operator's Monthly Report and Voucher is as follows:

Drill Steel	$ 175.83
Mine Lights	6.51
Total	$ 182.34

Breakdown of the item "Repairs to Equipment" is as follows:

Compressor	$ 2.20
Gardner Denver Mucker	24.48
Total	$26.68

Mr. Davenport has been retained as watchman and resides at the Comet Mine.

Sincerely yours,

John J. Russell
Mine Supt.

A-1646

REFERENCES

COMBINED METALS REDUCTION C

Comet Mines Incorporated
Pioche, Nevada
Exploration Project

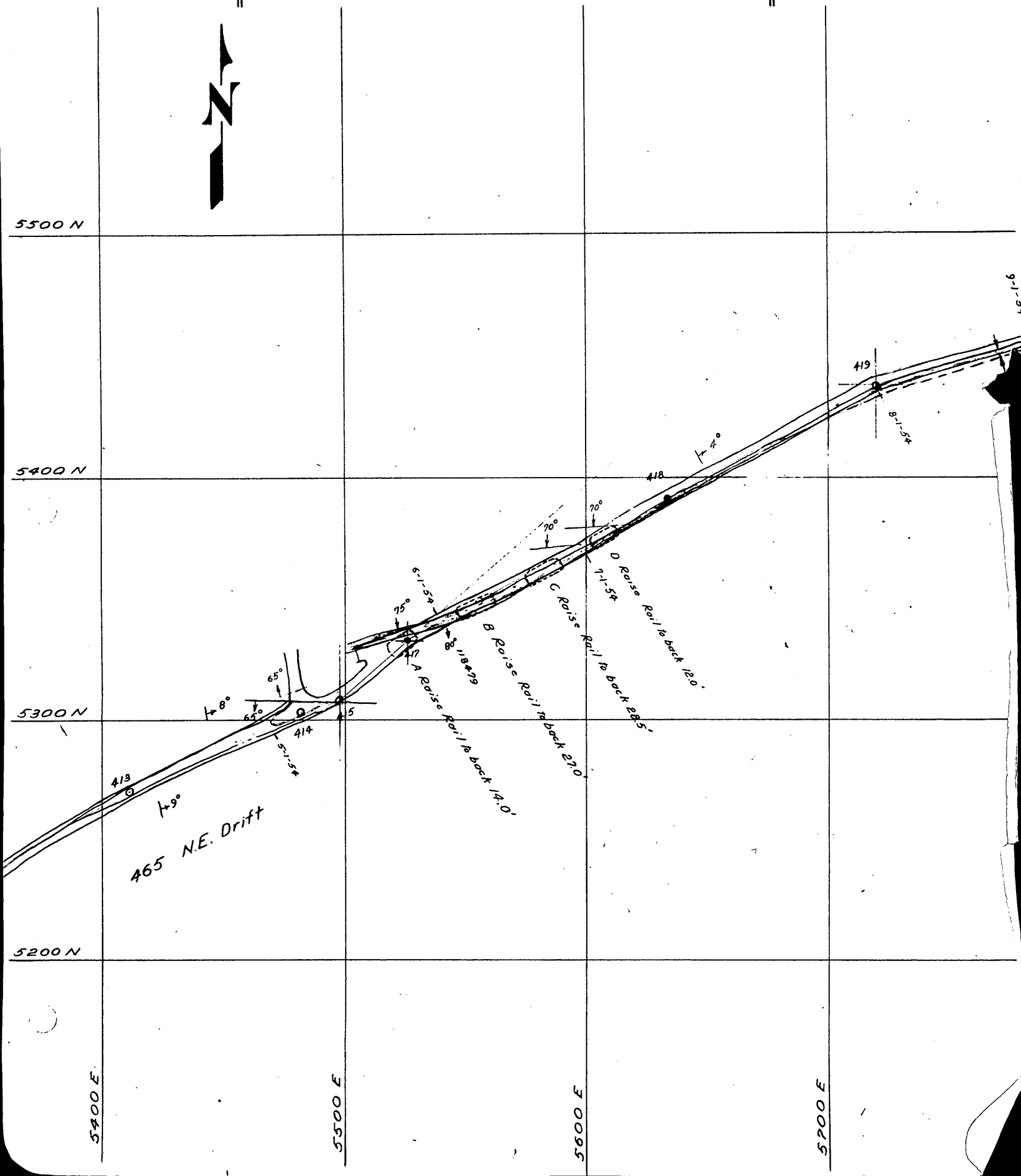
June 4, 1954

MADE BY O.E. Schroder

TRACED BY

CHECKED BY J.J. Russell

SCALE 1" = 50'



DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 10 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

420 Custom House
555 Battery Street
San Francisco 11, Calif.

Date: September 3, 1954

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA-2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated August 30, 1954

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

Roscoe Smith, USGS (With one copy of report)

INTERIM REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 10 1954

Docket No.: DMEA-2309 (Lead-zinc) August 30, 1954

Name and address of operator: Comet Mines, Inc., Pioche, Nevada

Name and location of property: Comet Mine Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY

The Comet Mine was visited on August 9 and 12, 1954 for the purpose of inspecting work performed by the applicant under the exploration contract. During the inspection the examining engineer was accompanied by Mr. John J. Russell, mine superintendent.

The exploration has been confined to the eastward extension of the 465-foot level, which has been following a well mineralized quartz vein. Advance since the last inspection has amounted to 212 feet. Exploration advance of the southwest drift has been suspended due to lack of mineralization and in order to expedite the work in the northeast drift.

The northeast drift has been extended along a well-mineralized quartz vein which in various places has contained commercial values and a moderate tonnage has been shipped to the Combined Metals Reduction Company Caselton plant for milling.

On August 16, 1954, the operators expected to add three more men to the present mining crew and work on a 2-shift basis. Part of the addi-

tional work will probably be done on company account in the extension of raises above the level of the northeast drift in locations where the best values have been obtained.

Under date of August 3, 1954, amendment No. 3 was approved, allowing an additional 600 feet of drifting on the 465-foot level. In view of the mineralization encountered in the northeast drift, the operators will probably use the added footage in the extension of this drift.

CONCLUSIONS AND RECOMMENDATIONS

The exploration work on the 465-foot level has followed the mineralized quartz vein. No timber supports have been required. The work performed is considered to be satisfactory to the Government.

The operators financial report for the month of July 1954 itemizes a cost of $524.14 for drill steel. While the quartzite material is extremely hard and abrasive, the drill steel cost appears high. Drilling is accomplished by the use of "jackhammers mounted on air legs", and the long steel rods have a tendency to whip which may increase crystallization and breakage. The installation and use of a small sized, two drill Jumbo would probably overcome part of the steel breakage, but the operators do not have one available that is small enough to be lowered through the shaft.

GEOLOGY

There has been little change in the mineralization of the quartz vein in the northeast drift. The sulphide minerals continue at about the same ratio as the last interim report. Some increase in the amount of

copper stained quartz was observed near the face,and in two samples the analyses indicated an increase in the copper content. The principal and perhaps the most significant change in the rock formation has been the N. 70° E. fracturing observed on the hanging wall side of the fissure for a distance of approximately 50 feet west of the face (on August 9, 1954) together with an apparent increase in the amount of sulphide minerals. This fracturing and/or faulting may indicate approaching an increased width of quartz material and mineralization.

SAMPLING

Sample No.	Width, Feet	%, Pb	%, Zn	%, Cu	Ozs./T Au	Ozs./T Ag	Description
BM-1355	1.5	0.5	0.5	0.02	0.02	1.10	Face of southwest drift; copper stained quartz; slight mineralization.
BM-1356	1.2	0.6	0.5	0.35	0.08	1.60	North side BM-1355; narrow, vertical quartz stringers; oxidized.
BM-1357	4.7	0.4	1.8	0.40	0.02	4.30	Face of northeast drift. White quartz carrying sulphides.
BM-1358	1.8	0.3	0.8	0.17	0.02	4.85	Do; on south wall 7 feet; west of face; copper stains.
BM-1359	2.4	0.4	0.7	2.34	0.02	16.40	Northeast drift; south wall 18 inches above track; white and oxidized quartz; heavier copper stains; 56 feet west of BM-1358.
BM-1360	-	2.8	13.0	0.03	0.04	2.65	Northeast drift; south wall; 18 feet east of BM-1359. Specimen sample of material 1/2 inch thick under white quartz and frozen on hanging wall.

Sample No.	Width, Feet	%, Pb	%, Zn	%, Cu	Ozs./T Au	Ozs./T Ag	Description
BM-1361	1.2	1.4	7.4	0.04	0.03	0.35	Across back of northeast drift; 27 feet west of BM-1359; sulphides in white quartz.
BM-1362	_	0.3	1.3	3.10	0.02	51.65	South wall of northeast drift; 10 feet west of BM-1358; oxidized material on white quartz.

STATEMENT OF WORK COMPLETED

465-foot level:

Northeast drift:

Started on: 5/23/53
Suspended: 10/12/53
Resumed: 3/29/54
Total advance as measured on August 9, 1954, using plumb bobs and steel tape:

	Feet
Center line of old winze to east end of prior excavation	130
From east end of prior excavation to station 409	116.5
From station 409 to station 410	124.35
From station 410 to station 413	131.73
From station 413 to station 414	78.25
From station 414 to station 415	17.55
From station 415 to station 416	70.75
From station 416 to spad No. 1	89.20
From spad No. 1 to spad No. 2	97.45
From spad No. 2 to face	33.30
From spad No. 2 to face (8/12/54) add	14.70
Crosscutting	26.00
Total advance	929.78

Southwest drift:

Center line of old winze to west end of prior excavation	58.0
From west end of prior excavation to station 406	71.0
From station 406 to station 411	93.68
From station 411 to station 412	69.25
From station 412 to face	81.92
	373.85

Total advance - both drifts = 1,303.63 feet.

Total drifting allowed under amendment No. 3	1,700.00 feet
Less completed drifting	1,303.63
Uncompleted	396.37 feet*

* This footage will probably be used in extending the Northeast drift.

FINANCIAL REPORT

Contract amount: $190,000.00
Government participation @ 50% = $95,000.00
Expenditures:

1952		1953		1954	
June	$3,730.75	January	$4,954.70	Jan.-Feb.	None
July	5,857.16	February	3,620.71	March	$ 433.81
August	7,656.52	March	4,856.79	April	3,435.94
September	5,708.72	April	4,063.09	May	3,194.89
October	5,822.88	May	4,762.74	June	3,902.31
November	6,941.81	June	3,965.58	July	4,085.09
December	8,640.64	July	3,703.73		$15,052.04
	$44,358.48	August	4,336.70		
		September	4,150.90		
		October	1,900.50		
		Nov.-Dec.	None		
			$40,315.44		

Total expended: $99,725.96
Unexpended: $90,274.04

Contract dated: April 16, 1952
Contract period: 20 months - amendment No. 2, dated 12/18/53 extends completion to 32 months.
Contract expires: December 16, 1954
Unexpended time (as of this report): 3-1/2 months

It is evident that additional time will be required to complete the contract.

Glenn G. Gentry
Mining Engineer

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

Department of the Interior
Defense Minerals Administration
RECEIVED
SEP 27 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

September 20, 1954

All
Belly

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Operator's Monthly Progress Reports - Forms MF-104 and MF-104A

Enclosed herewith are two copies of the subject report received from the following operator. The reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report Dated	Period Covered
Idm-E295 DMEA-2309	Comet Mines, Inc.	July 22, 1954	June 1954
" "	" " "	August 23, 1954	July 1954

H. G. Miller

H. G. Miller
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: Roscoe Smith, USGS

[illegible] (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1[illegible]
Approval Expires 6-30-53

Defense Minerals Administration
RECEIVED SEP 2 1954
ACCOUNTS
SEP 27 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of Sep 1954 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Coast Mine, Inc. Minerals [illegible]
Address P. O. Box 30, Cedar Valley (Cal) [illegible]
Contract Amount, $[illegible] Government Participation: 50 % Amount, $[illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						9/29/54 JWA
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,[illegible]	[illegible]	[illegible]			
Supervision	150.00	[illegible]	[illegible]			
Technical Services	40.00	[illegible]	[illegible]			
(3) Operating Mat'ls. and Supplies:						
Timber		[illegible]	[illegible]			
Explosives	[illegible]	[illegible]	[illegible]			
Pipe	17.00	[illegible]	[illegible]			
Track	[illegible]	[illegible]	[illegible]			
Other	[illegible]	[illegible]	[illegible]			
Inc. Tools [illegible]	[illegible]	[illegible]	[illegible]			
(4) Operating Equipment:	215.00	[illegible]	[illegible]			
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:	50.00	[illegible]	[illegible]			
Repairs to Equipment		[illegible]	[illegible]			
Sampling and Analysis	[illegible]	[illegible]	[illegible]			
Payroll Taxes	[illegible]	[illegible]	[illegible]			
Liability Insurance	71.00	[illegible]	[illegible]			
Misc. Registration	[illegible]	[illegible]	[illegible]			
Misc. Ob. & Co. Exp.	[illegible]	[illegible]	[illegible]			
(8) Contingencies (specify):						
TOTALS	[illegible]	[illegible]	[illegible]			

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

Date [illegible] *Payee Coast Mine, Inc.

ORIGINAL SIGNED BY

Per O. F. BURTON Title Secretary

*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:

$ 2042 55

Lloyd H. Sjolander
Signature Authorized Certifying Officer
(Authorized Certifying Officer)

Date SEP 9 1954 Vou. No. SF-DMEA-6

(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. Rim-E295 in accordance with the terms of the contract.

Signature R. C. Johnson Title Chief, Mining Div. Region III Date August 30, 1954.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Micher for R. C. Miller Title Executive Officer DMEA Field Team Region III Date September 1, 1954

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-R
Approval expires 6-30-53

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 27 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of [illegible] 1954 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]

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

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 [illegible] Operator [illegible]
ORIGINAL SIGNED BY
Per Q. F. BURTON Title [illegible]

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

Comet Mines, Inc. Operations Report - July, 1954

August 6, 1954

Paul Gemmill, Vice President, Comet Mines, Inc.

J. J. Russell, Mine Supt.

Dear Paul:

Operations at the Comet Mine during July, 1954, consisted of development work approved by the Defense Minerals Exploration Administration under Project No. 2309.

The 465 NE drift was advanced 124.0'. The fissure remained about two feet wide, consisting chiefly of white vein quartz with minor amounts of sphalerite and galena. The vein is partly oxidized on or near the footwall. The crosscut was advanced 5.0' and stopped.

The original allowed 1100' of drifting on the 465 level was exceeded by 112.7', but Amendment No. 3 was approved on August 3, 1954, with an allowable maximum of 1700' of drifting to include 189' of rehabilitation of the drift. Glenn Gentry has pointed out that our actual drift advance as reported does not check his total measured advance because of the inclusion of rehabilitation as drift equivalent. Following is a summary of our reported drift advance:

Month	Drift Advance
*April, 1953	63'
*May, 1953	133'
June, 1953	156'
July, 1953	113.7'
August, 1953	134.1'
September, 1953	139.7'
October, 1953	32.5'
November, 1953	No Advance
December, 1953	No Advance
January, 1954	No Advance
February, 1954	No Advance
March, 1954	10.5'
April, 1954	125.2'
May, 1954	98.0'
June, 1954	83.0'
July, 1954	124.0'
TOTAL	1,212.7'

*Includes a total of 189.0' of drift rehabilitation reported as drift equivalent footage plus 10.0' of new drift advance.

Further breakdown of the item "Miscellaneous Tools and Supplies" appearing on the Operator's Monthly Report and Voucher is as follows:

Drill Steel	$ 524.14
Tools	11.66
Oils & Greases	71.76
Mine Lights	4.68
Total	$ 612.24

Breakdown of the item "Repairs to Equipment" is as follows:

Hose Repair	$ 11.43
Air Drills	37.53
Compressor	0.90
Mine Power	0.83
	$ 50.69

During the entire month the Comet Operation was on a one shift basis.

Sincerely yours,

John J. Russell

John J. Russell
Mine Supt.

A-1646

REFERENCES

C[illegible]NED METALS REDUCTION C[illegible]

Comet Mines Incorporated
Pioche, Nevada
Exploration Project

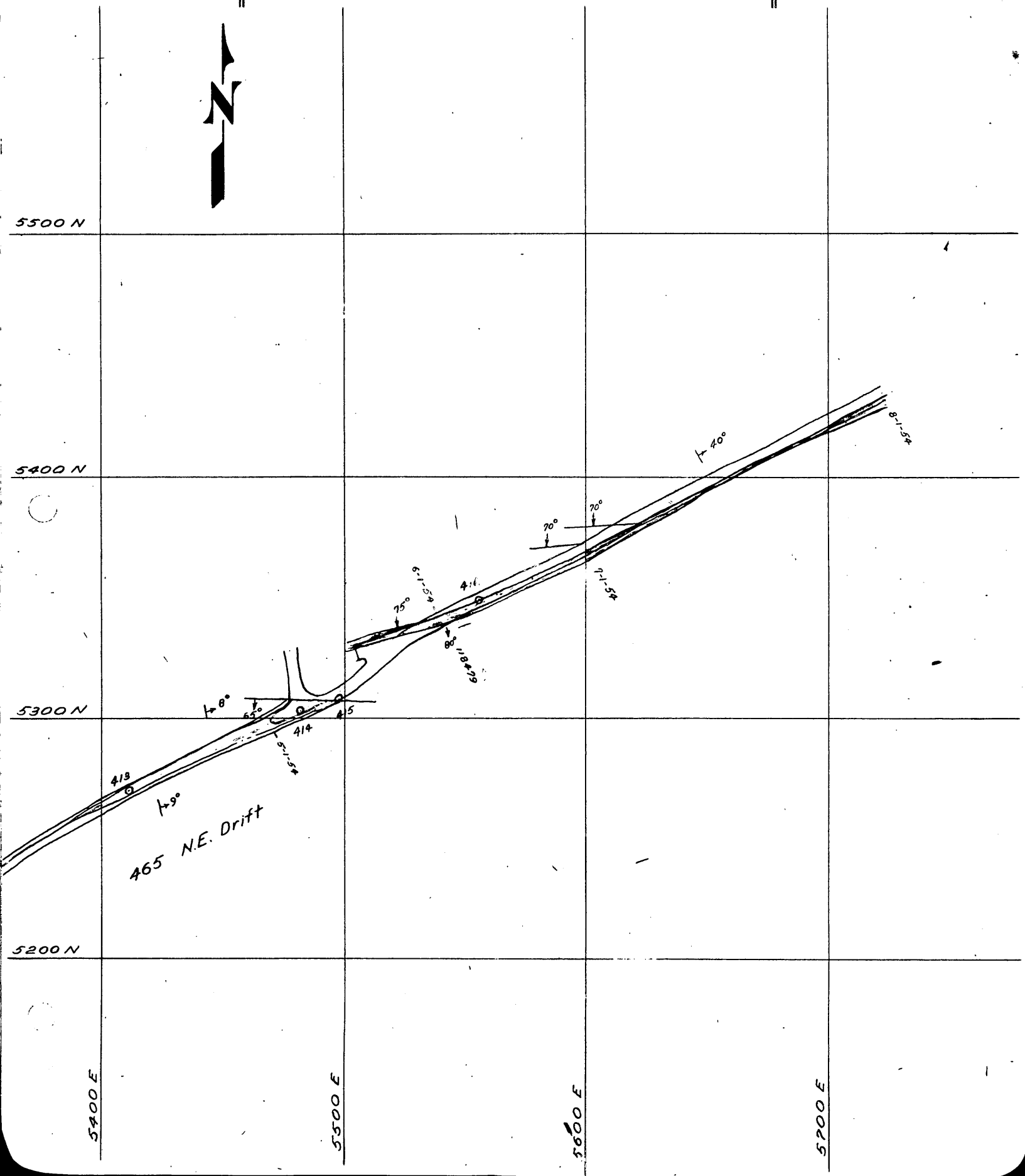
June 17, 1954

MADE BY O.E. Schrader

TRACED BY

CHECKED BY J.J. Russell

SCALE 1" = 50'



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

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

RECEIVED
JUL 30 1954

ACCOUNTS
SEP 27 1954

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

Month of June, 1954 Docket No. DMEA 2399 Contract No. [illegible]
Operator's Name Coast Lines, Inc. Minerals Lead-Zinc
Address P. O. Box 190, Salt Lake City, Utah
Contract Amount, $100,000.00 Government Participation: 50 % Amount, $50,000

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:						9/29/54 J.W.C.
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,660.42	19,643.41	21,311.83			
Supervision	150.00	9,981.11	10,131.11			
Technical Services	20.00	279.39	299.39			
(3) Operating Mat'ls. and Supplies:						
Timber	7.27	6,322.05	6,329.32			
Explosives	205.63	2,299.36	2,499.19			
Pipe	90.33	1,043.88	1,134.21			
Track	274.02	1,254.46	1,529.28			
Power	93.21	1,299.08	1,392.29			
Misc. Tools & Supplies	637.30	7,040.97	7,678.27			
(4) Operating Equipment:						
Rental	185.00	2,659.94	2,874.94			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	137.22	1,192.01	1,329.23			
Sampling and Analysis	27.50	174.95	202.45			
Payroll Taxes	24.02	1,195.24	1,219.26			
Liability Insurance	93.10	2,274.79	2,367.89			
Misc. Expense	71.74	1,635.65	1,707.39			
(8) Contingencies (specify):						
Misc. Accts. Rec.	272.25	6,400.37	6,672.62			
TOTALS	3,930.31	91,735.26	95,665.57			

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

Date 7/22/54 *Payee Coast Lines, Inc.

ORIGINAL SIGNED BY
Per O. F. BURTON Title Treasurer

*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:

$ 1951.15

Lloyd H. Sjolander
Authorized Certifying Officer

Signature (Authorized Certifying Officer)

Date SEP 9 1954 Vou. No. SF-DMEA-6

(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-E295 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Region III Date July 29, 1954.

A. C. Johnson

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date July 30, 1954

H. C. Miller

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-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 27 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 195 4 Docket No. DMEA 2309 Contract No. MDA 296
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 199, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	3,290.97	69.0'	34,043.52	1,029.7'	33.07		
Crosscutting	Ft.	662.34	17.0'	3,800.21	82.0'	46.32		
Raising	Ft.			45,839.26	391.1'	117.21		
Shafts	Ft.			909.19	6.0'	151.47		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Pulling	Cu. Ft.			11,652.09	6656	1.60		
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5,902.31		195,040.07				

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 9/22/54 Operator Comet Mines, Inc.

ORIGINAL SIGNED BY
Per Q. F. BURTON Title Treasurer

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:

(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

Comet Mines, Inc. Operations Report - June, 1954

July 7, 1954

Paul Gemmill, Vice President, Comet Mines, Inc.

J. J. Russell, Mine Supt.

Dear Paul:

Operations at the Comet Mine during June, 1954, consisted of development work approved by the Defense Minerals Exploration Administration under Project No. 2309.

The 465 Nk drift advanced 83.0'. The first 40' advance along the strike of fissure produced ore. Then the fissure narrowed down to two feet, consisting chiefly of quartz with scattered sphalerite and galena. Just behind the face at the end of the month some minor east-west fracturing and fissuring intersected the fissure the northwest.

During the month the mill cleaned up the Comet stockpile. The tonnages and estimated assays are as follows:

Comet Sulphide	Tons	Au	Ag	Pb	Zn	Cu	MnPb	MnZn
Mine Lot #1 Control	199.870	.03	6.77	1.2	10.1	0.5	0.4	0.65
Total Lots	199.870	.03	6.77	1.2	10.1	0.5	0.4	0.65
Plus Inv. 7-1-54	0.000							
Minus Inv. 6-1-54	70.470	.02	5.23	0.95	9.73	0.5		
Total	129.400	.036	7.75	1.36	10.56	0.59		

Further breakdown of the item "Miscellaneous Tools and Supplies" appearing on the Operator's Monthly Report and Voucher is as follows:

Drill Steel	$ 411.70
Tools	18.85
Oils & Greases	6.61
Mine Lights	0.14
Total	$437.30

Breakdown of the item, "Repairs to Equipment is as follows:

Mine Haulage	$ 18.07
Air Drills	111.15
Total	$ 129.22

During the entire month the Comet Operation was on a one shift basis.

Sincerely yours,

John J. Russell

John J. Russell
Mine Supt.

A-1646

REFERENCES

C[illegible]NED METALS REDUCTION C[illegible]

Comet Mines Incorporated
Pioche, Nevada
Exploration Project

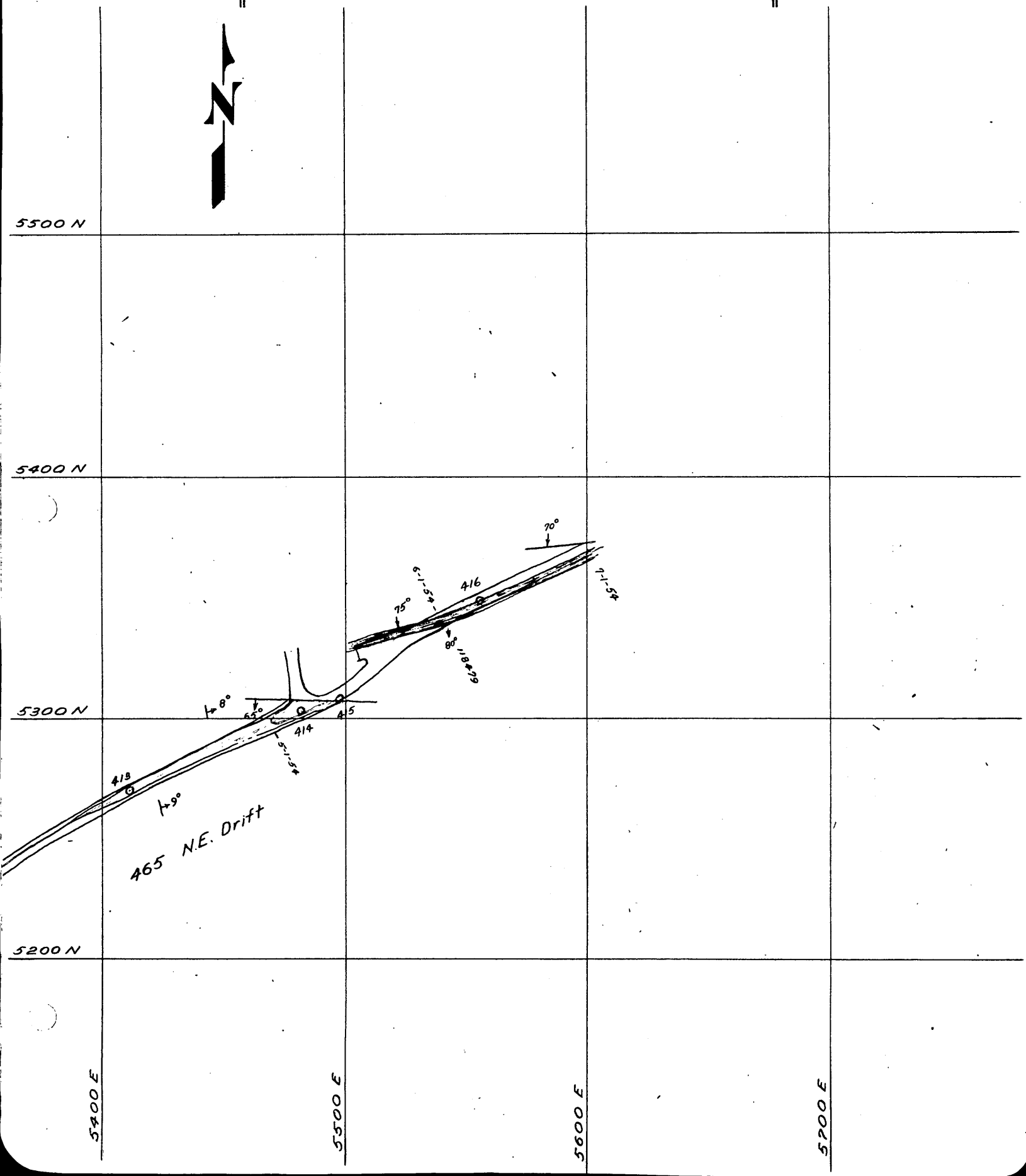
June 4, 1954

MADE BY O.E. Schrader

TRACED BY

CHECKED BY J.J. Russell

SCALE 1" = 50'



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

420 Custom House
555 Battery Street
San Francisco 11, Calif.

Date: **July 23, 1954**

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA **-2309**

Contract Idm-E **295**

Commodity **Lead-Zinc**

Operator - **Comet Mines, Inc.**

Property - **Comet Mine**
Lincoln County, Nevada

By **Glenn G. Gentry**

Dated **July 22, 1954**

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

Roscoe Smith, USGS (With one copy of report)

INTERIM REPORT

Docket No.: DMEA-2309 (Lead-zinc) July 22, 1954

Name and address of operator: Comet Mines, Inc.
Pioche, Nevada

Name and location of property: Comet Mine
Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY

The Comet Mine was visited on June 21, 1954 for the purpose of inspecting the work performed by the applicant under the exploration contract. During the inspection, the examining engineer was accompanied by Mr. John J. Russell, mine superintendent.

The principal work has been confined to the extension of the northeast drift on the 465-foot level, which has been advanced a distance of 198 feet. Crosscutting from the drift has amounted to 32 feet, making a total of 230 feet of exploration.

The southwest drift was advanced a distance of 6 feet, only one round being drilled and blasted. The quartz vein exposed throughout the entire length of this drift has been only slightly mineralized and for that reason additional exploration has been temporarily suspended.

The northeast drift has been successful in exposing a well-mineralized quartz vein for a distance of approximately 100 feet. Widths of the mineralized section of the vein will vary from about 1.0 feet to 2.5

feet. The exposure of commercial ore has been very encouraging and the applicant expects to utilize the unexpended footage on this level in continuing the drive eastward. In the event the northeast drift is still in commercial ore at the expiration of the 1100 feet allowed by the contract, the applicant is considering requesting additional footage to be transferred from the south drift on the 640-foot level to the 465-foot level in order to explore for the strike limit of the ore shoot. During May and June 1954, this ore shoot has produced the following sulphide ore which was shipped to the Caselton Plant of the Combined Metals Reduction Co., and stockpiled for treatment:

Month	Dry tons	%, Pb	%, Zn	%, Cu	%, WO_3	Oz./T Au	Oz./T Ag
May 1954	68	0.95	9.72	0.6	-	0.02	5.23
June "	126	1.0	10.5	0.6		0.04	6.0
	194						

CONCLUSIONS AND RECOMMENDATIONS

The exploration work on the 465-foot level has followed good mining practice and is considered as satisfactory to Government. The rock is hard and has required no timbering.

No recommendations are made at this time.

GEOLOGY

Sulphide mineralization has increased in the last 100 feet of drifting completed on the date of this inspection and has produced 194 tons of commercial ore. The sulphide minerals are principally sphalerite and pyrite with some galena and silver. This ore occurs as a banded formation in

white quartz. The mineralized zone in the east drift on the 465-foot level is nearly directly under the east stope on the 160-foot level, which had been productive during past operations (fig. 2).

While the face of the 465-foot level east drift still shows a good exposure of commercial ore, it is impossible to estimate the strike length of the ore shoot.

SAMPLING

Four channel samples were secured by the examining engineer:

Sample No.	Width, feet	%, Pb	%, Zn	Oz. Au/T	Oz. Ag/T	Location
BM-1318	0.9	0.2	9.9	0.01	8.10	465-foot level - East drift; narrow fissure in short crosscut. Strikes S80°W - nearly vertical.
1319	1.5	0.5	15.9	0.03	4.00	Do; heavy sulphides across back of drift 33 feet east of intersection of crosscut.
1320	2.0	0.7	33.6	0.07	52.40	Do; sulphides across back of drift; 24.5 feet east of BM-1319.
1321	2.5	4.3	11.8	0.14	9.00	Do; heavy sulphides in face of drift.

STATEMENT OF WORK COMPLETED

465-foot level:

Northeast drift:

Started:	5/23/53	
Suspended:	10/12/53	
Resumed:	3/29/54	
Advance previously reported		362.5 feet
Advance 4/15/54-6/21/54		230.0 "
Total advance		592.5 feet

Southwest drift:

Started:	5/22/53	
Suspended:	10/12/53	
Resumed:	May 1954	
Advance previously reported		309.5 feet
Advance 4/15-6/21/54		6.0 "
Total advance		315.5 feet

Total advance, both drifts = 908.0 feet (82.545%)
Remaining to be completed = 192.0 feet (17.455%)

FINANCIAL REPORT

Contract amount $190,000.00
Government participation @ 50% = $95,000.00
Expenditures:

1952		1953		1954	
June	$3,730.75	Jan.	$4,954.70	Jan.-Feb.	None
July	5,857.16	Feb.	3,620.71	March	$ 433.81
August	7,656.52	Mar.	4,856.79	April	3,435.94
Sept.	5,708.72	Apr.	4,063.09	May	3,194.89
Oct.	5,822.88	May	4,762.74		
Nov.	6,941.81	June	3,965.58		
Dec.	8,640.64	July	3,703.73		
		Aug.	4,336.70		
		Sept.	4,150.90		
		Oct.	1,900.50		
		Nov.-Dec.	None		

Total expended	$ 91,738.56
Unexpended	$ 98,261.44

Contract dated:	April 16, 1952
Contract period:	20 months - amendment No. 2, dated 12/18/53 extends completion to 32 months.
Contract expires:	December 16, 1954
Unexpended time§	6 months

The uncompleted exploration amounts to:

192 feet of drifting on the 465-foot level
90 feet of shaft sinking and timbering
2,000 feet of drifting on the 640-foot level

It appears obvious that the applicant will require a further extension of time in which to complete the contract, and this matter was called to the attention of Mr. Paul Gemmill, general superintendent and Mr. John J. Russell, mine superintendent, representing the applicant.

Glenn G. Gentry
Mining Engineer

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

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May 195 4 Docket No. DMEA 2309 Contract No. [illegible]
Operator's Name Comet Mines, Inc. Minerals Lead, Zinc
Address P. O. Box 193, Salt Lake City, Utah
Contract Amount, $ 190,000 Government Participation: 50 % Amount, $ 95,000

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						All Betty
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:	1,662.00	43,931.41	45,593.41			
Labor	150.00	9,831.11	9,981.11			
Supervision		279.29	279.29			
Technical Services						
(3) Operating Mat'ls. and Supplies:		4,330.32	4,330.32			
Timber	165.19	3,070.17	3,235.36			
Explosives	27.90	1,015.93	1,043.83			
Pipe	24.52	1,209.94	1,234.46			
Track	99.19	1,300.49	1,399.68			
Misc. Tools, Supplies	193.03	6,320.54	7,513.57			
(4) Operating Equipment:	315.00	3,364.94	3,679.94			
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:	105.23	1,045.76	1,150.01			
Repairs to Equipment	29.50	165.49	194.99			
Sampling and Analysis	50.67	1,159.67	1,210.34			
Payroll Taxes	62.61	3,601.58	3,664.19			
Liability Insurance	67.32	1,568.33	1,635.65			
(8) Contingencies (specify): Misc. Accts.	222.99	6,277.67	6,500.37			
Cash Exp.						
TOTALS	3,194.60	88,539.07	91,733.56			

I certify that the above bill is correct and just and that payment therefor has not been received. June 16, 1954
Date *Payee Comet Mines, Inc.
Per ORIGINAL SIGNED BY O. F. BURTON Title Treasurer

*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:

$ 1597.45

Lloyd H. Sjolander
Signature Authorized Certifying Officer
(Authorized Certifying Officer)

Date [illegible] 1954 Vou. No. SF-DMEA-45

(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-E295 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Region III Date June 17, 1954

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. Wicker for H. G. Miller Title Executive Officer DMEA Field Team Region III Date June 18, 1954

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-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1954 Docket No. DMEA 2309 Contract No. DMA-L 295
Operator's Name Comet Mines, Inc. Minerals Lead, Zinc
Address P. O. Box 150, Salt Lake City, Utah

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft.	$2,953.77	98.0	$30,804.55	1,005.7	$ 30.63		
Crosscutting	Ft.	241.12	8.0	3,137.47	64.0	49.02		
Raising	Ft.			45,239.26	381.1	118.71		
Shafts	Ft.			905.19	6.0	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Raising	Cu. Ft.			11,652.09	6,456	1.80		
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		$3,194.89		$91,738.56				

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

Remarks:

Date June 14, 1954 Operator COMET MINES, INC.

Per ORIGINAL SIGNED BY O. F. BURTON Title Treasurer

→ 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

COMBINED METALS REDUCTION COMPANY

Comet Mines, Inc. Operations Report - May, 1954

June 4, 1954

Paul Gemmill, Vice President, Comet Mines, Inc.

J. J. Russell, Mine Supt.

Dear Paul:

Operations at the Comet Mine during May, 1954, consisted of development work approved by the Defense Minerals Exploration Administration under Project No. 2309.

The 465 NE drift advanced 86.5'. A northeast fault offset the fissure to the north. The drift was turned and the fissure was picked up and drifting continued on the strike of the fissure. From the drift section where the fissure was first encountered after the turn for a distance of 24' the muck was hoisted as ore. Production totaled 87 tons. The weighted hoisted average sample assayed .02 gold, 5.23 silver, 0.95 lead, and 0.73 zinc. This ore has been trucked to the Caselton stockpile area. One round was shot back along the strike of the fissure from the drift-fissure intersection.

There were several days delay with ore in the bin waiting for the truck. This time was used to start a crosscut through the northwest fault. One round was shot in the 465 SW drift during the same period of time.

Distribution of supplies for the operators report and voucher are as follows:

Explosives		$ 165.19
Pipe		27.58
Track		14.52

Miscellaneous Tools & Supplies

Development Supplies	$ 5.89	
Drill Steel	140.89	
Oils & Greases	48.02	
Electrical Supplies	2.70	
Sanitation	.56	
		$ 198.06

COMBINED METALS REDUCTION COMPANY

Repairs to Equipment

Jackleg	$ 101.85	
Compressor	4.40	
		$ 106.25
Total Supplies		$ 511.60

During June the 465 M. drift will be advanced along the fissure. Any ore mined during the drive will be trucked to the Caselton stockpile area.

Sincerely yours,

John J. Russell
John J. Russell
Mine Supt.

COPY

A

REFERENCES

COMBINED METALS REDUCTION CO

Comet Mines Incorporated
Pioche, Nevada
Exploration Project

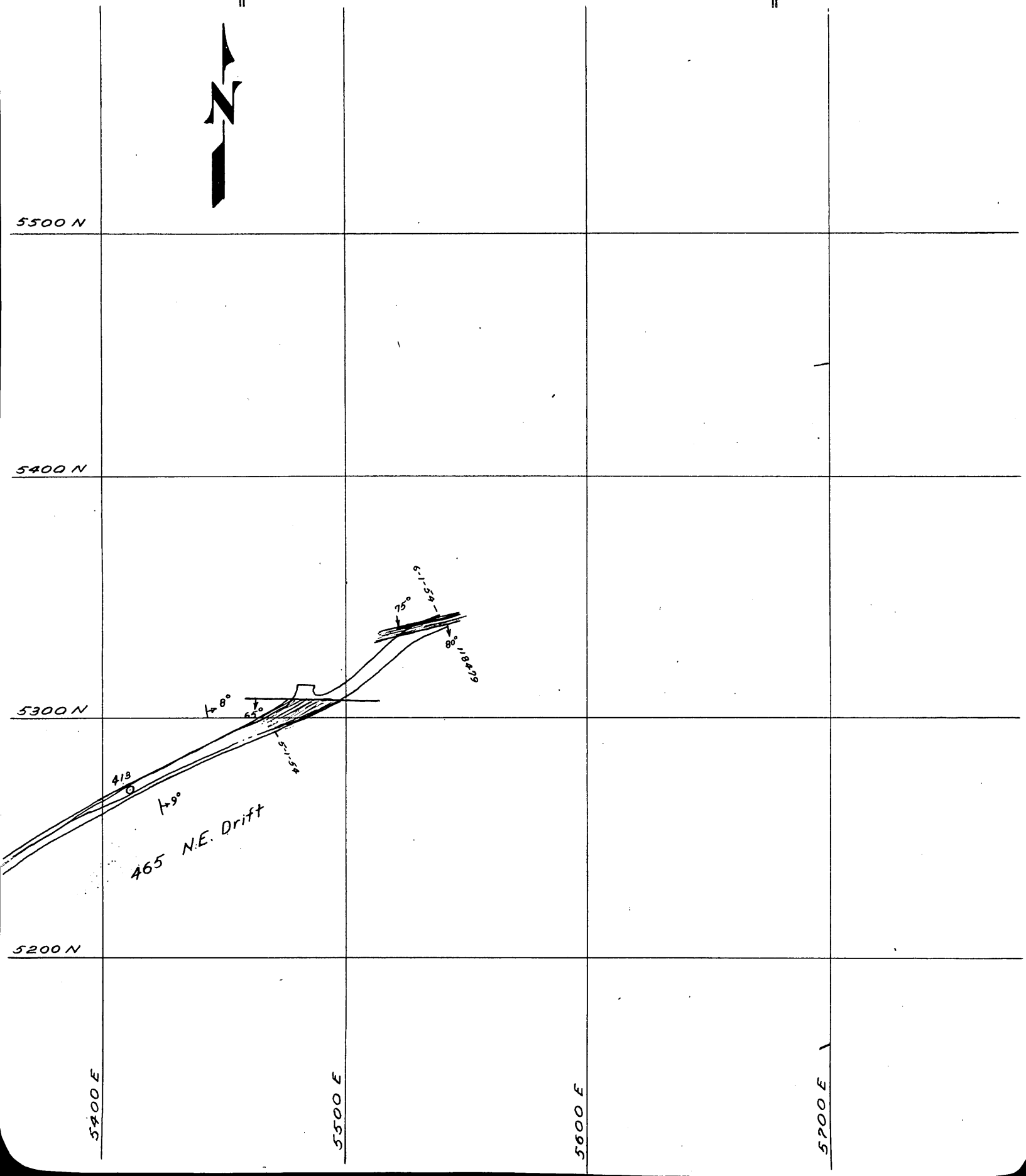
June 4, 1954

MADE BY O.E. Schrader

TRACED BY J.J. Russell

CHECKED BY

SCALE 1" = 50'



A

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED

PIOCHE, NEVADA

EXPLORATION PROJECT

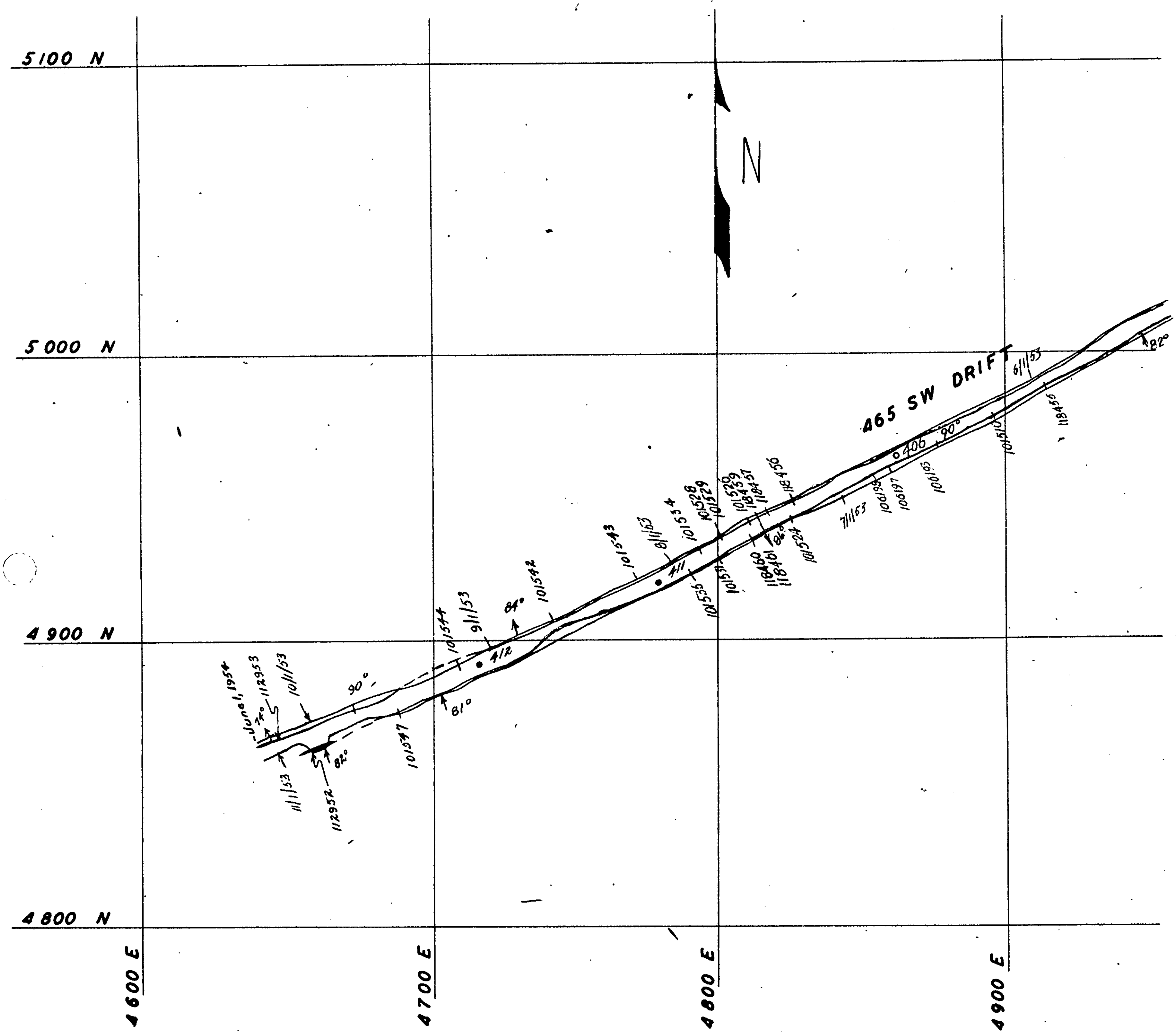
JULY 30 1953

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 50'



Form MF-194 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.4
Approval expires 6-30-55.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1954 Docket No. DMEA 2309 Contract No. DMI-S 295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 190,000 Government Participation: 50 % Amount, $ 95,000

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,937.31	42,044.10	43,981.41			
Supervision	150.00	9,681.11	9,831.11			
Technical Services	20.00	259.29	279.29			
(3) Operating Mat'ls. and Supplies:						
Timber	11.33	4,319.52	4,330.85			
Explosives	143.60	2,926.57	3,070.17			
Pipe	63.30	953.00	1,016.30			
Track		1,269.94	1,269.94			
Power	84.77	1,215.72	1,300.49			
Misc. Tools, Supplies	225.56	6,594.95	6,820.51			
(4) Operating Equipment:						
Rental						
Purchase	315.00	3,029.94	3,344.94			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	14.10	1,031.66	1,045.76			
Sampling and Analysis		165.45	165.45			
Payroll Taxes	68.88	1,070.79	1,139.67			
Liability Insurance	95.39	3,106.59	3,201.98			
Pickup Transp.	66.98	1,501.35	1,568.33			
(8) Contingencies (specify):						
Misc. Acctg. Gen. Exp.	239.72	5,937.75	6,177.47			
TOTALS	3,435.94	85,107.73	88,543.67			

6/14/54. J.H.D.

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

Date May 13, 1954 *Payee Comet Mines, Inc.

ORIGINAL SIGNED BY
Per O. F. BURTON Title Treasurer

*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:

$ 1717.97

Lloyd H. Sjolander
Signature Authorized Certifying Officer
(Authorized Certifying Officer)

Date JUN 2 1954 Vou. No. SF-DMCA-42

(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. Ism-E295 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Date May 18, 1954.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: A. C. Johnson Region III

Signature H. C. Miller Title DMEA Field Team Executive Officer Date May 24, 1954

H. C. Miller Region III

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-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1954 Docket No. DMEA 2309 Contract No. [illegible] 295
Operator's Name Comet Mines, Inc. Minerals Lead, Zinc
Address P. O. Box 250, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	3,439.94	125.2	27,850.78	907.7	30.68		
Crosscutting	Ft.			2,896.35	56.0'	51.72		
Raising	Ft.			45,239.26	931.1	119.71		
Shafts	Ft.			905.19	6.0'	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Raising	Cu.Ft.			11,652.09	6,466	1.80		
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,439.94		88,543.67				

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

REMARKS:

Date May 13, 1954 Operator Comet Mines, Inc.

Per ORIGINAL SIGNED BY O. F. BURTON Title Treasurer

→ 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

COMBINED METALS REDUCTION COMPANY

Comet Mines, Inc. Operations Report - April, 1954

May 4, 1954

Paul Connill, Vice President, Comet Mines, Inc.

J. J. Russell, Mine Supt.

Dear Paul:

Operations at the Comet Mine during April, 1954, consisted of development work approved by the Defense Minerals Exploration Administration under Project No. 2308.

The 465 NE drift advanced 125.2' along the strike of the Comet Fissure. The last 10' of fissure exposed widened out to 4'. A 4.0' cut sample assayed: 2.10 Ag. 0.9 Pb and 3.3 Zn. The mineralization was chiefly quartz with small showings of galena and sphalerite and occasional copper oxide minerals. The vein material is still partly oxidized. //

Further breakdown of the item "Miscellaneous Tools and Supplies" appearing on the Operator's Monthly Report and Voucher is as follows:

Drill Steel	$ 69.86
Ventilation	126.20
Oils & Greases	24.85
Shaft Timber	3.20
Lights	1.45
Total	$ 225.56

Breakdown of the item "Repairs to Equipment" is as follows:

Haulage	$ 1.50
Hoist	1.61
Compressor	10.99
Total	$ 14.10

During the entire month the Comet Operation was on a one shift basis.

Sincerely yours,

John J. Russell

John J. Russell
Mine Supt.

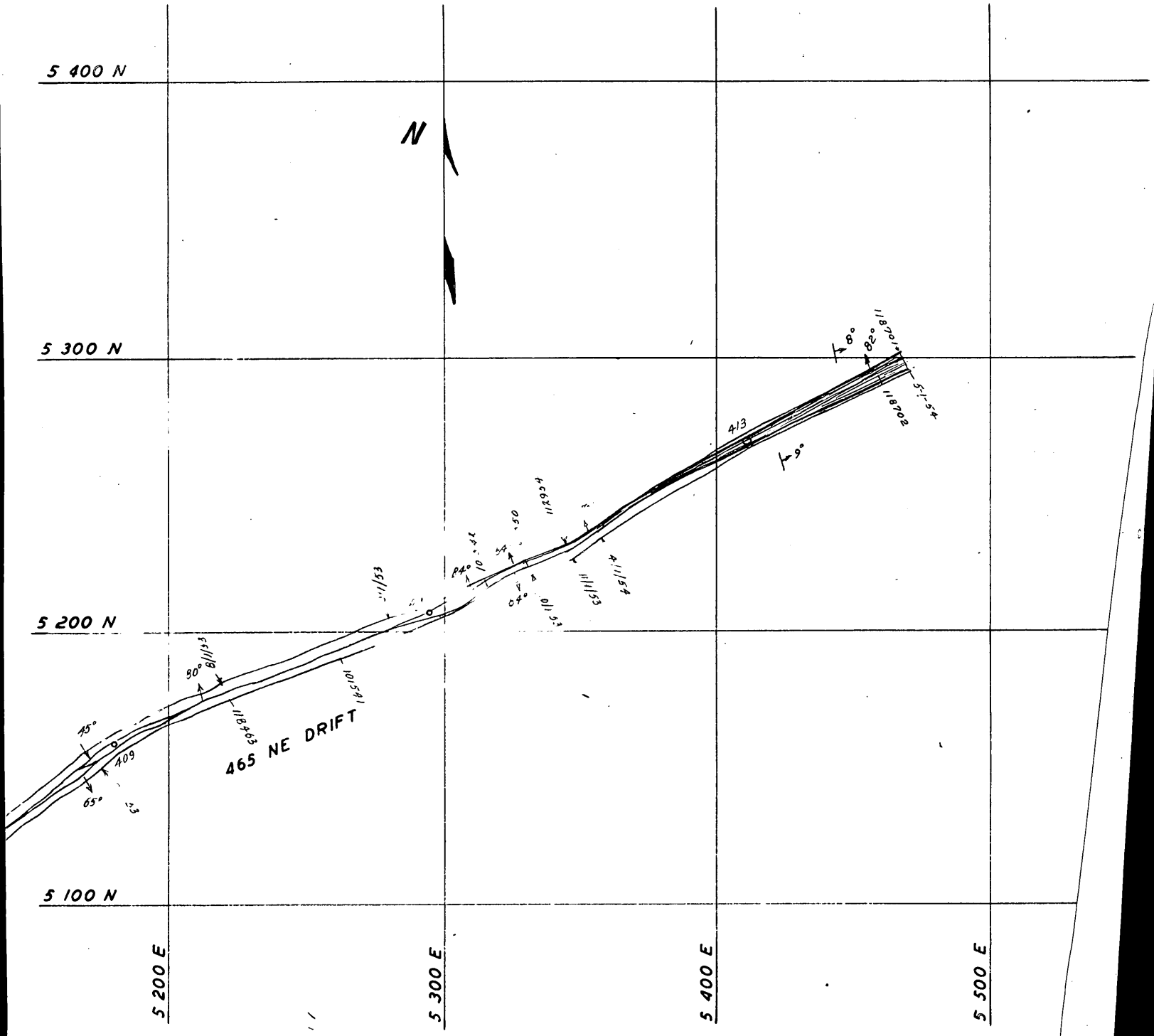
COPY

A

C[illegible]BINED METALS REDUCTION C[illegible]

COMET MINES INCORPORATED
PIOCHE, NEVADA
EXPLORATION PROJECT

SEPT 10 19[illegible]
MADE BY RRD
TRACED BY
CHECKED BY
SCALE 1" = 50'



INTERIM REPORT

Docket No.: DMEA-2309 (Lead-Zinc) April 29, 1954

Name and address of operator: Comet Mines, Inc.
Pioche, Nevada

Name and location of property: Comet Mine, Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY

The Comet Mine was visited on April 15, 1954 for the purpose of inspecting the work performed by the applicant under the exploration contract. During the inspection the examining engineer was accompanied by Mr. John J. Russell, mine superintendent.

Pursuant to amendment No. 2, the applicant resumed operations on March 29, 1954 and has maintained steady progress since that date. Three men are employed (two miners and one hoistman) working one shift per day on a 6-day week basis. Exploration during this period has been confined to extending the Northeast drift on the 465-foot level. The drift has followed the well defined quartz filled fissure which, so far, has disclosed only slight mineralization.

Temporarily, the operator has discontinued the extension of the Southwest drift on the 465-foot level, principally due to the lack of lead-zinc mineralization of the quartz vein when exploration was stopped on November 9, 1953.

CONCLUSIONS

The exploration work in the drift has followed good mining practice and is considered to be satisfactory to Government.

The rock is hard, stands well, and the drift has required no timber supports. The face of the Northeast drift is now nearly under one of the old productive stopes east of the shaft on the 160-foot level, and the operators hope to find the downward extension of this ore body.

RECOMMENDATIONS

While the miners are using a battery locomotive for haulage, the distance from the face of the drift to the point of switching cars is such that it increases the mucking time. This delay could be corrected by the installation of a siding nearer the face or a cherry picker (hydraulic hoist) to move the empty cars.

GEOLOGY

There has been no change in the character of the quartz vein followed in extending the Northeast drift. Lead-zinc mineralization has been slight and very discontinuous though the width of the vein has increased to some extent in the face of the drift.

SAMPLING

Northeast drift:

Sample	Percent			Oz./T		
No.	Zn	Pb	Cu	Au	Ag	Description
BM-1211	0.1	3.9	0.27	0.005	0.40	Small specimen from face of Northeast drift.

Sample No.	Percent Zn	Percent Pb	Percent Cu	Oz./T Au	Oz./T Ag	Description
BM-1212	0.2	0.4	0.08	0.04	0.65	Width 3.8 feet. Across quartz vein in face of Northeast drift.
BM-1213	0.1	0.3	0.05	Tr.	Tr.	Width 14 inches. Across back of Northeast drift and 7 feet west of face.
BM-1214	0.2	0.3	0.05	Tr.	Tr.	Width 0.8 foot. Narrow quartz vein. Across back of drift, near north wall.

STATEMENT OF WORK COMPLETED

465 level:

Northeast drift:

Started: 5/23/53
Suspended: 10/12/53
Resumed: 3/29/54

Advance previously reported:	297.0 feet
Advance 3/29-4/15/54:	65.5 "
Total advance	362.5 "

Southwest drift:

Started: 5/22/53
Suspended 10/12/53
Resumed: Work not resumed

Advance previously reported:	309.5 feet
Advance this period:	None
Total advance	309.5 feet

Total advance, both drifts:	672.0 " (61.09%)
Remaining to be completed:	428.0 " (38.91%)

FINANCIAL REPORT

Contract amount	$190,000.00
Government participation @ 50% = $95,000.00	

Expenditures:

1952		1953		1954	
June	$3,730.75	January	$4,954.70	Jan. -Feb.	None
July	5,857.16	February	3,620.71	March	$433.81
August	7,656.52	March	4,856.79		
Sept.	5,708.72	April	4,063.09		
Oct.	5,822.88	May	4,762.74		
Nov.	6,941.81	June	3,965.58		
Dec.	8,640.64	July	3,703.73		
		August	4,336.70		
		September	4,150.90		
		October	1,900.50		
		Nov. -Dec.	None		

Total expended $85,107.73
Unexpended $104,892.27

Contract period:

Contract dated: April 16, 1952
Contract period: 20 months
Amendment No. 2 extends completion to 32 months
Contract expiration date: December 16, 1954
Unexpended time: 8 months

The uncompleted exploration amounts to:

2,428 feet of drifting
90 feet of shaft sinking and timbering

Unless the operator increases his mining crews and uses a two shift operation, in the near future, it appears doubtful that the project will be completed by the date the contract expires. This matter was discussed with both Mr. John J. Russell, mine superintendent and Mr. S. S. Arentz, Western Manager of Operations for the applicant.

Glenn G. Gentry
Mining Engineer

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 March, 1954 Docket No. DMEA 2309 Contract No. 101-295
Operator's Name Coast Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $190,000 Government Participation: 50 % Amount, $95,000

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:	194.25	41,649.85	42,844.10			
Labor	40.00	9,641.11	9,681.11			
Supervision		259.29	259.29			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		4,319.52	4,319.52			
Explosives	51.33	2,875.24	2,926.57			
Pipe		953.00	953.00			
Track		1,269.94	1,269.94			
Power	20.11	1,195.61	1,215.72			
Loc. Tools & Supl.		6,594.95	6,594.95			
(4) Operating Equipment:	40.95	2,908.99	2,929.94			
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:	27.50	1,094.06	1,121.66			
Repairs to Equipment		165.45	165.45			
Sampling and Analysis	7.73	1,063.06	1,070.79			
Payroll Taxes	15.71	2,095.88	2,106.59			
Liability Insurance	13.68	1,488.47	1,501.55			
Transportation	30.27	5,907.48	5,937.75			
Doc. Stg. Gen. Expense						
(8) Contingencies (specify):						
TOTALS	433.01	84,673.92	85,107.73			

Approved
Betty
5/14/54 J.W.A.

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

Date 4-25-54 *Payee Coast Mines, Inc.

Per [signature] Title Treasurer

*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:

$216.91

Signature Lloyd H. Sjolander
Authorized Certifying Officer
(Authorized Certifying Officer)

Date Vou. No. 2F-DMEA-39
(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-E295 in accordance with the terms of the contract.

Signature [signature] Title Mining Methods Research Engr. Date April 28, 1954.

George H. Holmes, Jr.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [signature] Title Executive Officer DMEA Field Team Region III Date April 30, 1954

H. C. Miller

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-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
APR 10 1954

Month of March 1954 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Comet Mines, Inc. Minerals [illegible]
Address P. O. Box 250, Salt Lake City, Utah

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	ft.	[illegible]	20.5	[illegible]	[illegible]	[illegible]		
Crosscutting	ft.			[illegible]	[illegible]	[illegible]		
Raising	ft.			[illegible]	[illegible]	[illegible]		
Shafts	ft.			[illegible]	0.0	[illegible]		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails	[illegible] ft			[illegible]	[illegible]	[illegible]		
Total Distributed Costs		[illegible]		[illegible]				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		[illegible]		[illegible]				

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 [illegible] Operator Comet Mines, Inc.

Per [signature] Title Engineer

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)

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GPO 83-38475

Comet Mines, Inc. Operations Report - March, 1954

April 6, 1954

Paul Gemmill, Vice President, Comet Mines, Inc.

J. J. Russell, Mine Supt.

Dear Paul:

Operations at the Comet Mine during March, 1954, consisted of development work approved by the Defense Minerals Exploration Administration under Project No. 2309.

Drifting was resumed in the 465 NE drift. The drift advanced 10.5'.

No change in the characteristics of the fissure was encounted.

It was necessary to spend one day reblocking the shaft sets.

Breakdown of the item "Repairs to Equipment" is as follows:

Lights	$ 2.26
Haulage	7.00
Change Room	18.32
Total	$ 27.58

The last three days of the month of March were worked at the Comet.

Sincerely yours,

John J. Russell

John J. Russell
Mine Supt.

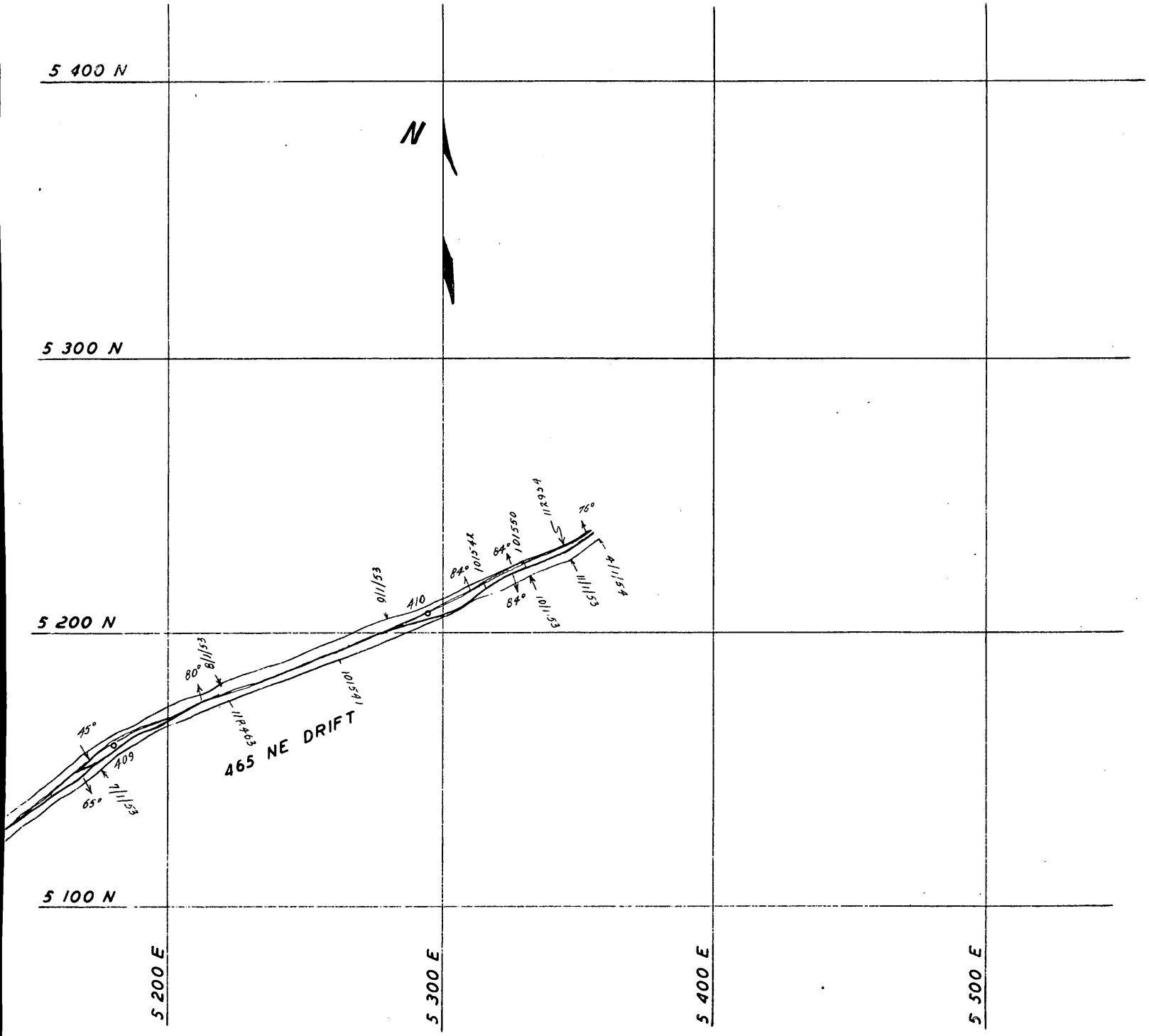
A

REFERENCES.

COMBINED METALS REDUCTION C

COMET MINES INCORPORATED
PIOCHE, NEVADA
EXPLORATION PROJECT

SEPT 10 · 19 53
MADE BY RRD
TRACED BY
CHECKED BY
SCALE 1" = 50'



DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 18 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: March 15, 1954

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA-2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated March 10, 1954

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

~~XXXXXXXXXXX~~, USGS (With one copy of report)
Roscoe Smith

INTERIM REPORT

Docket No.: DMEA-2309 (Lead-Zinc) March 10, 1954

Name and address of operator: Comet Mines, Inc., Pioche, Nevada

Name and location of property: Comet Mine Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY

The Comet mine was visited on March 4, 1954 and a conference held with Mr. Robert Durk, mine superintendent, relative to the proposed resumption of exploration operations.

Under date of February 11, 1954, Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, had forwarded amendment No. 2 to Mr. S. S. Arentz, president of the mining company, for signature. However, this office has no record that the amendment has been signed by the applicant.

Amendment No. 2 states that the contract operations are to be resumed on March 29, 1954 and this date was called to the attention of Mr. Durk. During the period of recess, the operator has maintained a watchman at the property and Mr. Durk advises there will be no delay in getting started.

The examining engineer recommends that the applicant carefully inspect the shaft timbering, prior to resuming operations in order to

tighten any loose blocking or loose wedges.

Due to the decrease in mining operations at the Caselton shaft of the Combined Metals Reduction Company, there should be no difficulty in securing a crew of experienced miners for the Comet mine.

Glenn G. Gentry
Mining Engineer

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 19 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: February 15, 1954

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA -2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated February 8, 1954

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

~~EXHXBaxley~~, USGS (With one copy of report)
Roscoe Smith

INTERIM REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 19 1954

Docket No.: DMEA-2309 (Lead-Zinc) February 8, 1954

Name and address of operator: Comet Mines, Inc., Pioche, Nevada

Name and location of property: Comet Mine, Lincoln County, Nevada

Contract No.: Idm-E295

SUMMARY

On the afternoon of January 14, 1954, the examining engineer conferred with officials of the Comet Mine at Pioche, Nev., relative to the applicant's plans for the resumption of exploration work under the DMEA contract.

In order to execute amendment No. 3, requested by the operator, it will be necessary for the applicant to advise the Executive Officer of the DMEA Field Team, the date that exploration will be resumed. This matter was called to the attention of Mr. S. S. Arentz, president of Comet Mines, Inc., who promised that the information desired would be forwarded immediately to the San Francisco office of DMEA. However, a letter dated December 28, 1953 from the Executive Officer of the DMEA Field Team addressed to Mr. Arentz, has not been answered.

While no exploration work has been conducted in the mine, the applicant maintains a watchman at the property in order to protect the interests of all parties concerned.

Glenn G. Gentry
Mining Engineer

DEC 14 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: December 10, 1953

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA -2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry

Dated November 25, 1953

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

E. H. Bailey, USGS (With one copy of report)

INTERIM REPORT

Docket No.: DMEA-2309 (leadand Zinc) Nov. 25, 1953

Name and address of operator: Comet Mines, Inc., Pioche, Nev.

Name and location of property: Comet Mine, Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY

The Comet Mine was visited on Nov. 9, 1953 for the purpose of inspecting work performed under the exploration contract. During the inspection the examining engineer was accompanied by Mr. O. E. Schrader, mining engineer for the Combined Metals Reduction Co.

On October 13, 1953, the operator discontinued all exploration in the mine due to shortage of funds and the continued low market price for lead and zinc. The operator hopes the closing of the mine will only be temporary but could give no assurance of any definite date for the resumption of operations.

The applicant has retained Mr. Joe Davenport as resident watchman in order that all of the property may be protected at all times. Mr. Davenport was formerly the hoisting engineer.

The mine workings on the 465-level were left in good condition and the two headings were cleaned out prior to the shut down. The equipment has been stored near the shaft level station and small tools and drilling machines have been stored on the 160-foot level. No caving conditions have occurred on the 465-level and it is considered that the ground will

stand well for probably an indefinite period.

On the afternoon of Nov. 9, the operator installed a larger electric motor for the mine hoist drive to replace the former motor which had been transferred for use at another location.

STATEMENT OF WORK COMPLETED

465-level:

	Date started	Date suspended	Advance	
Northeast drift	5/23/53	10/12/53 From sta. 407	108 feet to	7/14/53
			130 " "	9/14/53
			59 " "	11/9/53
		Total	297 "	
Southwest drift	5/22/53	10/12/53 From sta. 406	106 feet to	7/14/53
			149 " "	9/14/53
			54.5 " "	11/9/53
		Total	309.5 feet	

Total advance, both drifts 606.5 feet = 55.14%
Remaining to be completed 493.5 " = 44.86%

All of the exploration work has been performed in a satisfactory manner and has followed good mining practice.

RECOMMENDATIONS

The ventilation tubing in the Northeast drift should be removed and brought to the surface for drying. At present considerable moisture is collecting on the tubing and in time the rubber and canvas will be decomposed. This matter was called to the attention of Mr. O. E. Schrader.

Due to the amount and value of the machinery and equipment, together with the possible danger of fire around a timbered shaft, it is recommended that a watchman be retained at the property for necessary protection.

The exploration contract expires on Dec. 16, 1953, and the operator should request an extension of time if he desires to continue operations. This matter was called to the attention of both Mr. Paul Gemmill, general superintendent and Mr. Robert Durk, mine superintendent, who advised that a request for necessary extension of time would be made immediately.

GEOLOGY

There has been no particular change in the quartz vein, either in size or mineralization, in the Northeast and Southwest drifts. The sulphide mineralization has been very small and irregular, while the quartz has remained as a strong continuous vein.

The Northeast drift has not yet reached the hoped for downward continuation of the ore deposits encountered in the upper levels. This same condition has also probably occurred in the Southwest drift.

The extension of the drifting on the 465-level was one of the major geological objectives of the exploration project and therefore the suspension of operations prior to reaching the objectives has been disappointing.

SAMPLING

Southwest drift:

Sample No.	Width/ft.	%, Pb	%, Zn	%, Cu	Oz Au/T	Oz Ag/T	Description
BM-921	1.5	0.2	0.2	0.38	0.05	1.30	Mineralized quartz in face of drift. Partly oxidized with a 4-inch streak of Fe-Mn.
BM-922	1.5	0.3	0.3	0.52	0.04	0.60	Quartz on south wall of drift - 11.5 feet east of face. Mostly oxidized.

Southwest drift: (Cont'd.)

Sample No.	Width/ft.	%, Pb	%, Zn	%, Cu	Oz Au/T	Oz Ag/T	Description
BM-923	1.5	0.1	1.3	0.40	0.17	1.30	46 feet east of face and on south wall of drift. Same type of quartz as BM-921 and 922.
Northeast drift:							
BM-924	2.0	0.2	0.2	0.15	0.06	1.00	Face of drift; oxidized quartz on north wall of drift. Small amount of sulphides noted.
BM-925	0.25	0.2	4.1	0.10	0.33	2.50	Face of drift. Narrow stringer of sulphide ore in northwest corner at bottom of drift.
BM-926	2.6	0.1	0.1	0.10	0.075	0.20	Quartz in back of drift - 34 feet west of face.
BM-927	1.2	0.2	0.1	0.05	0.14	0.90	Quartz in back of drift - 51 feet west of face. Shows considerable sulphides.

FINANCIAL REPORT

Contract amount: $190,000.00
Government participation @ 50% = $95,000.00

Expenditures:-					
	June 1952	$3,730.75	Jan. 1953		$4,954.70
	July "	5,857.16	Feb. "		3,620.71
	Aug. "	7,656.52	Mar. "		4,856.79
	Sept. "	5,708.72	April "		4,063.09
	Oct. "	5,822.88	May "		4,762.74
	Nov. "	6,941.81	June "		3,965.58
	Dec. "	8,640.64	July "		3,703.73
			Aug. "		4,336.70
			Sept. "		4,150.90
			Total		$82,773.42

Unexpended balance: $107,226.58

Contract dated: April 16, 1952
Contract period: 20 months
Expended time: 18 months
Unexpended time: 2 months

Glenn G. Gentry
Mining Engineer

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

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS DEC 8 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

1/18/54 - Received by J.W.A.

Month of October, 195 3 Docket No. DMEA 2309 Contract No. IDM-E 295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $190,000 Government Participation: 50 % Amount, $95,000

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						1/18/54 J.W.A.
(2) Labor and Supervision:						
Labor	759.93	41,089.92	41,849.85			
Supervision	103.80	9,537.31	9,641.11			
Technical Services	-	259.29	259.29			
(3) Operating Mat'ls. and Supplies:						
Timber	-	4,319.52	4,319.52			
Explosives	79.95	2,795.29	2,875.24			
Pipe	-	953.00	953.00			
Track	368.52	901.42	1,269.94			
Power	50.90	1,144.71	1,195.61			
Misc.Tools,Supplies	190.44	6,404.51	6,594.95			
(4) Operating Equipment:						
Rental	108.99	2,880.00	2,988.99			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	2.25	1,001.83	1,004.08			
Sampling and Analysis	17.00	148.45	165.45			
Payroll Taxes	8.00	1,055.06	1,063.06			
Liability Insurance	39.47	3,056.41	3,095.88			
Pick-up Transp.	38.66	1,451.81	1,490.47			
Whse.Acctg.,Gen.Exp.	132.59	5,774.89	5,907.48			
(8) Contingencies (specify):						
TOTALS	$1,900.50	$82,773.42	$84,673.92			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 12/1/53 *Payee Comet Mines, Inc.
Per [signature] Title Treasurer

*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:

$ 950.25

Signature
(Authorized Certifying Officer)
Date DEC 9 1953 Vou. No SF-DMEA-26
(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-E295 in accordance with the terms of the contract.

Signature George H. Holmes, Jr. Title Mining Methods Research Engr. Date Dec. 4, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker for H. C. Miller Title Executive Officer DMEA Field Team Region III Date December 7, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS DEC 8 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1953 Docket No. DMEA 2309 Contract No. IDU-E 295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	1900.50	32.5	23,981.03	772.0	31.06		
Crosscutting	Ft.			2,896.35	56.0	51.72		
Raising	Ft.			45,239.26	381.1	118.71		
Shafts	Ft.			905.19	6.0	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
~~Test Pits~~ Sta. Excavation ~~Miscellaneous~~ & Work Prep. to Raising	Cu.Ft.			11,652.09	64.56	1.80		
TOTAL DISTRIBUTED COSTS		1900.50		84,673.92				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1900.50		84,673.92				

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 12/1/53 Operator Comet Mines, Inc.

Per [signature] Title Treasurer

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

Comet Mines, Inc. Operations Report, October, 1953

November 5, 1953

Paul Gemmill, Vice President, Comet Mines, Inc.

H. E. Ure, Mine Supt.

Dear Paul:

Operations at the Comet Mine during October, 1953, consisted of development work approved by the Defense Minerals Exploration Administration under Project No. 2309. All activity was temporarily discontinued on the 16th of October. Nine operating days were completed and supervision and equipment rental charges were proportioned accordingly.

The 465 northeast drift was advanced 16.5' and the 465 southwest drift was advanced 16.0' making a total advance of 34.5' on the project.

No radical change in the characteristics of the vein was encountered in either heading. The vein remained about 6' in width in the southwest heading with both hanging and foot walls being oxidized for about 1 1/3', the center of the vein being filled with barren quartz. A 1 inch streak of lead and zinc sulphide was encountered on the north side of the drift in the face of the northwest heading. Samples taken in both headings failed to indicate commercial ore of mineable width.

Assays of cut samples listed on the accompanying maps were as follows:

Heading	Sample No.	Length Cut	Au	Ag	Pb	Zn	MoS_2	Cu
3W	112952	2.9'	.01	1.19	.8	.5	Tr	.4
8W	112953	1.5'	.01	1.39	.6	.5	Tr	.5
NE	112954	2.4'	.01	1.29	2.1	.5	Tr	.1

Breakdown of the item "miscellaneous tools and supplies" appearing on the Operator's Monthly Report and Voucher is as follows:

Drill Steel	$ 190.44
Total	$ 190.44

Breakdown of the item "Repairs to Equipment" is as follows:

Hoist repair	$ 1.11
Compressor repair	1.14
TOTAL	$ 2.25

Mr. Davenport has been employed as watchman and resides at the Comet Mine.

Sincerely yours,

Robert Burk
Mine Supt.

A

REFERENCES

CONSOLIDATED METALS REDUCTION CO.

COMET MINES INCORPORATED
PIOCHE, NEVADA
EXPLORATION PROJECT

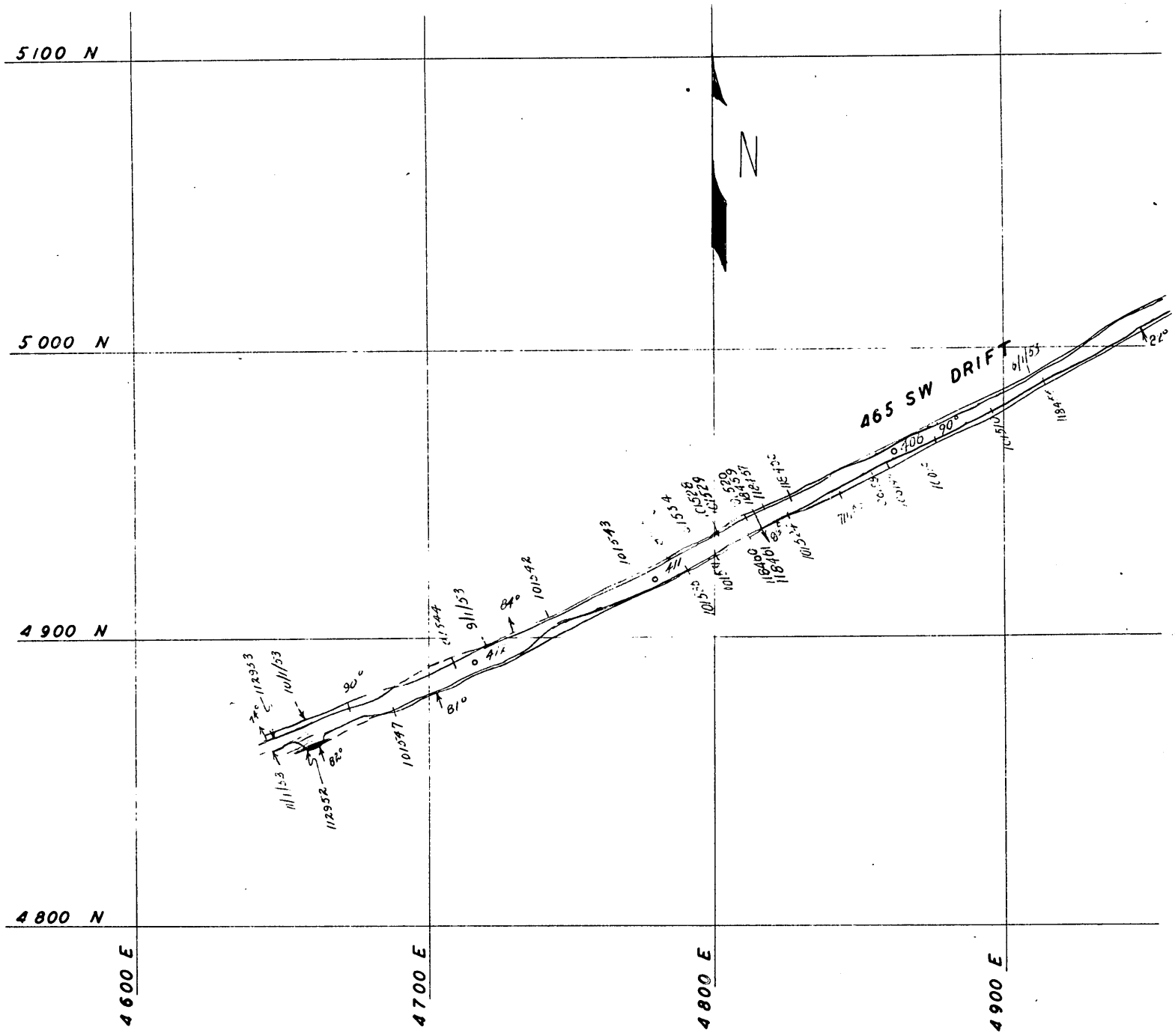
JULY 30 19 53

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 50'



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REFERENCES

COMBINED METALS REDUCTION CO

COMET MINES INCORPORATED
PIOCHE, NEVADA
EXPLORATION PROJECT

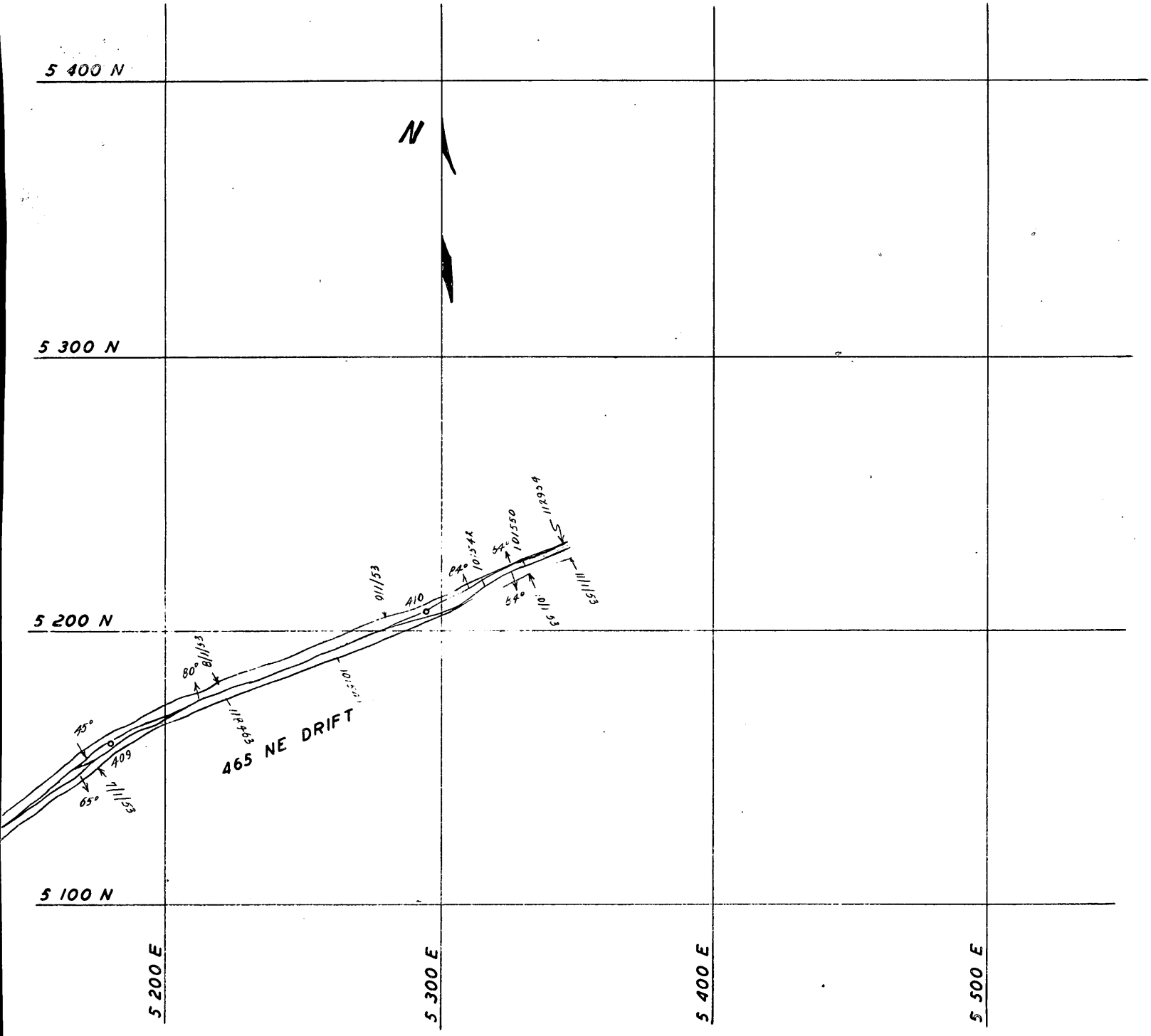
SEPT 10 19 53

MADE BY RRD

TRACED BY

CHECKED BY

SCALE 1" = 50'



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REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED
PIOCHE, NEVADA
EXPLORATION PROJECT

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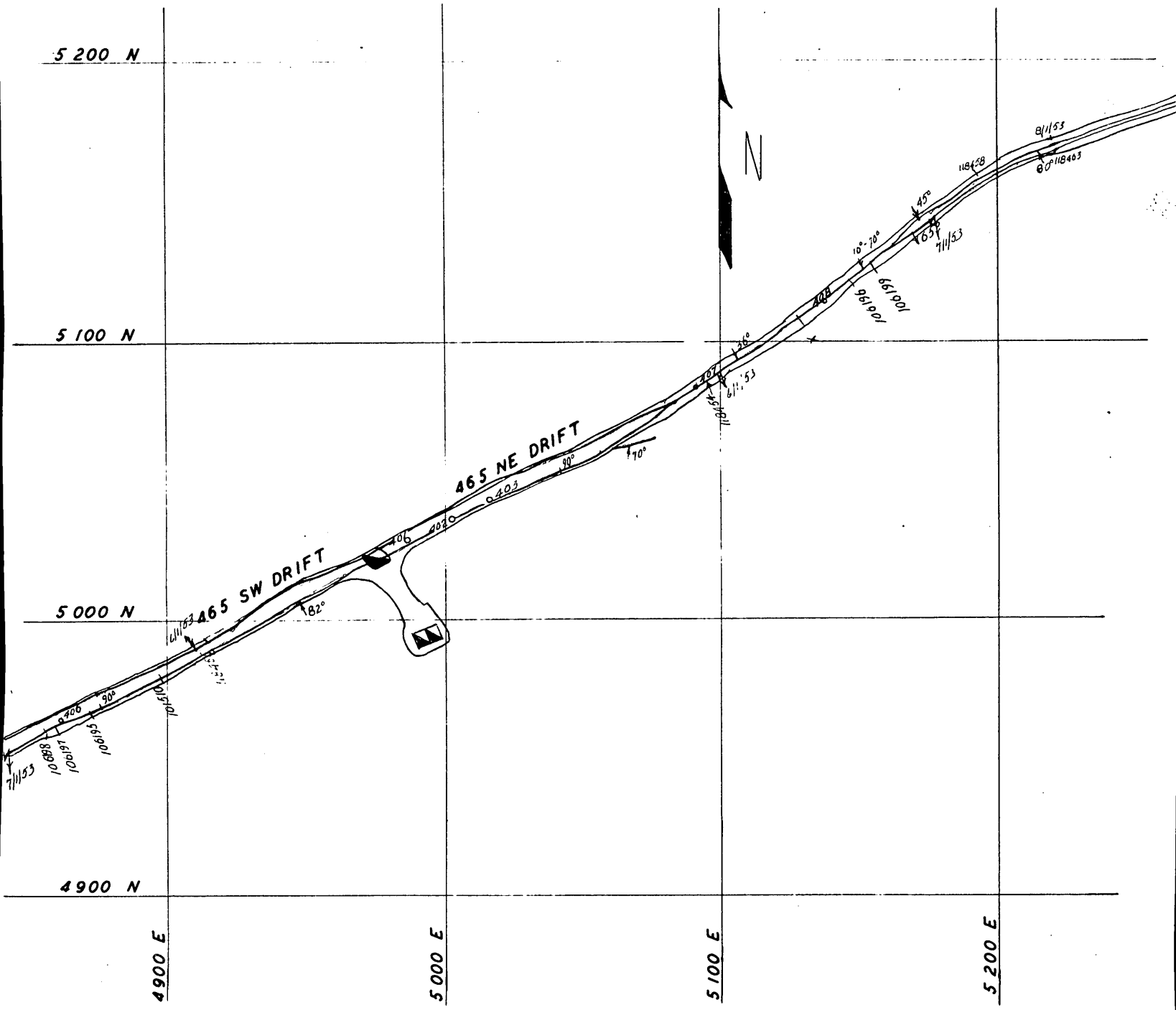
CHECKED BY
SCALE 1" = 50'



DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 13 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: October 13, 1953

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA -2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln County, Nevada

By Mr. Glenn G. Gentry

Dated October 12, 1953

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

E. H. Bailey, USGS (With one copy of report)

INTERIM REPORT

Docket No.: DMEA-2309 (Lead and zinc) October 8, 1953

Name and address of operator: Comet Mines, Inc., Pioche, Nevada

Name and location of property: Comet Mine., Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY

The Comet mine was visited on Sept. 14, 1953 for the purpose of inspecting the work performed under the exploration contract. Mr. E. S. McIntyre, former superintendent, has resigned and the exploration work is now in charge of Mr. Robert Durk. Mr. Durk is also mine superintendent for the Combined Metals Reduction Co. at their Caselton Shaft and at the Black Metals mine. Therefore, Mr. Durk was only able to remain with the examining engineer for a period of 2 hours during the day long inspection.

Since the last inspection on July 14, 1953, the operator has continued to advance the drift on the 465-foot level, in northeast and southwest directions. The work is carried on in the alternate headings, on a day shift basis, the crew consisting of:

	1	Mine superintendent (part time)
	1	Hoistman
	1	Special miner (acts as leadman)
	1	Miner
Total	4	employees

The two miners have continued to work on the same contract basis as detailed in the interim report of July 14, 1953.

An average heading round consists of 23 to 24 drill holes, using a burn cut, and 8-foot drill steel. Twenty-two drill holes are blasted with Giant No. 3 gelodyn 45 percent dynamite. Average powder consumption per round is about one box and 20 sticks.

The operator has installed a battery operated locomotive which has considerably increased the speed of tramming broken rock from the headings to the shaft.

To date the drifts have been advanced through hard rock and no timbering has been required.

STATEMENT OF WORK COMPLETED

	Date started		Advance
Northeast drift	May 23, 1953	From Station 407	108 feet to July 14, 1953
			130 feet to Sept. 14, 1953
		Total	238 feet
Southwest drift	May 22, 1953	From Station 406	106 feet to July 14, 1953
			149 feet to Sept. 14, 1953
		Total	255 feet

Total advance, both drifts - 493 feet = 44.82%
Remaining to be completed- 607 feet = 55.18%

All of the above exploration work has been done in a satisfactory manner and has followed good mining practice.

Adequate ventilation has been provided by installing one Ventair fan at the shaft station and another fan under the old winze and at the intersection of the 465-foot level and the crosscut to the shaft. These fans (or

blowers) are powered by G. E. Co. electric motors, Model 5K225E3, 5 Horsepower, Type K, 220/440 volts, 60 cycle, 3 ph., Nos. TJ1-7291 and PG23196. Twelve inch galvanized pipe (vent) has been installed in the Southwest drift and 12-inch vent tubing is used in the Northeast drift.

RECOMMENDATIONS

The work is progressing as fast as could be expected, as only two men are employed underground.

The examining engineer recommended in the last interim report that it was a mistake to eliminate the mine foreman's position and, from a safety standpoint, this is becoming more evident as the distance between the headings increases.

The exploration contract expires on Dec. 16, 1953, and it is evident that the drifting on the 465-foot level will not be completed by that date. This matter was called to the attention of the mine superintendent with the recommendation that the applicant request an extension of time if they desired to continue the project.

GEOLOGY

The drifting has followed the fissure and the quartz vein which cut the Prospect Mountain quartzite. The quartz vein has been irregular in width and in sulphide mineralization. Sampling, up to date, has shown very little ore that could be considered as of commercial grade. The quartz vein in the face of the Southwest drift measured 10 feet in width, mostly iron stained and containing very little sulphide minerals.

SAMPLING

Sample No.	%, Pb	%, Zn	%, Cu	%, WO_3	Ounces/ton Au	Ounces/ton Ag	Description
Northeast drift:							
BM-774	0.2	0.4	0.05		0.02	Tr.	Width 2.0 feet. Quartz vein in face of drift.
BM-775	0.2	0.4	0.05		0.02	Tr.	Width 2.0 feet. Quartz vein in back of drift and 15 feet west of face.
BM-776	0.2	0.3	0.05		0.015	Tr.	Width 1.5 feet. Quartz vein in back of drift and 33 feet west of BM-775.
BM-777	0.2	0.4	0.03		0.03	Tr.	Width 2.0 feet. Quartz vein in back of drift and 30 feet west of BM-622.
Southwest drift:							
BM-778	0.1	2.5	15.30		0.07	6.60	Width 1.0 feet. Quartz vein in back of drift on footwall side; copper and sulphides.
BM-779	0.2	0.4	0.22		0.02	0.70	Width 3.0 feet. Quartz vein in back of drift - 58 feet southwest of BM-778; shows some sulphides.
BM-780	0.2	0.3	2.48	*0.01	0.03	2.30	Width 3.0 feet. Quartz on footwall side in face of drift. Shows some copper and sulphides.
BM-781	0.2	0.4	0.72	*0.01	0.02	0.80	Grab sample from twenty-two cars. Heading round on 9/12/53.

*=less than.

FINANCIAL REPORT

Contract amount $190,000.00

Government participation @ 50% = $95,000.00

Expenditures for:	June 1952	$3,730.75
	July "	5,857.16
	Aug. "	7,656.52
	Sept. "	5,708.72
	Oct. "	5,822.88
	Nov. "	6,941.81
	Dec. "	8,640.64
	Jan. 1953	4,954.70
	Feb. "	3,620.71
	Mar. "	4,856.79
	Apr. "	4,063.09
	May "	4,762.74
	June "	3,965.58
	July "	3,703.73
	Aug. "	4,336.70
		$78,622.52

Unexpended balance $111,377.48

Contract dated: April 16, 1952
Contract period: 20 months
Expended time: 17 months
Unexpended time: 3 months

COMMENTS

The drill steel breakage, bit wear and replacement costs remain high. The bit wear is caused by the abrasive character of the Prospect Mountain quartzite and the quartz vein material. The miners are using Jackleg machines;and, keeping the machine in line after the hole has been collared, may be one of the reasons for drill rod breakage.

The mine superintendent supervises operations at two other mines which are in production and, therefore, is unable to devote very much time to the Comet mine exploration contract.

Glenn G. Gentry
Mining Engineer

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

ACCOUNTS NOV - 9 1953

Month of September, 1953 Docket No. DMEA 2309 Contract No. IDM-E 295
Operator's Name Comet Mines, Inc. Minerals
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $190,000 Government Participation: 50 % Amount, $95,000

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,979.01	39,110.91	41,089.92			
Supervision	300.00	9,237.31	9,537.31			
Technical Services	40.00	219.29	259.29			
(3) Operating Mat'ls. and Supplies:						
Timber	45.50	4,274.02	4,319.52			
Explosives	238.04	2,557.25	2,795.29			
Pipe	80.03	872.97	953.00			
Track	14.52	886.90	901.42			
Power	66.09	1,078.62	1,144.71			
Misc.Tools & Supplies	524.09	5,880.42	6,404.51			
(4) Operating Equipment:						
Rental	315.00	2,565.00	2,880.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	18.18	983.65	1,001.83			
Sampling and Analysis	28.00	120.45	148.45			
Payroll Taxes	12.49	1,042.57	1,055.06			
Liability Insurance	104.15	2,952.26	3,056.41			
Pick-up Transp.	96.20	1,355.61	1,451.81			
Whse.Acctg.Gen.Exp.	289.60	5,485.29	5,774.89			
(8) Contingencies (specify):						
TOTALS	4,150.90	78,622.52	82,773.42			

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

Date 10/29/53 *Payee Comet Mines, Inc.

Per [signature] Title Treasurer

*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:

$2075.45

Signature Lloyd H. Sjolander
(Authorized Certifying Officer) Certifying Officer

Date NOV 16 1953 Vou. No. 6-Emca-24

(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-E295 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Date Nov. 5, 1953.

A. C. Johnson Region III.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title ~~DMEA Field Team~~ Executive Officer Date November 9, 1953

H. C. Miller Region XII

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-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS NOV 9 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

Month of September 1953 Docket No. DMEA 2309 Contract No. UM-E 295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	4150.90	139.7	22,080.53	739.5	29.86		
Crosscutting	Ft.			2,896.35	56.0	51.72		
Raising	Ft.			45,239.26	381.1	118.71		
Shafts	Ft.			905.19	6.0	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Pump Station Excavation & Work Prep. to Raising	Cu.Ft.			11,652.09	64.56	1.80		
TOTAL DISTRIBUTED COSTS		4150.90		82,773.42				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4150.90		82,773.42				

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 10/29/53 Operator Comet Mines, Inc.

Per [signature] Title Treasurer

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

COMBINED METALS REDUCTION COMPANY

Defense Minerals Administration
RECEIVED
OCT 9 1953

Comet Mines, Inc. Operations Report, September, 1953

October 9, 1953

Paul Gemmill, Vice President, Comet Mines, Inc.

A. R. Durk, Mine Supt.

Dear Paul:

Operations at the Comet Mine during September, 1953, consisted of development work approved by the Defense Minerals Exploration Administration under project No. 2309.

Drifting on the Comet vein was continued on the 465' level, drifting both NE and SW. Advance was 70.8' in the northeast heading and 68.9' in the southwest heading, making a total of 139.7' for the month.

Characteristics of the vein remained about the same as exposed in the total advance to date. In the NE drift the vein widened from about a foot in width to over 3 feet in width and pinched again near the face. Very little mineralization was encountered, but small showings of Pb and Zn sulphides plus pyrite was apparent at different spots along the advance. The quartz vein remained an average of 5 ft. or more in width in the SW heading with small showings of copper sulphides and oxides at different spots along the advance. At one place where the vein seemed to split an oxidized section assayed .23 gold.

Assays of cut samples listed on the accompanying maps were as follows:

Heading	Sample No.	Length Cut	Au	Ag	Pb	Zn	MO_3	Cu
NE	101542	3.4'	Tr	Tr	.4	.5	Tr	
NE	101550	2.0'	.04	.24	.4	.6	Tr	
SW	101544	3.0'	.08	1.22	1.0	.3	Tr	2.0
SW	101547	2.0'	.23	1.77	.7	1.8	Tr	

Further break-down of the ~~item~~ item "Miscellaneous tools and supplies" appearing on the Operator's Monthly Report and Voucher is as follows:

Drill Steel	$ 322.38
Small Tools	8.35
Telephone, lights and signals	3.91
Ventillation	186.88
Sanitation	2.37
TOTAL	$ 524.09

FORM 25

COMBINED METALS REDUCTION COMPANY

RECEIVED
NOV 23 1953

Break-down of the item "Repairs to Equipment" is as follows:

Hoist	$ 2.38
Drills	6.55
Mucking Machines	9.25
TOTAL	$ 18.18

In October, drifting on the 465' level was continued as usual in both the Southwest and Northeast headings until the 9th when it was decided that further exploration was impossible at the time and advance was stopped.

Yours truly

Robert R. Burk
Mine Superintendent

COPY

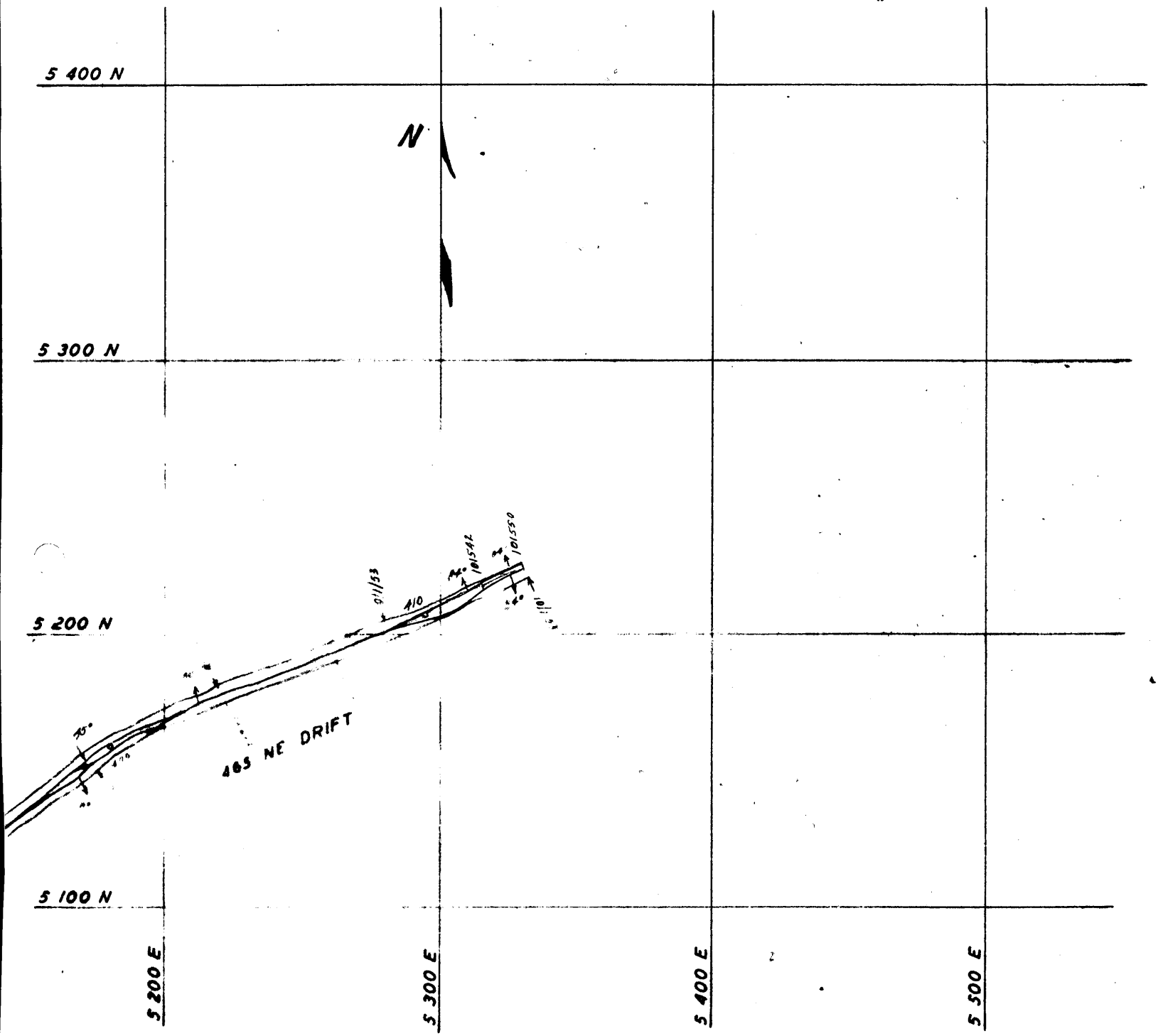
FORM 25

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED
PIOCHE, NEVADA
EXPLORATION PROJECT

SEPT 10 19 53
MADE BY RRD
TRACED BY
CHECKED BY
SCALE 1" = 50'



A

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED
PIOCHE, NEVADA
EXPLORATION PROJECT

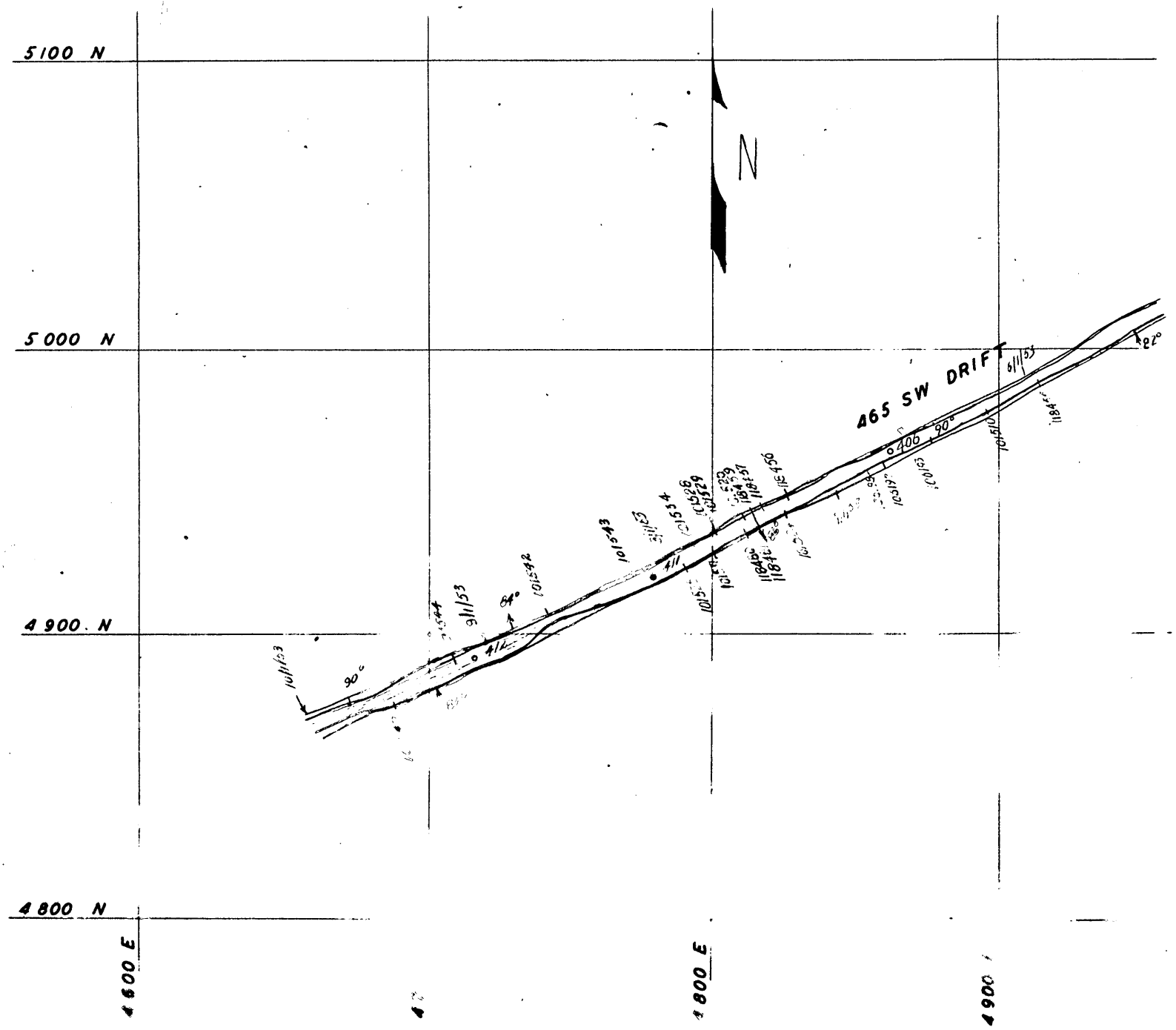
JULY 30 19 53

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 50'

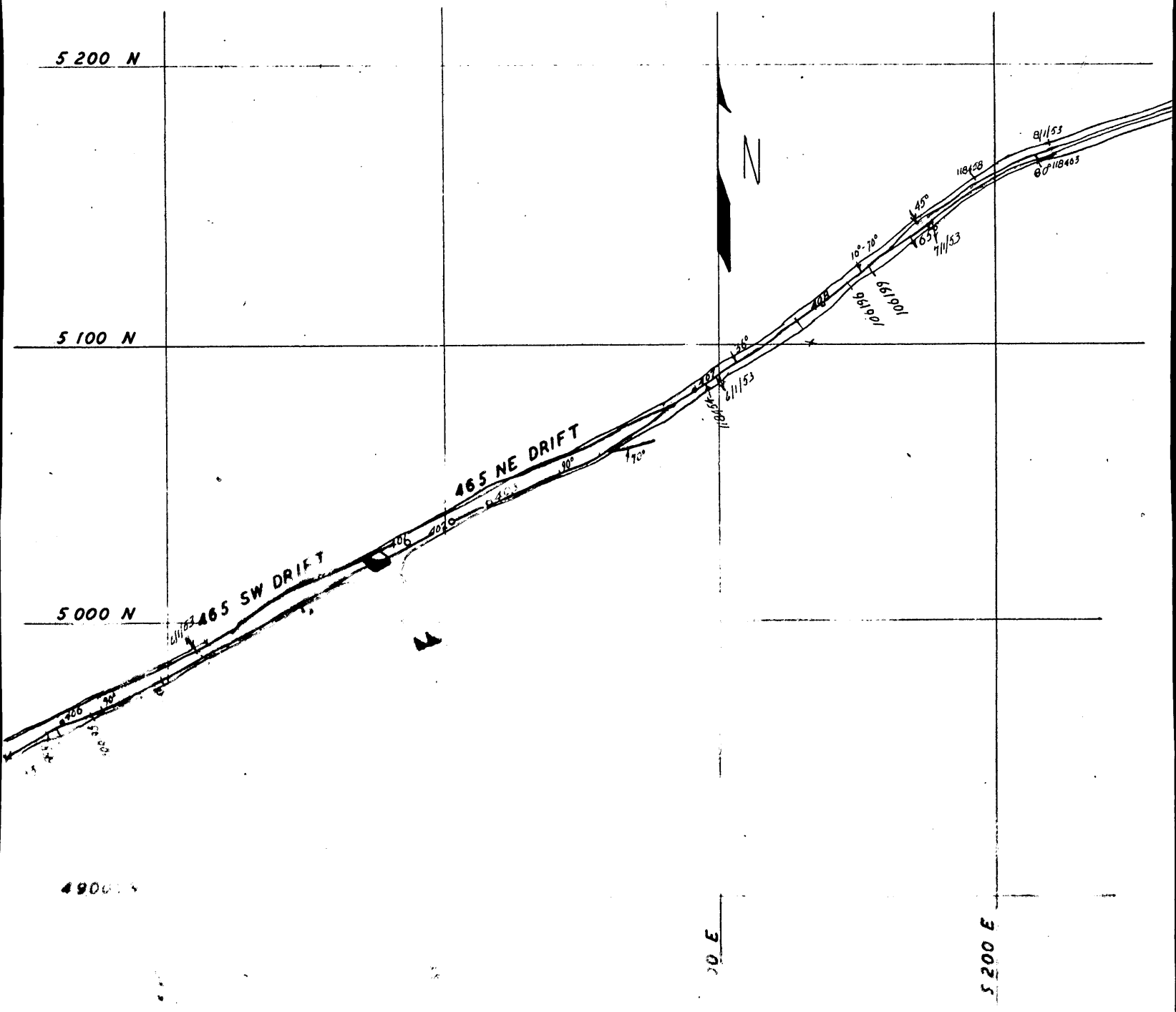


REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED
PIOCHE, NEVADA
EXPLORATION PROJECT

MAY 9 19 53
MADE BY ESM
TRACED BY
CHECKED BY
SCALE 1" = 50'



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

ACCOUNTS OCT 14 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 2309 Contract No. Idm 8 295
Operator's Name COMST MINES INC Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2,025.49	37,085.42	39,110.91			
Supervision	300.00	8,937.31	9,237.31			
Technical Services		219.29	219.29			
(3) Operating Mat'ls. and Supplies:						
Timber	35.17	4,238.85	4,274.02			
Explosives	374.95	2,182.30	2,557.25			
Pipe	46.95	826.02	872.97			
Track	20.22	866.68	886.90			
Power	65.28	1,013.34	1,078.62			
Misc. Tools & Supp.	550.92	5,329.50	5,880.42			
(4) Operating Equipment:	305.00	2,260.00	2,565.00			
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	14.99	968.66	983.65			
Sampling and Analysis	21.00	99.45	120.45			
Payroll Taxes	36.02	1,006.55	1,042.57			
Liability Insurance	106.31	2,845.95	2,952.26			
Pickup Transportation	96.75	1,258.86	1,355.61			
Misc. Ac ct'g & Gen.	337.65	5,147.64	5,485.29			
(8) Contingencies (specify): To adjust total of Government Participation in accordance with Interim Audit 9-14-53				.02		
TOTALS	4,336.70	74,285.82	78,622.52	4336.68		

Betty
11/4/53 - J.W. Acc.

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

Date September 30, 1953 *Payee COMST MINES INC

Per [signature] Title Treasurer

*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:

$ 2168.34

Signature Floyd H. Sjolander
Authorized Certifying Officer
(Authorized Certifying Officer)

Date Vou. No. SF-DMEA-22

(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-E295 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Date Oct. 12, 1953

A. C. Johnson Region III

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Executive Officer

Signature H. C. Miller Title DMEA Field Team Date October 13, 1953

H. C. Miller Region III

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR

ACCOUNTS OCT 14 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1953 Docket No. DMEA 2309 Contract No. Idm E 295
Operator's Name COMET MINES INC Minerals lead-zinc
Address P. O. Box 150, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft	4336.70	134.1	17,929.63	599.8	29.89		
Crosscutting	Ft			2,896.35	56.0	51.72		
Raising	Ft			45,239.26	381.1	118.71		
Shafts	Ft			905.19	6.0	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Station Excavation &Work Prep. to Raising	Cu Ft.			11,652.09	64.56	1.80		
TOTAL DISTRIBUTED COSTS		4336.70		78,622.52				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		4336.70		78,622.52				

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 September 30, 1953 Operator COMET MINES INC.

Per [signature] Title Treasurer

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

COMBINED METALS REDUCTION COMPANY

Comet Mines Inc. Operations Report, August, 1953

September 10, 1953

Paul Gemmill, Vice President, Comet Mines, Inc.

R. R. Durk, Mine Supt.

Operations at the Comet Mine during August, 1953, consisted of development work approved by the Defense Minerals Exploration Administration under Project No. 2309.

Drifting on the Comet vein was continued in both the 465 NE drift and the 465 SW drift, advancing 63.5' in the NE and 70.6' in the SW, or a total of 134.1' for the month of August.

In the NE drift the vein continued to be narrow, varying in width from a few inches to about 1½ ft. The vein material consisted of barren quartz with occasional small showings of Sphalerite. In the SW drift the vein persisted in a width of 5' to 6' throughout most of the advance. Here again the vein material was predominantly quartz. Zinc, Lead, and Copper sulphides appeared at several places but in relatively small amounts. Very little sampling was done due to the apparent barrenness of the vein. Assays of cut samples listed on the accompanying maps were as follows:

Heading	Sample No.	Length Cut	Au	Ag	Pb	Zn	MO3	Cu
NE	101541	0.8'	.02	.90	.5	.8	Tr	—
SW	101542	3.4'	Tr	Tr	.4	.5	Tr	—
SW	101543	3.0'	.03	1.27	.8	.3	Tr	.3

Further break-down of the item "Miscellaneous tools and supplies" appearing on the Operators monthly report and voucher is as follows:

Development Supplies	$ 19.54
Drill Steel	298.30
Small Tools	5.17
Oils & Greases	167.48
Telephone, lights & signals	1.73
Ventilation	58.22
Sanitation	.48
Total	$ 550.92

Break-down of the item "Repairs to equipment" is as follows:

Repairs to equipment:

FORM 25

COMBINED METALS REDUCTION COMPANY

SHEET 2 DATE September 10, 1953 TO Paul Gemmill, Vice Pres., Comet Mines, Inc.

Hoist	$ 1.32
Drills	8.75
Compressors	4.36
Mucking Machine	.56
Total	$14.99

Total Supplies $ 565.91

During September, drifting on the vein will be continued, advancing both the NE and SW headings on the 465 level.

Yours truly,

R. R. Durk
Mine Supt.

RRD/dw

COPY

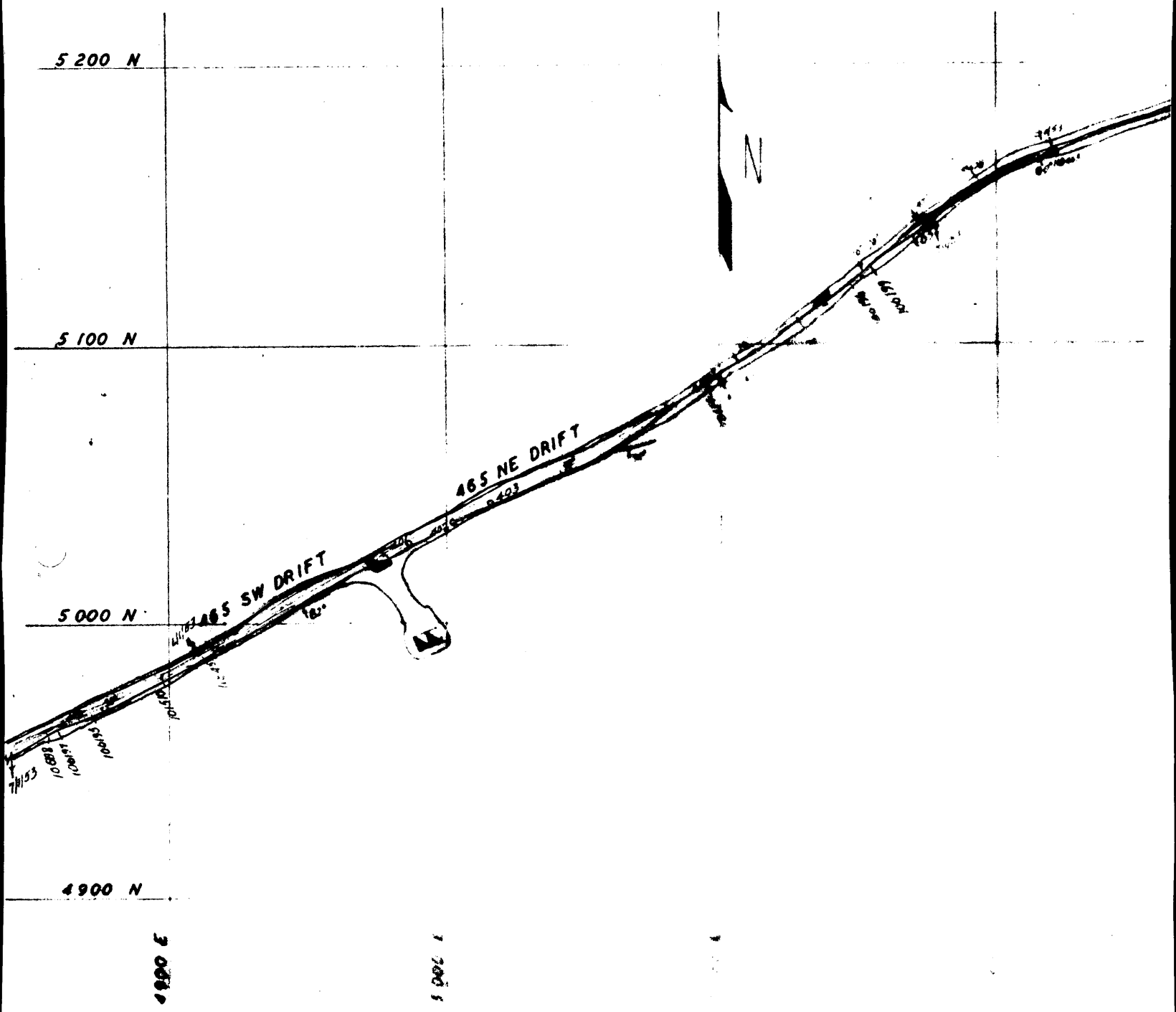
FORM 23

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

MAY 9 19 53
MADE BY ESM
TRACED BY
CHECKED BY
SCALE 1" = 50'



COMBINED METALS REDUCTION

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

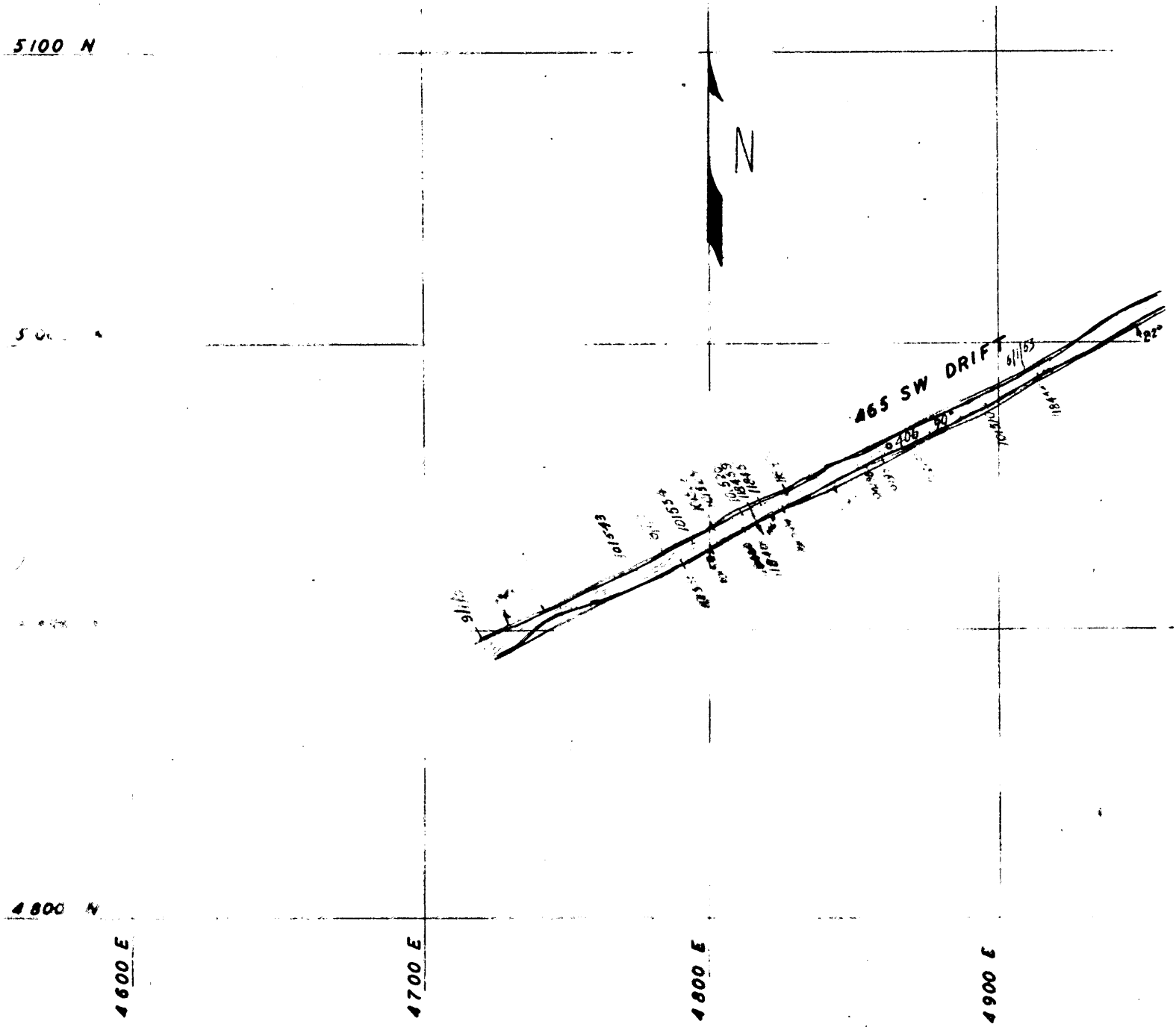
JULY 30 1953

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 50'



A

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

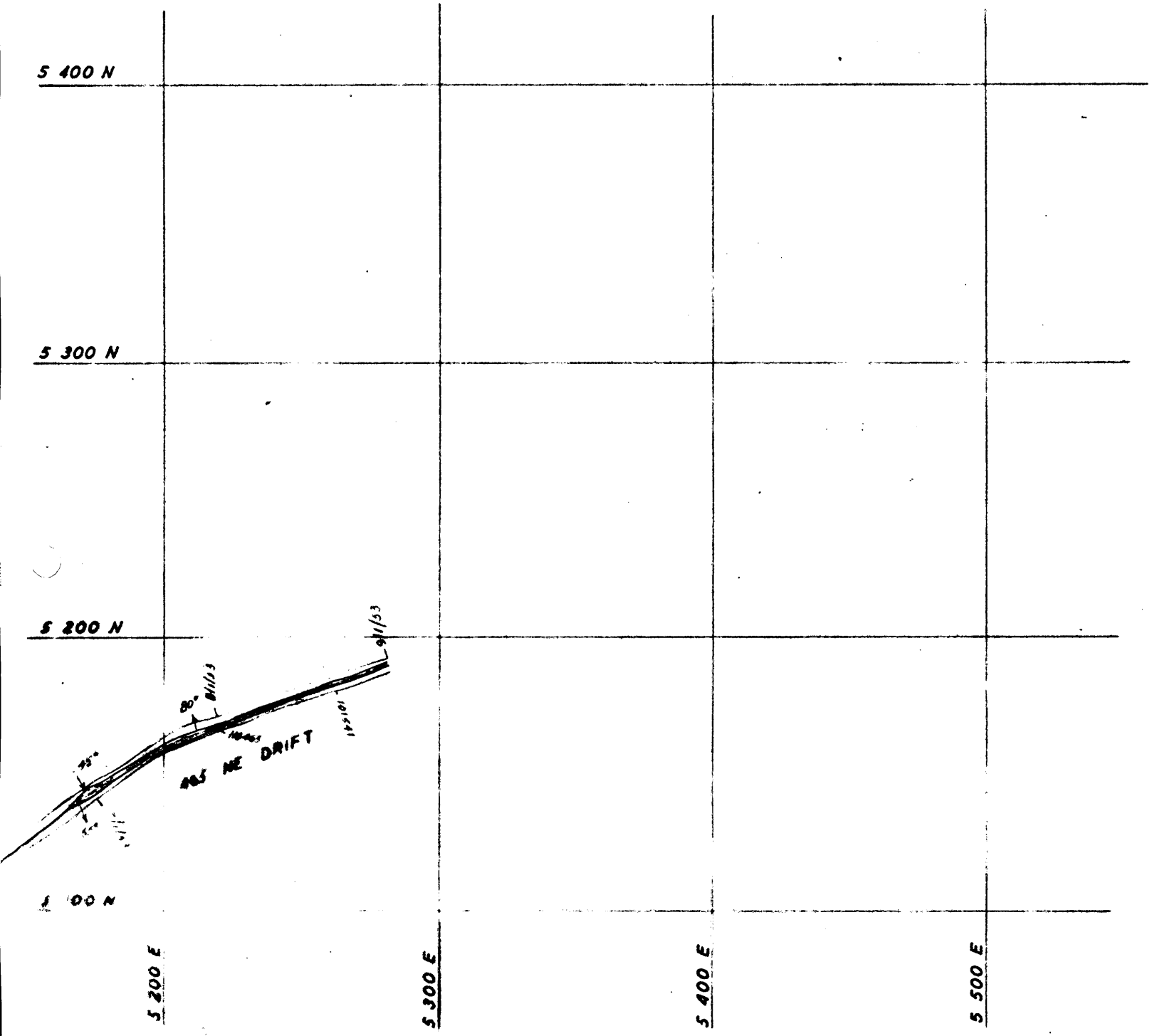
SEPT 10 19 53

MADE BY RRD

TRACED BY

CHECKED BY

SCALE 1" = 50'



DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 17 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: August 12, 1953

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 2309

Contract Idm-E 295

Commodity Lead and Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry

Dated July 31, 1953

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

E. H. Bailey, USGS (With one copy of report)

INTERIM REPORT

Docket No.: DMEA-2309 (Lead and Zinc) July 31, 1953

Name and address of operator: Comet Mines, Inc.,
Pioche, Nev.

Name and location of property: Comet Mine
Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY

The Comet Mine was visited on July 14, 1953 for the purpose of inspecting the progress of the work being performed under the exploration contract. During the inspection of the mine and additional conferences in the office of the applicant, the examining engineer was accompanied by Mr. E. S. McIntyre, mine superintendent.

Since the last inspection on May 21, 1953, the operator has been engaged in advancing the drift in a northeast and southwest direction, on the 465 level. The work is being carried on in the alternate headings. The mining crew consists of :

1 superintendent, part time
1 hoistman
2 miners
4

The two miners are working on a contract basis and receive $14.50 per foot of drift advance. In this operation, the contractors furnish the powder, drill, blast and muck out and install track, air and water pipes. With the exception of powder, the applicant furnishes all other supplies, equipment and hoisting.

An average heading round consists of 24 drill holes and an advance of from 4.5 feet to 5.0 feet. The average time cycle is reported to be

6 hours drilling and/or mucking and 2 hours laying track and pipelines. Drilling is done by using Jackleg machines and 7/8-inch coromant drill steel having a car bit with tungsten carbide insert. While the ground is hard, drilling time has not been excessive and the breakage appears to be good.

Mucking is accomplished by the use of a Gardner-Denver No. 9 mucking machine, operated by air. At the present time, tramming to the shaft is done by hand. However, the operator advised that a locomotive would be provided in the near future.

The contract allows, in part, 1100 feet of drifting on the 465-foot level and it is evident that the applicant will require an extension of time. This matter has been called to the attention of the applicant and also covered in the interim report dated June 2, 1953.

The reduction in personnel and the elimination of the mine foreman job has apparently been caused by the low market price of lead and zinc which made it necessary for the applicant to temporarily reduce operating expenses.

To date the drift has not required the installation of mine timbers and as long as this condition continues the drilling contractors should make reasonably good progress. The drifts have averaged approximately 5.5 feet wide by 6.5 feet to 7.0 feet high

STATEMENT OF WORK COMPLETED

Northeast drift:	Started May 23, 1953 Advance from station 407	108 feet
Southwest drift:	Started May 22, 1953 Advance from station 406	106 feet
Total advance both drifts		214 feet = 24.15% of drifting

Remaining to be completed on the 465-foot level = 886 feet of drifting.

All of the exploration work has been done in a satisfactory manner and has followed good mining practice.

Adequate ventilation, for present operations, has been supplied by the installation of a blower installed over the old winze on the 465 level and having about 20 feet of 12-inch discharge pipe extending into the winze above the level.

RECOMMENDATIONS

Since beginning operations under the contract and until the date of starting the work of advancing the exploration drifting on the 465 level, a full time and experienced mine foreman had been employed which materially helped to expedite progress. At the time of the inspection on July 14, 1953, the examining engineer was informed that the services of the mine foreman had been dispensed with in the interests of economy.

Upon the basis of maintaining maximum progress, and safety, the examining engineer considers that it was a mistake to eliminate the mine foreman position. This condition is particularly noticeable now, in that the two headings are over 400 feet apart and with only one man working in each heading, neither man could hear calls for help in case of an accident. The Nevada State Mine Laws, 1947 Edition, states: (Page 10, Paragraph 4219, Section 12) "This act shall not apply to any mine which is worked exclusively by the owners, or lessees of the owners, and where no men are employed working in said mine for wages." (Page 14, Paragraph 4242, Section 36) "Solitary employment

regulated-- That no man be allowed to work in a stope at such a distance from another that his cries, in case of need, cannot be heard." Therefore, even though the two miners are working on a contract basis and may not come under the Nevada State Mining Law, the examining engineer recommends the employment of a full time, experienced mine foreman in order to expedite progress and in the interests of safety.

Mr. E. S. McIntyre, mine superintendent, has many other duties to perform for the Combined Metals Reduction Company and for that reason is only able to spend part of his time at the Comet Mine.

GEOLOGY

The drifts have followed the quartz vein which has cut the bedding of the Prospect Mountain quartzite.

Northeast drift:

The quartz vein has been irregular in width and in the face had widened to a maximum of 3.5 feet of white to brownish quartz containing small streaks to small pods of sulphide minerals. The gray quartzite alongside the vein is composed of rather thin layers, has a general North-South strike and dips at a very low angle in an easterly direction.

Southwest drift:

The face of this drift shows the quartz vein to be approximately 4.0 feet in width. Oxidation appeared to be nearly complete and only a small amount of sulphide minerals were observed.

SAMPLING

Sample No.	%, Pb	%, Zn	%, Cu	%, WO_3	Description
BM-617	0.2	*0.2	0.15	--	Width 4.0 feet. Across quartz vein in face of Southwest drift.
BM-618	0.2	0.2	1.55	--	Width 4.6 feet. Across back of Southwest drift. 42.6 feet east of face. Mostly iron stained quartz showing some blue copper stain.
BM-619	*0.2	15.5	0.25	*0.01	Width 1.6 feet. East wall at back of Southwest drift. 27 feet east of face. Quartz carrying sphalerite.
BM-620	2.1	7.3	0.35	--	Width 1.0 feet. Face of Northeast drift. Near floor of drift and east side of face. White quartz carries high grade streak of sulphides.
BM-621	*0.2	0.4	0.06	--	Width 3.5 feet. Quartz vein in face of Northeast drift. 3 feet above BM-620. Less sulphides in this section of the vein.
BM-622	*0.2	3.9	0.04	--	Width 18 inches. Across back of Northeast drift. Station 408 plus 10 feet.
BM-623	*0.2	2.8	0.20	--	Width 0.8 feet. Across back of Northeast drift. Station 408 plus 32 feet. White quartz with heavy sulphides.
BM-624	11.2	8.9	0.30	--	Chip sample of approximately 3.5 tons of sorted ore on dump. The greater portion of this ore came from the Northeast drift. Contains heavy sulphides.

* - Less than

FINANCIAL STATUS OF CONTRACT

Contract amount			$190,000.00
Government participation @ 50% = $95,000.00			
Expenditures for:			
June 1952	$3,730.75		
July "	5,857.16		
Aug. "	7,656.52		
Sept. "	5,708.72		
Oct. "	5,822.88		
Nov. "	6,941.81		
Dec. "	8,640.64		
Jan. 1953	4,954.70		
Feb. "	3,620.71		
Mar. "	4,856.79		
Apr. "	4,063.09		
May "	4,762.74		
June "	3,965.58		70,582.09
Unexpended Balance			$119,417.91

Contract dated: April 16, 1952
Contract period: 20 months
Expended time: 15 months
Unexpended time: 5 months

COMMENTS

The cost of drill steel remains high, amounting to approximately $1.30 per foot of drifting. Bit wear has been caused by the hardness and abrasive nature of the quartzite. Various other types and sizes of drill steel have been tried and found not to be as successful as the steel and bits presently in use.

Glenn G. Gentry
Mining Engineer

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

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

ACCOUNTS AUG 25 1953

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

Month of July, 1953 Docket No. DMEA 2309 Contract No. IDM-E 295 5

Operator's Name COMET MINES INCORPORATED Minerals Lead-Zinc

Address P. O. Box 150, Salt Lake City, Utah

Contract Amount, $ 190,000 Government Participation: 50 % Amount, $95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,807.34	35,278.08	37,085.42			
Supervision	300.00	8,637.31	8,937.31			
Technical Services		219.29	219.29			
(3) Operating Mat'ls. and Supplies:						
Timber	41.90	4,196.95	4,238.85			
Explosives	218.74	1,963.56	2,182.30			
Pipe	62.99	763.03	826.02			
Track		866.68	866.68			
Power	60.93	952.41	1,013.34			
Misc. tools, supplies,	398.12	4,931.38	5,329.50			
(4) Operating Equipment: drill steel						
Rental	245.00	2,015.00	2,260.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	12.60	956.06	968.66			
Sampling and Analysis	44.00	55.45	99.45			
Payroll Taxes	59.01	947.54	1,006.55			
Liability Insurance	96.31	2,749.64	2,845.95			
Pick-up transp.	98.39	1,160.47	1,258.86			
Whse, accounting Gen.	258.40	4,889.24	5,147.64			
(8) Contingencies (specify): Expense						
TOTALS	3,703.73	70,582.09	74,285.82			

Checked 9/24/53 J.W.A.

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

Date Aug. 14, 1953 COMET MINES INCORPORATED

ORIGINAL SIGNED BY O. F. BURTON

Per O. F. BURTON Title Treasurer

*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:

$ 1851 87

Signature Lloyd H. Sjolander
Authorized Certifying Officer
(Authorized Certifying Officer)

Date SEP 3 1953 Vou. No. SF-DMEA-10

(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-8295 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div., Region III Date August 21, 1953.

A. C. Johnson

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date August 24, 1953

H. C. Miller

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

ACCOUNTS AUG 25 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 3 Docket No. DMEA 2309 Contract No. IDM-E 295
Operator's Name COMET MINES INCORPORATED Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah

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Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Station Excavation & Work Preparation to Raising	cu.ft			11,652.09	64.56	1.80		
TOTAL DISTRIBUTED COSTS		3703.73		74,285.82				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3703.73		74,285.82				

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

Date Aug. 14, 1953 Operator COMET MINES INCORPORATED

ORIGINAL SIGNED BY

Per O. F. BURTON Title Treasurer

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.

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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

Comet Mines Inc. Operations Report July, 1953

August 5, 1953

Paul Gemmill, Vice Pres. Comet Mines Inc.

E. S. McIntyre, Sup't Comet Mines Inc.

Dear Paul:

Operations at the Comet Mine during July, 1953 consisted of development work approved by the Defense Minerals Exploration Administration. From July 6 to July 10th, inclusive - the crew was utilized to remove and salvage, air and water lines, electrical cable and ventilation pipe from the old winze. There costs are not included in operators monthly report and voucher prepared for the D.M.E.A.

Drifting was continued in the 465 northeast and southwest drifts advancing on the fissure. The northeast drift was advanced from 408 plus 46.0 feet to 408 plus 99.7 feet, a distance 53.7 feet. The southwest heading was advanced from 406 plus 23.5 feet to 406 plus 83.5 feet a distance of 60.0 feet resulting in a total drift advance of 113.7 feet for the month of July.

In the northeast drift the fissure continued to be two strands of quartz with quartzite and shale between them. The quartz contained some mineralization but no commercial ore was developed. By the end of the month the quartz had increased to a width of 2½ feet of quartz eliminating the horst of shale and quartzite between the two strands. In the southwest drift the fissure continued an average width of 5.5 to 6.0 feet, at 406 plus 52.0 feet to 406 plus 64.0 feet the fissure continued high grade copper ore, (malochite and chalcocite) averaging 1½ feet in width. Barren quartz followed the copper ore however, at the end of the month a seam of sphalerite occurred in the floor of the drift that appeared promising for future advance.

Assay returns of samples listed on the accompanying maps were as follows:

Heading	Sample No.	Length Cut	Au	Ag	Pb	Zn	WO_3	Cu
NE	118458	1.4	Tr	Tr	.6	.6	-	-
NE	101533	Test Hole	Tr	Tr	.7	.7	Tr	.05
NE	118463	2.0	Tr	.20	.8	1.0	-	-
SW	118456	5.5	.25	1.15	-	-	Tr	.02
SW	101524	5.0	.02	1.18	.5	.6	Tr	-
SW	101525	5.0	.03	1.27	.6	.9	Tr	-
SW	118457	4.5	.05	1.55	.8	.6	-	-
SW	101526	5.0	.05	4.25	.6	1.0	Nill	8.8
SW	118459	4.2	.01	.99	.7	.6	Nill	.1
SW	118460	1.4	.03	20.37	.3	.5	-	28.2
SW	118461	3.8	.01	.89	.3	.5	-	.3
SW	101528	2.	.03	3.87	.8	1.6		11.4

Heading	Sample No.	Length Cut	Au	Ag	Pb	Zn	WO_3	Cu
SW	101529	3.0'	.02	3.88	.6	1.5	-	12.9
SW	101531		.02	1.38	.7	.8	Tr	1.5
SW	101534		Tr	Tr	.6	.7	Tr	.1
SW	101535	6.'	.05	1.55	.7	3.0		
			Car Hoisted Samples					
SW	101527	8	.04	2.26				3.65
SW	101530	24	.02	1.98	1.1	-	-	3.0
SW	101532	23	.01	.89	.7	-	Tr	.95

Distribution of supplies for the operators monthly report and voucher are as follows:

Timber		$41.90
Explosives		218.74
Pipe		62.99
Miscellaneous tools and supplies		
Development supplies	$ 6.75	
Drill Steel	166.41	
Small tools	24.19	
Lights & Signals	32.17	
Ventilation	166.80	
Sanitation	1.80	
		398.12
Repairs:		
Hoist	12.43	
Compressor	.17	
		12.60
Total Supplies		$ 734.35

A Mancha hammer for underground haulage was received July 22, 1953 on a rental basis. July rental was proportioned on a daily basis as specified in the DMEA Contract.

During August 1953, drift advance will be continued on the 465 level advancing the northeast and southwest headings developing the fissure.

Yours truly

E. S. McIntyre

E. S. McIntyre

A.

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

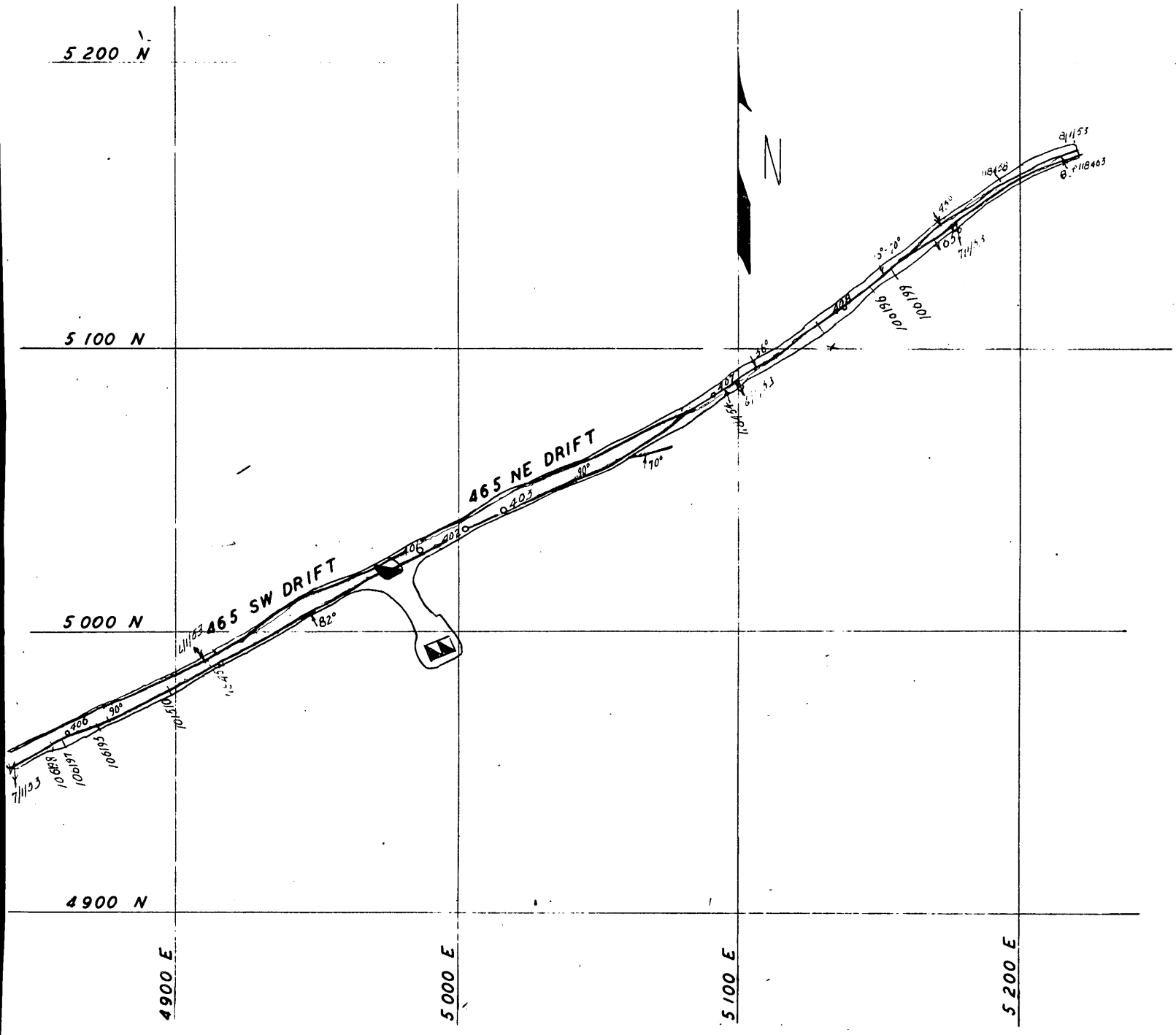
MAY 9 19 53

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 50'



A.

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

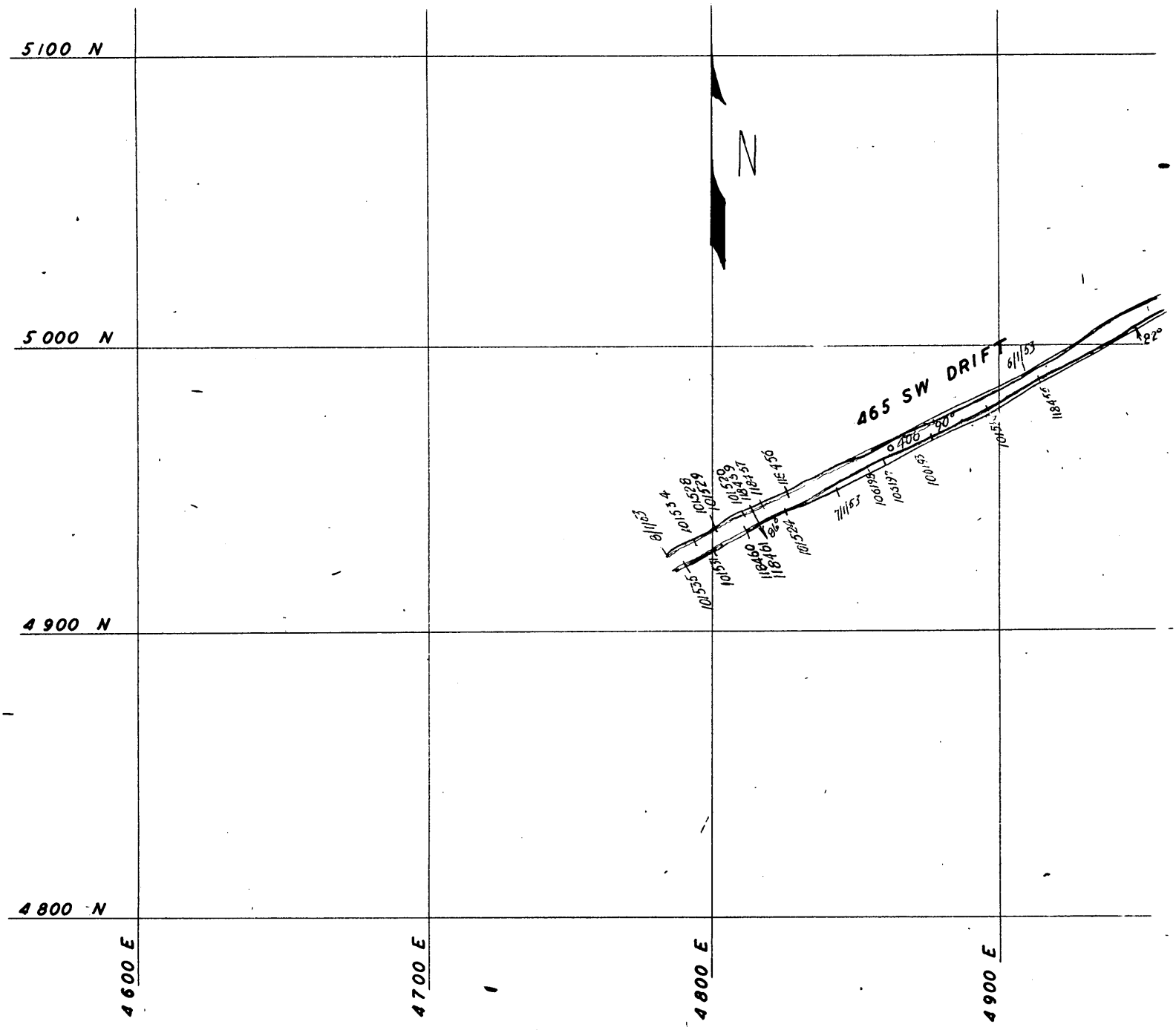
JULY 30 1953

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 50'



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

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

August 4, 1953

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Operators' Monthly Progress Reports - Forms MF-104 & 104A

Enclosed herewith are two copies of each of the subject reports received from the following Operators as listed below. These reports have been audited and passed to the Treasury for payment:

Contract No.	Operator	Report dated	Period covered
Idm-E207 DMEA-1040Y	W. F. Dunnigan	7/7/53	June 1953
Idm-E295 DMEA-2309	Comet Mines, Inc.	7/21/53	June 1953

H. C. MILLER
H. C. Miller
Executive Officer, DMEA Field Team
Region III

Attachments

Copy to: E. H. Bailey, USGS

Form [illegible] (Rev.) (April [illegible]52)

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 2309 Contract No. DME 295
Operator's Name COMET MINES INC. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						8/17/53. J.W.L.
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2,129.29	33,148.79	35,278.08			
Supervision	300.00	8,337.31	8,637.31			
Technical Services	20.00	199.29	219.29			
(3) Operating Mat'ls. and Supplies:						
Timber	39.97	4,156.98	4,196.95			
Explosives	291.65	1,671.91	1,963.56			
Pipe	76.56	686.47	763.03			
Track	27.06	839.62	866.68			
Power	71.07	881.34	952.41			
Misc.tools, supplies, drill steel	214.75	4,716.63	4,931.38			
(4) Operating Equipment:						
Rental	215.00	1,800.00	2,015.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	6.53	949.53	956.06			
Sampling and Analysis	49.45	6.00	55.45			
Payroll Taxes	68.58	878.96	947.54			
Liability Insurance	111.93	2,637.71	2,749.64			
Pick-up Transportation	67.07	1,093.40	1,160.47			
Whse Acc. Gen. Exp.	276.67	4,612.57	4,889.24			
(8) Contingencies (specify):						
TOTALS	3,965.58	66,616.51	70,582.09			

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

Date July 21, 1953 *Payee Comet Mines Inc.

ORIGINAL SIGNED BY O. E. BURTON

Per O. E. BURTON Title Treasurer

*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:

$ 1982.79

Signature (Authorized Certifying Officer)

Date AUG 3 [illegible] Vou. No. SF-DMEA-[illegible]

(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. [illegible] in accordance with the terms of the contract.

Signature R. C. Johnson Title [illegible] Date July 27, 1953

R. C. Johnson

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature N. C. Miller Title Executive Officer DMEA Field Team Region III Date July 20, 1953

N. C. Miller

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 DMEA-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 3 Docket No. DMEA 2309 Contract No. DME 295
Operator's Name Comet Mines Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	3965.58	156.00	9889.20	352.00	28.09		
Crosscutting	Ft.			2896.35	56.0	51.72		
Raising	Ft.			45239.26	381.1	118.71		
Shafts	Ft.			905.19	6.0	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Station Excavation & Work Preparation to Raising	cu.ft.			11652.09	64.56	1.80		
TOTAL DISTRIBUTED COSTS		3965.58	156.00	70582.09				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3965.58	156.00	70582.09				

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 21, 1953 Operator Comet Mines Inc.

ORIGINAL SIGNED BY
O. E. BURTON

Per O. E. BURTON Title Treasurer

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

Comet Mines Inc. Operations Report June 1953

July 8, 1953

Paul Gemmill, Vice. Pres. Comet Mines Inc.

E. S. McIntyre, Sup't Comet Mines Inc.

Dear Paul:

Operations at the Comet Mine during June 1953 consisted of development work approved by the Defense Minerals Exploration Administration.

The development accomplished was drifting on the fissure at the 465 level. The northeast heading was advanced from 402 plus 115.3 feet to ~~406~~ 408 plus 46.0 feet, a distance of 77.7 feet. The southwest heading was advaned from 402 plus 103.9 feet to 406 plus 23.5 feet, a distance of 78.3 feet, resulting in a total drift advance of 156.0 feet for the month of June 1953. In the 465 northeast heading the fissure narrowed to just a seam of shale gouge and FeOx, this condition prevailed for approximately 40 feet advance, the width then started increasing containing white quartz with sphalerite and pyrite disseminated throughout. On the footwall side of the fissure occured a 4 inch seam of sphalerite. In the 465 southwest heading the fissure remained a average width of six feet but only mineralized for a width of 1.0 to 1.5 feet the remainder being quartz. In the mineralized section copper minerals were predominate, changing to sphalerite then barren quartz with continued advance.

Assays of samples listed on the accompanying map were as follows:

Cut Samples

Heading	Sample No.	Length Cut	Au	Ag	Pb	Zn	WO_3	Cu
NE	X		.07	.93	.4	4.0	-	-
NE	106176	2.0	.05	1.65	.6	2.0	-	-
NE	106199	-	.01	.49	.6	.6	Tr	
SW	101510	-	.05	2.95	1.2	2.0	-	.25
Sw	106195	6.0	.05	1.35	.7	2.0	-	.3
SW	106197	.5	.03	3.17	-	-	-	21.3
Sw	106198	2.0	.02	1.08	.5	13.0	-	-

Hoisted Samples

Heading	Sample No.	No. Cars	Au	Ag	Pb	Zn	Cu
SW	101509	20	.03	1.37	.6	.8	
Sw	101511	23	.03	1.07	.5	.9	
Sw	106513	24	.08	1.12	.8	.8	.1

Heading	Sample No.	No. Cars	Au	Ag	Pb	Zn	Cu
SW	101514	21	.04	.96	.6	.8	.1
Sw	101516	22	.03	1.17	.5	.6	.1
Sw	101517	23	.03	1.27	.6	.6	.2
SW	101518	20	.03	1.67	.6	.6	.85
SW	101519	23	.02	.68	.6	.6	.4
NE	101512	24	.05	1.65	.4	-	-

Car samples were omitted in the northeast heading while the drift was advancing through a non-mineralized section of the fissure.

Distribution of supplies for the operators monthly report and voucher are as follows:

Timber		$39.97
Explosives		291.65
Pipe		76.56
Track		27.06
Miscellaneous Tools and Supplies -		
Development supplies	.89	
Drill steel	202.58	
Small tools	.63	
Oils & Greases	7.42	
Electrical supplies	1.37	
Sanitation	1.86	214.75
Repairs		
Mine Cars	6.34	
Hoist	.19	
		6.53
Sampling (sacks)		2.45
Total supplies		$658.97

During July, 1953 - drift advance will be continued on the 465 level advancing the northeast and southwest headings.

Yours truly,

E. S. McIntyre

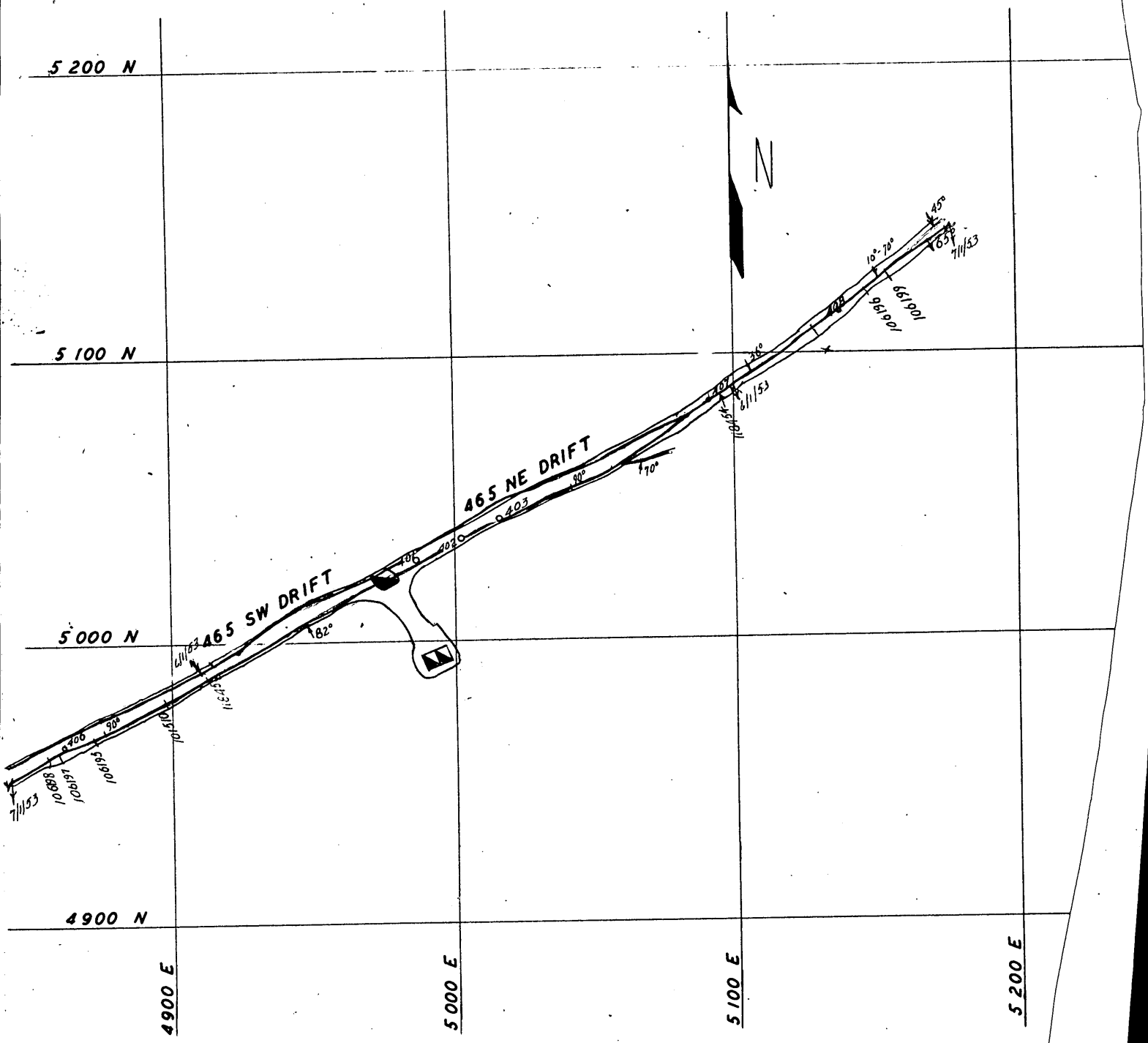
E. S. McIntyre

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

MAY 9
MADE BY ESM
TRACED BY
CHECKED BY
SCALE 1" = 50'



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: June 12, 1953

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet-Mines, Inc., Pioche, Nevada

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry, C. M. Tschanz and R. M. Smith

Dated June 2, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 16 1953

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

E. H. Bailey, USGS (With one copy of report)

George Mavor

INTERIM REPORT

Docket No.: DMEA-2309 (lead-zinc) June 2, 1953

Name and address of operator: Comet Mines, Inc.,
Pioche, Nevada

Name and location of property: Comet Mine,
Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY AND CONCLUSIONS

The Comet mine was visited on May 4, 1953 by R. M. Smith and C. M. Tschanz of the U.S. Geological Survey and on May 21, 1953 by Glenn G. Gentry of the U.S. Bureau of Mines, for the purpose of inspecting the work performed under the exploration contract. During the inspections, the geologists and examining engineer were accompanied by Mr. E. S. McIntyre, mine superintendent.

Since the last inspection on April 1, the operators have completed all shaft work to the 550-foot level and have provided adequate compressed air and water lines to that level and through the 465 level crosscut.

Pursuant to Amendment No. 1, which approves drifting both northeast and southwest on the 465 level, the operators have completed the necessary trimming in the crosscut and the 189 feet of the old drift. 30-pound mine rail (24-inch gage track) has also been installed. Actual drifting operations were started in the southwest drift on May 22 and in the northeast drift on May 25.

The unexpended contract time amounting to eight months will be insufficient to complete the remaining exploration work which consists

of 3200 feet of drifting and 110 feet of shaft.

The operators should therefore apply for an extension of time well in advance of their requirements.

The mine personnel now consist of:

1 Superintendent, part time
1 Mine foreman
1 Hoistman
1 Top man
2 Miners
6

The operators expect to alternate drilling, blasting and mucking between the two headings and in that manner hope to secure increased progress. Drilling will be accomplished by means of jackleg drills, using 7/8-inch Swedish steel, carbits with tungsten carbide insert. The miners expect to pull a 5-foot round with 17 to 18 drill holes. The time cycle is not definitely determined, however, it is expected to be about as follows:

2	hours	drilling
1/2	"	loading and blasting
1/2	"	clearing smoke and gas from drift
4	"	mucking
1	"	track, pipelines, misc. work

Mucking will be done by a Gardner-Denver Co., No. 9, mucking machine which has been rented for the purpose. The rental of this machine started on May 2. The mine cars will be trammed by hand until the locomotive is received.

The drift size is approximately 5.5 feet wide by 7 feet high and is expected to follow the mineralized fissure.

During the past month it was necessary to replace the electric motor which drives the hoist and for this purpose the operators

secured a 40 horsepower electric motor from the adjacent Pan American mine which is also owned by the Combined Metals Reduction Co.

RECOMMENDATIONS

No recommendations are being made at this time as drifting operations have not started.

STATEMENT OF WORK COMPLETED

Total shaft	394.6	feet
Installation of 4-inch air line in shaft . .	380	"
Installation of 1-inch water " " " . .	380	"
Rehabilitation (old drift) 465-foot level . .	63	"

All of the above work has been done in a satisfactory manner and has followed good mining practice.

GEOLOGY

The Comet mine is entirely in the Prospect Mountain quartzite of lower Cambrian age which strikes north and dips 5°-12° E.

The ore bodies are shoots in the Comet quartz vein which strikes north, has an irregular dip near vertical, and ranges in width from a fraction of an inch to 12 feet. Where mined the ore shoots have an average width of about 5 feet; one shoot was mined for a length of 1300 feet from the surface to the 262-foot level, and one other shoot on the 550-foot level was mined 100 feet along the strike and 40 feet down the dip.

All the stopes are in segments of the vein that dip steeply northwest; elsewhere in the mine the vein dips steeply southeast. The segments of the vein that dip northwest appear to rake northeast about 15° or about parallel to the bedding in the quartzite, and to striae on the vein walls. In some stopes the widest parts of the vein rake steeply

west. Although the quartz is not everywhere mineralized, the widest parts of the vein generally contain the best ore.

The ore on the 160-foot level, except in the East stope, is mostly oxidized; the ore minerals are principally cerusite and anglesite with less than 1 percent accompanying zinc. Sulfide ore in the East stope and on the lower levels consists of sphalerite, galena and small amounts of chalcopyrite, wolframite and scheelite. It commonly contains as much as 20 percent zinc. Average grade of ore is as follows:

	Oz. Au	Oz. Ag	%, Pb	%, Zn	%, Cu	%, WO_3
Oxide	0.25	10.0	10.0	1.0	0.3	Tr
Sulfide	0.2	10.0	4.0	15.0	-	0.3

The exploration program as amended provides for drifting on the 465-foot level where the chance of revealing sulfide ore - with its greater zinc content - is better.

SAMPLING

Some sulfide mineralization was observed in the quartz vein in the face of the South drift Sample BM-552 was taken across a width of 4.3 feet, with the following results:

%, Pb	%, Zn	%, Cu	%, WO_3	Ounces/ton Au	Ounces/ton Ag
0.5	0.4	0.20	*0.02	0.04	1.35

Twelve feet south of the face of the North drift, a vein of white quartz carrying heavy zinc-lead sulfides appeared to be following the east dipping bedding. Sample BM-553 was taken across a width of 2.4

feet, with the following results:

%, Pb	%, Zn	%, Cu	%, WO_3	Ounces/ton Au	Ounces/ton Ag
2.7	10.2	0.30	*0.02	0.03	2.10

* less than.

OPERATORS MONTHLY REPORT

Contract amount			$190,000.00
Government participation: 50% = $95,000.00			
Expenditures for:	June, 1952	3,730.75	
	July "	5,857.16	
	Aug. "	7,656.52	
	Sept. "	5,708.72	
	Oct. "	5,822.88	
	Nov. "	6,941.81	
	Dec. "	8,640.64	
	Jan. 1953	4,954.70	
	Feb. "	3,620.71	
	Mar. "	4,856.79	
	April "	4,063.09	61,853.77
		Unexpended balance	$128,146.23

Contract dated: April 16, 1952
" period: 20 months
Expended time: 12 months
Unexpended " : 8 months

COMMENTS

During the extension of the northeast and southwest drifts on the 465 level, the operators expect to take a grab sample from each car of broken rock and to make up a composite sample which will represent each round blasted. The assay results of these samples are to be incorporated with the applicants monthly reports.

The examining engineer considers this method of bulk sampling will be satisfactory, however it will also be supplemented by channel sampling across the vein by Government engineers.

Glenn G. Gentry
Mining Engineer

R. M. Smith,
Geologist

C. M. Tschanz
Geologist

Form MF-4.04 (Rev.)
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS JUN 30 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May 1953 Docket No. DMEA 2309 Contract No. I dme 295
Operator's Name COMET MINES INC. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

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:						~~[illegible]~~ Betty 7/22/53 [illegible]
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,863.17	31,285.62	33,148.79			
Supervision	566.67	7,770.64	8,337.31			
Technical Services		199.29	199.29			
(3) Operating Mat'ls. and Supplies:						
Timber	224.66	3,932.32	4,156.98			
Explosives	186.27	1,485.64	1,671.91			
Pipe	32.27	654.20	686.47			
Track	809.62	30.00	839.62			
Power	72.11	809.23	881.34			
Misc. Tools,& Supp.	158.74	4,557.89	4,716.63			
(4) Operating Equipment:	215.00	1,585.00	1,800.00			
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	30.49	919.04	949.53			
Sampling and Analysis	6.00		6.00			
Payroll Taxes	68.04	810.92	878.96			
Liability Insurance	111.04	2,526.67	2,637.71			
Pick-up Transportation	86.38	1,007.02	1,093.40			
Warehse,acct. Expense	332.28	4,280.29	4,612.57			
(8) Contingencies (specify):						
TOTALS	4,762.74	61,853.77	66,616.51			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 17, 1953 Payee Comet Mines Inc.
Per [signature] Title Treasurer

*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:

$ 2381.37

Signature Lloyd H. Sjolander
Authorized Certifying Officer
(Authorized Certifying Officer)

Date JUL 13 1953 Vou. No. SF-DMEA-1

(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. [illegible] in accordance with the terms of the contract.

Signature [illegible] Title [illegible] Date [illegible]

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature N. C. Miller Title Executive Officer DMEA Field Team Region III Date June 25, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

ACCOUNTS JUN 30 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1953 Docket No. DMEA 2309 Contract No. Idme 295
Operator's Name Comet Mines Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah

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	Ft	4762.74	133.0	5,923.62	196.0	30.22		
Crosscutting	Ft			2,896.35	56.0	51.72		
Raising	Ft			45,239.26	381.1	118.71		
Shafts	Ft			905.19	6.0	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Station Excavation & Work Preparation to Raising	CuFt			11,652.09	6456	1.80		
TOTAL DISTRIBUTED COSTS		4762.74		66,616.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4762.74		66,616.51				

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 17, 1953 Operator Comet Mines Inc.

Per [signature] Title Treasurer

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

Comet Mines Inc. Operations Report May 1953

June 1, 1953

Paul Gemmill, Vice Pres. Comet Mines Inc.

E. S. McIntyre, Supt. Comet Mines Inc.

Dear Paul:

Operations at the Comet Mine during May, 1953 consisted of development work approved by the Defense Minerals Exploration Administration.

Excavation of 465 station and 465 northeast and south west drifts were completed and the broken rock was transported to the surface waste dump. Track and air and water lines were installed to the face of each heading. By May 22, 1953 preparatory work was completed and drifting was started on the 465 level by advancing both the northeast and southeast drifts. June 1, 1953 the north east drift was advanced to survey station 402 plus 115.3 feet and the southwest drift to survey station 402 plus 103.9 feet. Drift advance for May 1953, including excavation completed as drift equivalent was 133.0 ft.

Drift advance was along the Comet fissure northeast and southwest of the shaft. The northeast section of the fissure decreased in width to 2.0 feet, of well mineralized quartz. In the southwest drift the width of the fissure remained approximately 5 feet in width but was sparsely mineralized.

Assays of samples listed on the accompanying map were as follows:

Heading	Sample No.	Length Cut	Au	Ag	Pb	Zn
N.E.	118454	2.0' Horz.	.14	12.66	7.2	6.8
S.W.	1184555	5.0' "	.10	1.30	.6	1.7

Distribution of supplies for the operators monthly report and voucher are as follows:

Timber	$ 224.66
Explosives	186.27
Pipe	32.27
Track	809.62

Miscellaneous Tools & Supplies:		
Development Supplies	$ 74.11	
Drill Steel	36.34	
Drill Hose	2.08	
Small Tools	3.96	
Oil & Grease	37.37	
Lights & Signals	4.88	
		158.74
Repairs:		
Change Room (Water Heater)	16.11	
Mucking Machine	14.31	
Hoist	.07	
		30.49
Total Supplies		$ 1,442.05

May 25, 1953 the Comet operations were reduced to a three man crew with part time superintendent. The crew consists of 1 special miner, 1 miner and 1 hoistman. To date excellent results have been obtained by completing a round each shift.

During June 1953 it is proposed to continue advance on the fissure to the northeast and southwest by driving the 465 level drifts.

Yours truly,

E. S. McIntyre

E. S. McIntyre, Supt.
Of Comet Mines Inc.

ESM:sw

A

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

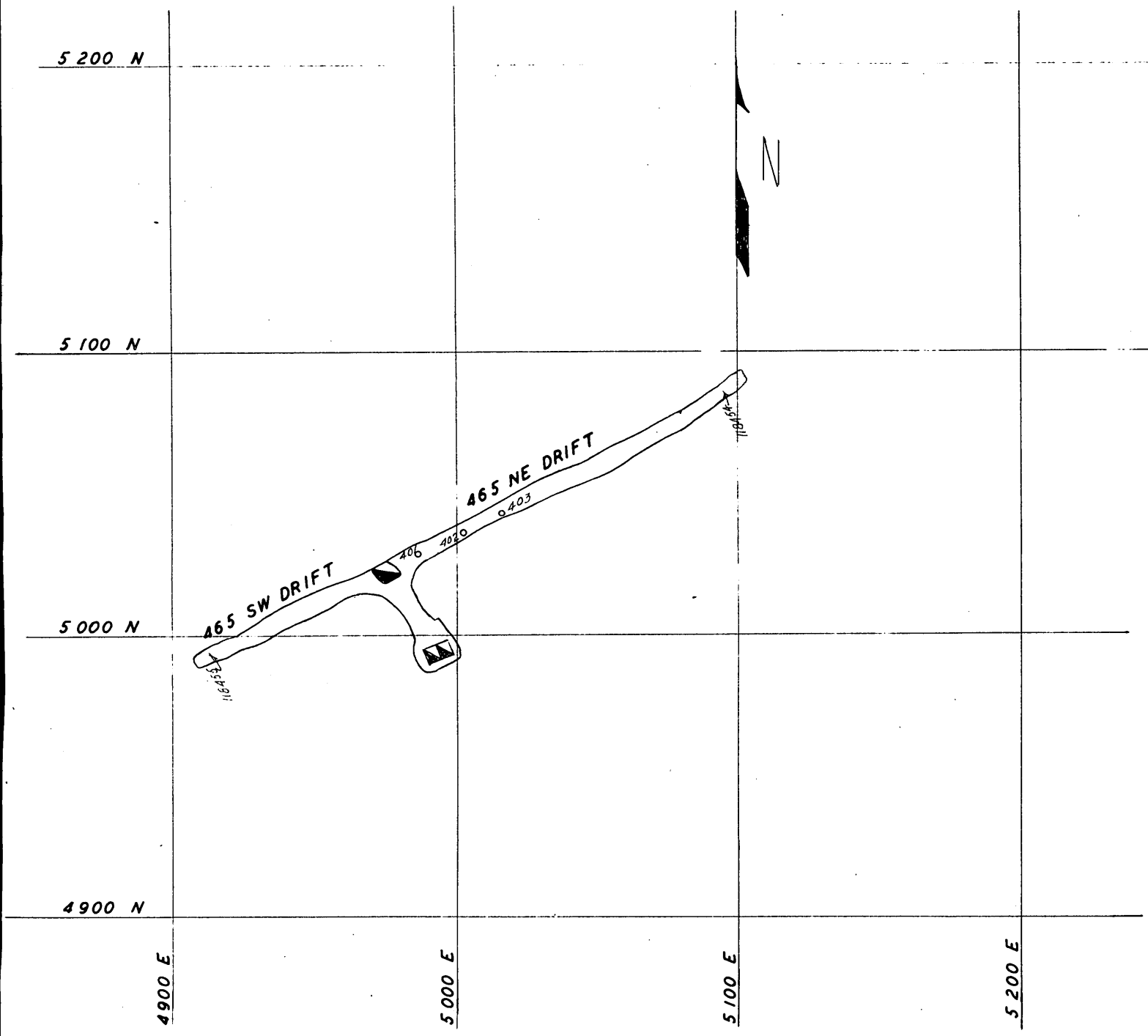
MAY 9 19 53

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 50'



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

Office of
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

June 12, 1953

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Operators' Monthly Reports - Forms MF-104 & MF-104A

Enclosed herewith are two copies of each of the subject reports received from the following operators as listed below. These reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report dated	Period covered
Idm-R295 DMEA-2309	Comet Mines, Inc.	5/21/53	April 1953
Idm-R369 DMEA-2478	New Idria Mining & Chemical Company	6/3/53	April 1953
Idm-R442 DMEA-2257	Walker Corporation	6/1/53	May 1953
Idm-466 DMEA-2470	Nevada Uranium Company	6/2/53	May 1953

K. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: H. H. Bailey, USGS

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

ACCOUNTS JUN - 9 1953

Month of April 1953 Docket No. DMEA 2309 Contract No. DME 295
Operator's Name Comet Mines, Incorporated Minerals Lead-Zinc
Address P.O. Box 150, Salt Lake City, Utah
Contract Amount, $ 190,000.00 Government Participation: 50% Amount, $ 95,000.00

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:						J.W.G. 6/18/53
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,986.46	29,299.16	31,285.62			
Supervision	719.60	7,051.04	7,770.64			
Technical Services		199.29	199.29			
(3) Operating Mat'ls. and Supplies:						
Timber	143.51	3,788.81	3,932.32			
Explosives		1,485.64	1,485.64			
Pipe	22.93	631.27	654.20			
Track		30.00	30.00			
Power	66.83	742.40	809.23			
Misc. Tools, Supplies Drill Steel	377.04	4,180.85	4,557.89			
(4) Operating Equipment:						
Rental	145.00	1,440.00	1,585.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	41.74	877.30	919.04			
~~Sampling and Analysis~~						
Payroll Taxes	75.77	735.15	810.92			
Liability Insurance	123.67	2,403.00	2,526.67			
Pick-Up Trans.	77.07	929.95	1,007.02			
Warehouse Acc. Gen. Exp.	283.47	3,996.82	4,280.29			
(8) Contingencies (specify):						
TOTALS	4,063.09	57,790.68	61,853.77			

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

Date 5/21/53 *Payee Comet Mines, Inc.

ORIGINAL SIGNED BY

Per O. E. DUTTON Title Treasurer

*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:

$ 2031.55

Lloyd H. Sjolander
Authorized Certifying Officer

Signature (Authorized Certifying Officer)

Date JUN 12 1953 Vou. No. SF-DM Can 44

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature [illegible] Title Chief, Engineering, Region XII Date June 3, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer DMEA Field Team Region XII Date June 8, 1953

H. C. Miller

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

ACCOUNTS JUN - 9 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 2309 Contract No. IDMS 295
Operator's Name Comet Mines Incorporated Minerals Lead-Zinc
Address P.O. Box 150 Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	1,160.88	63	1,160.88	63	18.43		
Crosscutting	Ft.			2,896.35	56.0	51.72		
~~Raising~~ Shafts	Ft.			905.19	6.0	150.71		
~~Shafts~~ Raising	Ft.	2,902.21		45,239.26	381.1	118.71		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Work Prep. to Raising & Station Excavation	Cu.Ft.			11,652.09	6456	1.80		
TOTAL DISTRIBUTED COSTS		4,063.09		61,853.77				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4,063.09		61,853.77				

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 5/21/53 Operator Comet Mines Incorporated

ORIGINAL SIGNED BY
Per O. E. BURTON Title Treasurer

REMARKS Raise cost clearing hoisting compartment and installing manway. Drift costs rehabilitating present drifts.

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

Comet Mines Inc. Operations Report April, 1953

May 6, 1953

Paul Gemmill, Vice President, Comet Mines Inc.

E. S. McIntyre, Supt. Comet Mines Inc.

Dear Paul:

Operations at the Comet Mine during April 1953 consisted of development work approved by the Defense Minerals Exploration Administration.

The 550 Raise was converted to a shaft with manway and hoisting compartment. The shaft sets were installed from Sill plus 64.5 to Sill plus 84.5 completing the timber. The broken rock in the hoisting compartment was transported to the surface waste dump and chute and lagging were removed. The manway was completed by installing platforms, air, water lines and changing the ladders to a sloping position. This completed the raise and crosscuts listed as items 3 and 4 of Exhibit A in the DMEA contract. Approval of the amendment to drift on the 465 level instead of the 385 level was received from the DMEA and work was started to excavate the 465 station and present drifts to accomodate drifting equipment.

During the month repairs were completed to the surface hoist and water supply pump. The hoist motor in use failed and it was necessary to replace it. The Pan American hoist motor was removed and installed on the surface hoist, it is a 40 HP motor and should be advantageous for hoisting from the lower levels.

Distribution of supplies for the operators monthly report and voucher are as follows:

Timber		$ 143.51
Pipe		22.93
Miscellaneous tools & supplies:		
Drill Steel	$307.59	
Tools	5.64	
Lights & Signals	4.11	
Power Supply	42.31	
Development Supplies	17.39	
		377.04
Repairs:		
Hoist Motor	16.47	
Nails	.92	
Slusher	.77	
Water Pump	23.58	
		41.74
Total		585.22

During May 1953 it is proposed to: Complete enlarging and rehabilitating the 189 feet of drift on the 465 level, in preparation of drifting and to start drifting on the fissure. Preparatory work will necessitate removing broken rock excavated while enlarging drifts and laying track to east and west headings.

Yours truly,

E. S. McIntyre

E. S. McIntyre
Supt. of Comet Mines Inc.

A

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

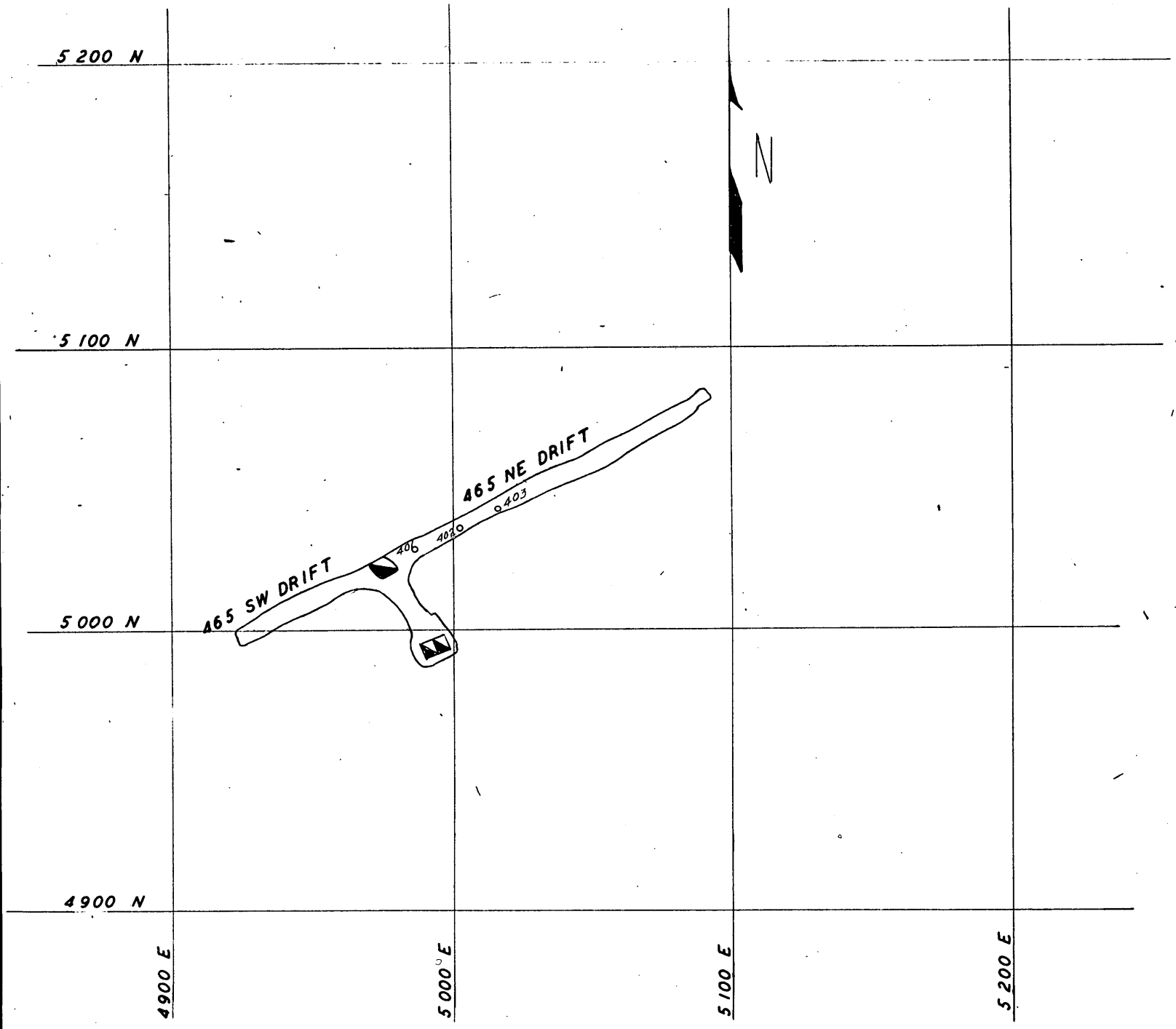
MAY 9 19 53

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 50'



A

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

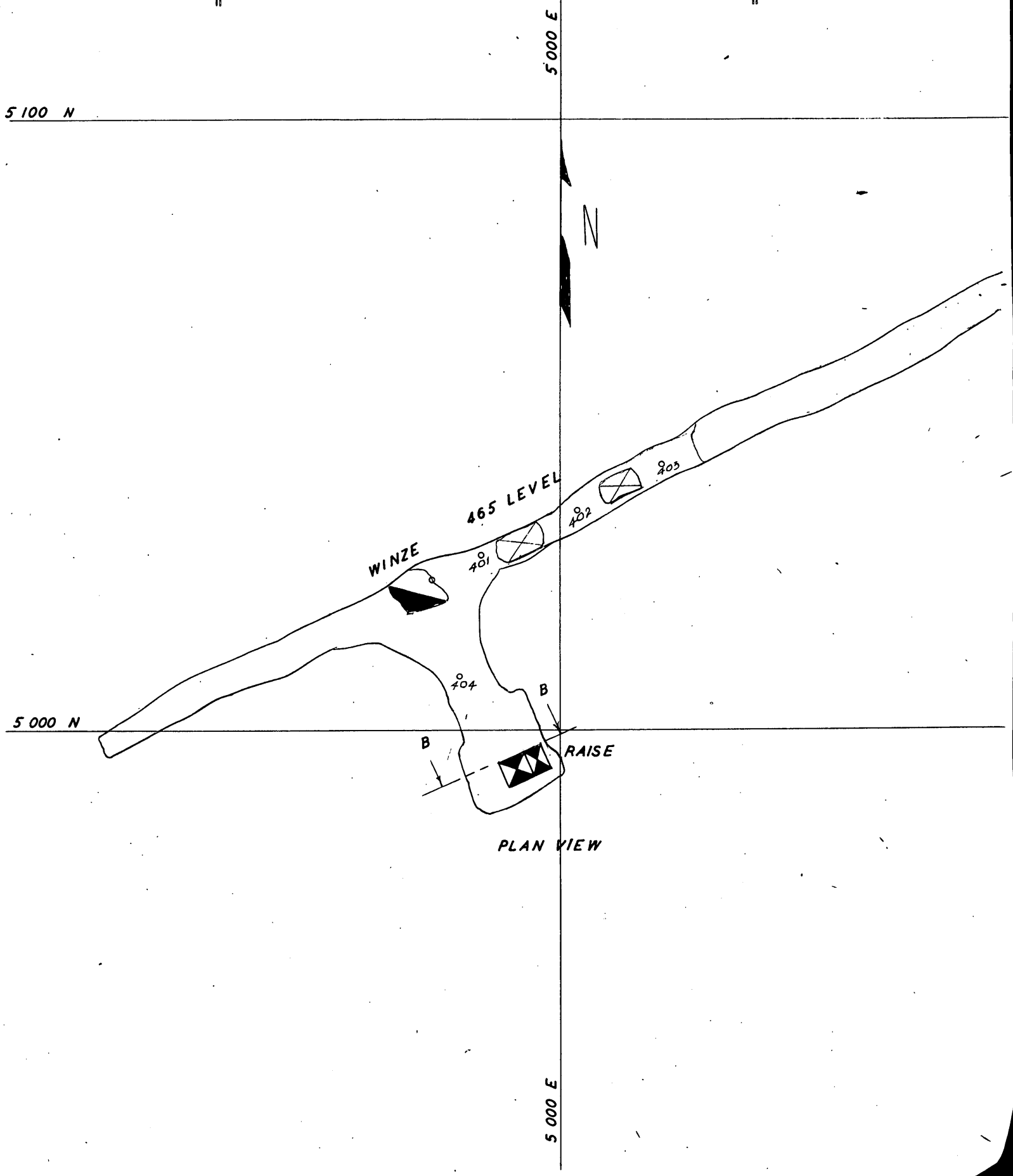
SEPT. 20 19 52

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



PLAN VIEW

A

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

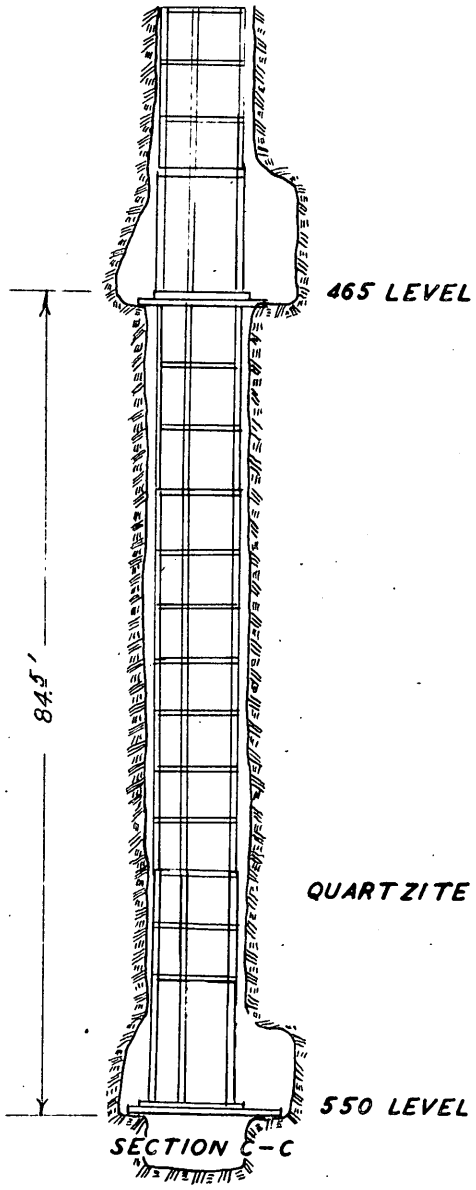
DEC 12 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



SECTION C-C

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 4 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: April 29, 1953

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc., Pioche, Nevada

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated April 7, 1953

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

E. H. Bailey, USGS (With one copy of report)

George Mavor

INTERIM REPORT

Docket No.: DMEA-2309 (lead-zinc) April 7, 1953

Name and address of operator: Comet Mines, Inc., Pioche, Nev.

Name and location of property: Comet Mine, Lincoln County, Nev.

Contract No.: Idm-E295

SUMMARY AND CONCLUSIONS

The Comet mine was visited on April 1, 1953 for the purpose of inspecting the work being performed under the exploration contract.

The shaft raise excavation between the 550 level and the 465-level was completed at noon on April 1, 1953. Additional work in the shaft between these levels will consist of the installation of:

4 sets of shaft timbers and necessary cage guide timbers
Installation of 4 joints of 4-inch diameter compressed air pipe
Stripping the old 3-inch lagging from the shaft
Installation of new ladders in the manway
Installation of cage landing chairs on the 550 level

The above work is estimated to be completed on or about April 10.

The work in the shaft has been done in an excellent manner and the shaft alignment was correct. During the inspection, the examining engineer was accompanied by E. S. McIntyre, superintendent of operations and James Hulse, mine foreman.

Below the 550 level, the sump has been excavated to a depth of 6 feet and one additional round has been drilled and blasted but not mucked out. The sump therefore should have a total depth of 10 feet.

The mining crew has ramained the same, namely:

1 Superintendent, part time
1 Mine Foreman
1 Hoistman, Surface
1 Hoistman, Underground
3 Miners
7

The shaft operations have been slow due to several factors:

1. The hardness of the quartzite and the number of drill holes required to break a round increased the drilling time.

2. Drill steel rod breakage and the apparent impossibility to obtain a drill bit that would stand up under the excessive abrasive nature of the rock.

3. Time required to install the necessary shaft timbers.

4. Extra time and manpower required in transferring broken rock, materials and supplies through the old winze.

5. The desire of the applicant to operate on a one-shift basis, due to decreased financial requirements and the difficulty in obtaining satisfactory workmen.

Under date of April 2, 1953, the applicant has by letter addressed to the Washington, D. C. office of Defense Minerals Exploration Administration, requested permission to drift on the vein both northeast and southwest of the shaft on the 465 level instead of 385 foot level as required in exhibit "A" attached to the contract. The examining engineer recommends this change be approved for the following reasons:

1. To take advantage of the 189 feet of drift excavation previously completed by former operators on the 465 level, which is estimated will result in a saving of moneys to the Government and should also be of value in speeding up the work of drifting inasmuch as the crews should be able to alternate their work between the two

headings.

2. The geological targets should be reached in the same manner and the information obtained is considered to be of greater value because of the increased depth. On the northeast side of the shaft, the time required and the lessened expense of drifting into the sulphide ore zone would be of material advantage. The northeast drift should also be of increased value in exploration of the east stope ore body encountered in the upper levels.

Should the above change be approved, then it will be necessary for the applicant to do a moderate amount of excavation in both the present northeast and southwest drifts by trimming the corners at the old winze and widening the bottom of the drifts, where necessary, to allow entry and use of both a mucking machine and battery locomotive.

Drilling in the extension of the drifts is proposed to be accomplished by means of a Jackleg drill installation and the use of 7/8-inch drill steel with carbide insert bits. The applicant has proposed this method of drilling in order to eliminate the necessity of purchasing or renting a drill jumbo machine.

RECOMMENDATIONS

Alternate the drill and mucking crews in the two headings in an effort to increase footage and to reduce the extension of time which will probably be required to complete the contract.

STATEMENT OF WORK COMPLETED

Total shaft raise completed and measured:

310-foot level to the 168-foot level	140.1	feet
465 " " " " 310 " "	170.0	"
550 " " " " 465 " "	84.5	"
Total	394.6	

Allowable maximum of raising under item 3, exhibit "A" . .	390.0 feet
Raise footage in excess of contract	4.6 "

The work of installing 3 sets of shaft timbers just below the 465-foot level will complete all of the timber sets required in the shaft.

Shaft excavation below the 550-foot level:

Allowed under item 5	110.0 feet
Partially completed	10.0 "
Remaining to be completed	100.0 "

GEOLOGY

The quartzite material and the dip and strike of the bedding planes, in the shaft excavation, have remained practically uniform.

SAMPLING

No mineralization has been observed or encountered in the quartzite and therefore no samples were taken.

OPERATORS MONTHLY REPORT

Contract amount $190,000.00
Government participation - 50% = $95,000.00

Expenditures for:	June 1952 . . .	$3,730.75	
	July " . . .	5,857.16	
	Aug. " . . .	7,656.52	
	Sept. " . . .	5,708.72	
	Oct. " . . .	5,822.88	
	Nov. " . . .	6,941.81	
	Dec. " . . .	8,640.64	
	Jan. 1953 . . .	4,954.70	
	Feb. " . . .	3,620.71	52,933.89
		Unexpended	$137,066.11

Report for March 1953 not received.

Contract dated: April 16, 1952
Contract period: 20 months
Expended time: 11 months
Balance: 9 months

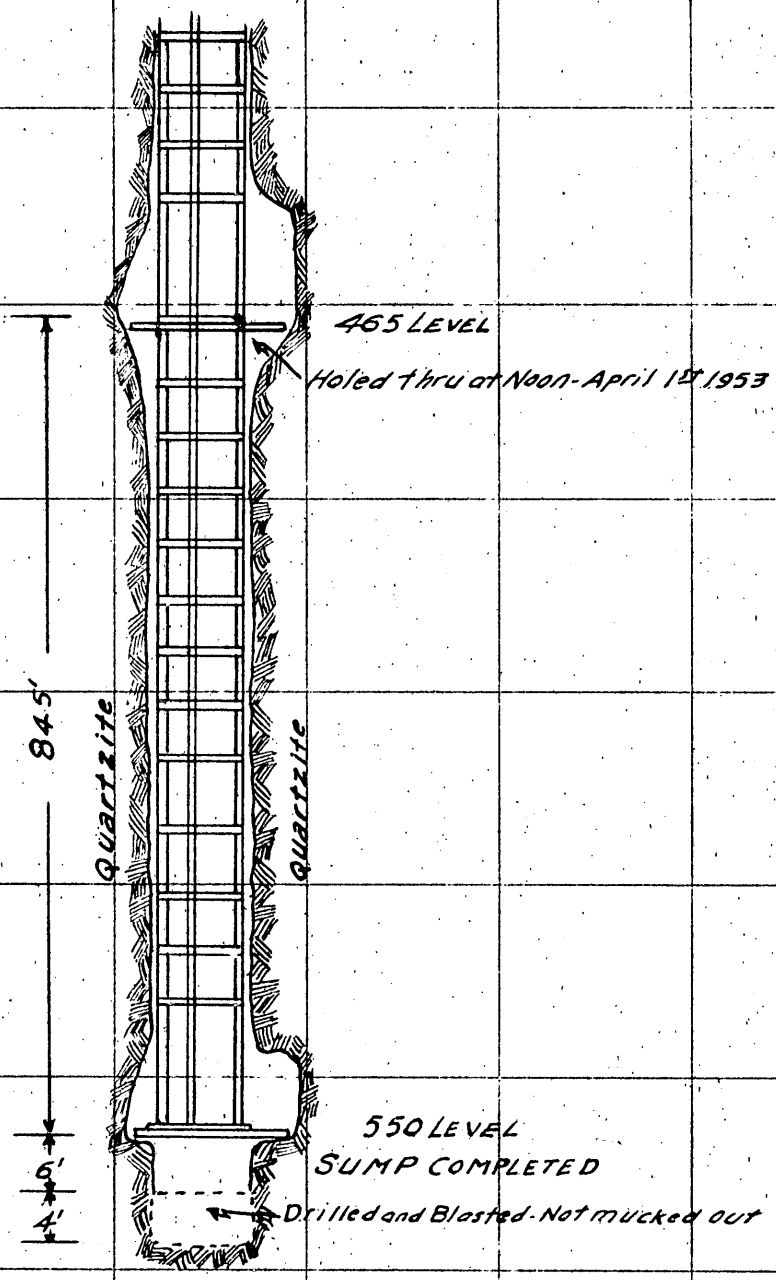
COMMENTS

The mining company are probably considering the mining of commercial ore and/or high grade ore which may be encountered in extending the drifts on the 465-foot level. Therefore, should mining operations be conducted, there will be the question of properly allocating the costs of:

Rental of equipment and use of manpower and supplies that would normally be intended solely for the exploration project.

Due to the usually unavoidable interference between the two crews and their operations, it is suggested that any actual mining of ores be conducted on a night shift basis only, and that an accurate record be maintained by the mining company as to the operation hours of the equipment, all costs and tonnage and grade of ore produced.

Glenn G. Gentry
Mining Engineer

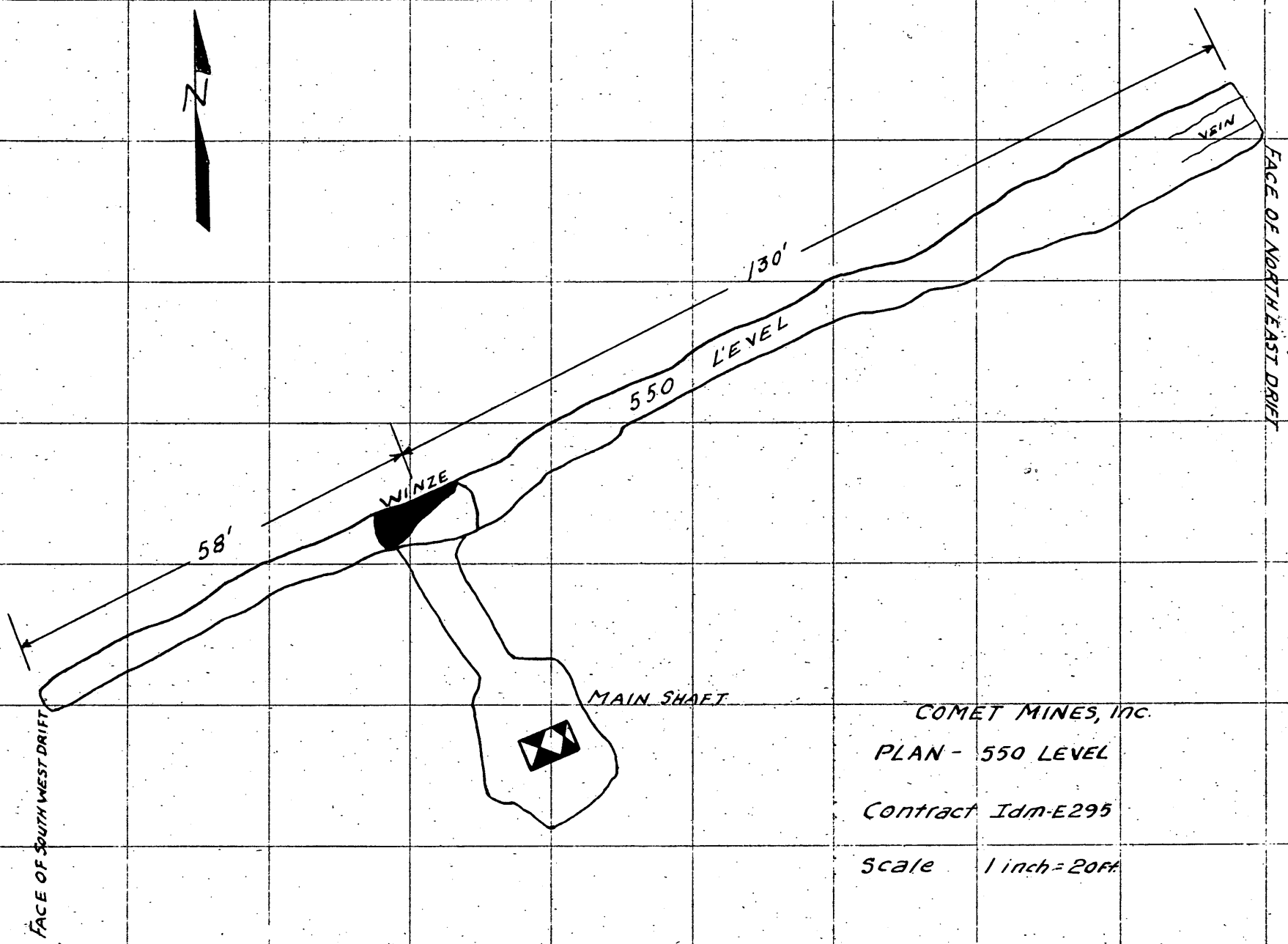


COMET MINES, Inc.

Shaft Section Completed From 550 Level to Surface

Contract Idm-E 295

Scale 1 inch = 20 Ft.



COMET MINES, INC.

PLAN - 550 LEVEL

Contract Idm-E295

Scale 1 inch = 20 ft.

"ALBANENE" No. 1050M K&E CO., N.Y.
REG. U.S. PAT. OFF.

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

DEPARTMENT OF THE INTERIOR Defense Minerals Exploration Administration RECEIVED MAY 22 1953

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

ACCOUNTS MAY 5 1953

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

Month of March, 1953 Docket No. DMEA 2309 Contract No. IDME 295

Operator's Name Comet Mines, Incorporated Minerals Lead-Zinc

Address P.O. Box 150, Salt Lake City, Utah

Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2,277.21	27,021.95	29,299.16			
Supervision	719.71	6,331.33	7,051.04			
Technical Services		199.29	199.29			
(3) Operating Mat'ls. and Supplies:						
Timber	349.34	3,439.47	3,788.81			
Explosives	181.60	1,304.04	1,485.64			
Pipe	99.16	532.11	631.27			
Track		30.00	30.00			
Power	104.30	638.10	742.40			
Mine Tools Supplies Drill Steel	310.55	3,870.30	4,180.85			
(4) Operating Equipment:						
Rental	145.00	1,295.00	1,440.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	4.00	873.30	877.30			
Sampling and Analysis						
Payroll Taxes	83.91	651.24	735.15			
Liability Insurance	149.85	2,253.15	2,403.00			
Pick-up Transportation	93.31	836.64	929.95			
Whse. Accounting Gen. Exp.	338.85	3,657.97	3,996.82			
(8) Contingencies (specify):						
TOTALS	4,856.79	52,933.89	57,790.68			

Gilbert Greenwald Betty J.W.G. 5/28/53

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

Date 4/25/53 *Payee Comet Mines, Inc.

Per ORIGINAL SIGNED O. F. BURTON Title Treasurer

*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:

$ 2428 40

Lloyd H. Sjolander
Authorized Certifying Officer

Signature (Authorized Certifying Officer)

Date MAY 13 1953 Vou. No. SF-DMEA-42

(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. [illegible] in accordance with the terms of the contract.

Signature R. C. Johnson Title Geol. [illegible] Date April 30, 1953.

R. C. Johnson

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. C. Miller Title Executive Officer DMEA Field Team Region III Date May 4, 1953

H. C. Miller

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.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
MAY 1953
9:10
SAN FRANCISCO, CALIFORNIA

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

ACCOUNTS MAY 5 1953
Defense Minerals Administration
RECEIVED
MAY 22 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1953 Docket No. DMEA 2309 Contract No. IDMS 295
Operator's Name Comet Mines Incorporated Minerals Lead-Zinc
Address P.O. Box 150 Salt Lake City, Utah

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							Units	Unit Costs
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Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
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Work Prep. to Raising								
TOTAL DISTRIBUTED COSTS		4,856.79		57,790.68				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4,856.79		57,790.68				

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 4/25/53 Operator Comet Mines, Inc.

ORIGINAL SIGNED BY
Per O.E. BURTON Title Treasurer

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.

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(For Government use only)

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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.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
1983 APR 31 AM 9:10
SAN FRANCISCO, CALIFORNIA

GPO 83-38475

COMET MINES INC. OPERATIONS REPORT MARCH 1953

April 14, 1953

Paul Gemmill, Vice President, Comet Mines Inc.

E. S. McIntyre, Supt. Comet Mines Inc.

Dear Paul:

March 1953 operations at the Comet Mine consisted of development work approved by the Defense Minerals Exploration Administration.

The 550 Raise being advanced for a connection with the vertical shaft progressed from sill plus 33.0 feet to sill plus 84.5 feet, a total distance of 51.5 advance during March 1953. The raise connected with the vertical shaft March 31, 1953. This phase of the project will be completed after installing shaft timber, and converting the raise to a manway and hoisting compartment. At sill plus 51.6 feet a small station, 276 cubic feet was excavated for a loading pocket. It is not contemplated to complete the loading pocket at this time but it was deemed advisable to excavate a situation sufficient in size to allow future advance without endangering the shaft and to facilitate handling broken rock while raising for a ore pocket.

Expenses during the month increased in comparison with the previous month of February, mainly due to additional drill steel, timber and explosives used while raising.

Distribution of supplies for the operators monthly report and voucher are as follows;

Timber		$ 349.34
Explosives		181.60
Pipe (4" airline)		99.16
Drilling Machine (Repairs) Miscellaneous tools & supplies		4.00
Drill Steel	$294.00	
Development supplies	10.46	
Small tools	3.54	
Lights & signals	1.09	
Shaft supplies (bolts)	1.46	
		310.55
Total		$ 944.65

During April 1953 it is proposed to; finish timbering the raise connecting the timber with the vertical shaft on the 465 station, pulling the broken rock from the hoisting compartment transporting it to the surface waste dump, remove chute lagging and chute from the hoisting compartment, install air and water lines from the 465 level to 550 level and alter the manway to comply with Nevada Safety laws.

After the above items are completed it is anticipated to start the drifting phase of the exploration contract by drifting on the vein. Originally it was planned to drift a total of 1,100 feet on the 385 level a amendment has been requested from Defense Minerals Exploration Administration to change this part of the contract to drift on the 465 level. The supporting factors for this amendment is that the same results may be obtained at a financial savings to the government and Comet Mines Inc. by utilizing the present workings. The 465 level station in the vertical shaft and the cross-cut to the vein can be used with only slight modification to the cross-cut and by increasing the width of the existing drifts on the vein 189 feet of drifting can be accomplished at a reduced cost. Whereas drifting on the 385 level would necessitate excavating a new station and cross-cutting to the vein prior to drifting. excavations of this type have always proven costly and time consuming therefore a favorable decision on this amendment is hoped for.

Yours truly,

E. S. McIntyre

E. S. McIntyre
Supt. of Comet Mines Inc.

ESM:aw

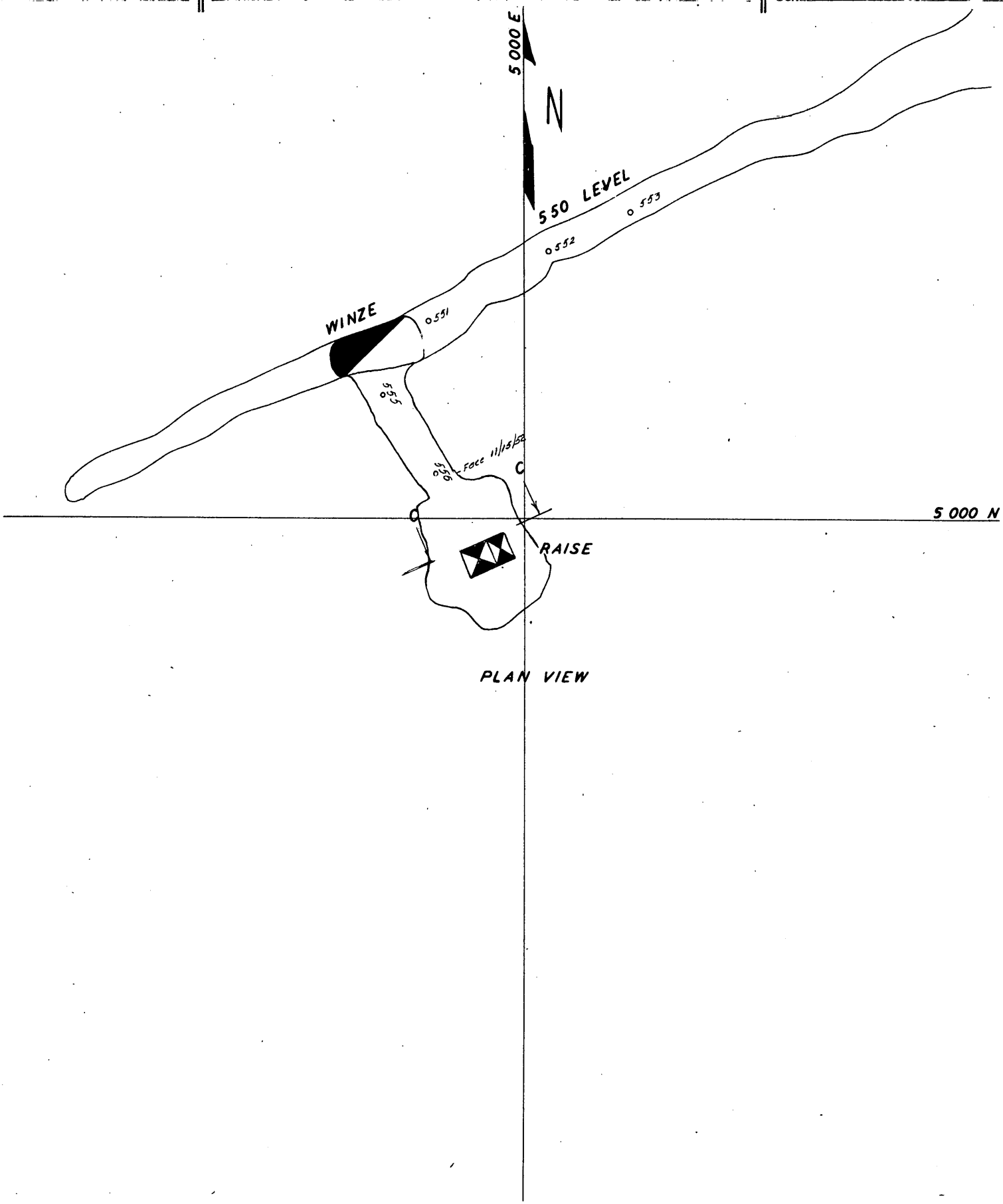
A

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

OCT. 30 1952
MADE BY ESM
TRACED BY
CHECKED BY
SCALE 1" = 20'



PLAN VIEW

A

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

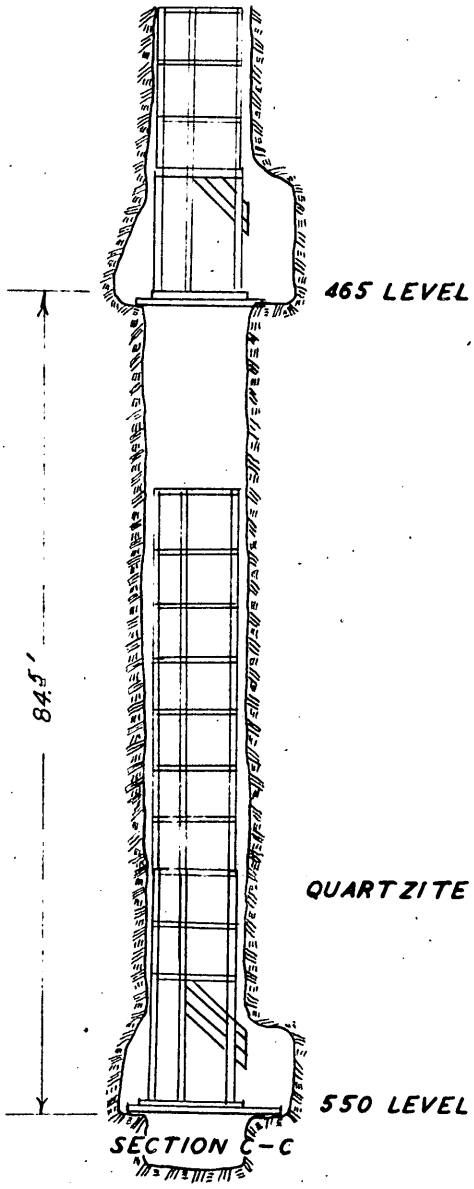
DEC 12 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



~~Alb~~ Grunwald
Betty

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1953

Date: March 10, 1953

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc., Pioche, Nevada

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry, Mining Engineer

Dated February 26, 1953

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

E. H. Bailey, USGS (With one copy of report)

Geo. Mavor

INTERIM REPORT

Docket No.: DMEA-2309 (lead-zinc) Feb. 26, 1953

Name and address of operator: Comet Mines, Inc., Pioche, Nev.

Name and location of property: Comet Mine, Lincoln County, Nev.

Contract No: Idm-E295

SUMMARY AND CONCLUSIONS

The Comet mine was visited on Feb. 8 and 9, 1953 for the purpose of inspecting the work being performed under the exploration contract. Mr. E. S. McIntyre, mine superintendent accompanied the inspecting engineer over the property.

The shaft raise has now been completed from the 465-foot level to the 310-foot level and the necessary timbers, skip guides and manway ladders installed.

The mining crew has been reduced to a total of seven men who are engaged in raising from the 550-foot level to connect with the 465-foot level. The transit survey between the 465-foot level and the 310-foot level had been very carefully made by Mr. McIntyre and Mr. Harry Godbe and the shaft alignment is perfect.

The mining and timbering are being conducted under the active supervision of James Hulse, mine foreman, and all work has been done in an excellent manner.

The mining crew have completed excavation for the station on the 550-foot level and have drilled and blasted below the level station for a sump to be five feet in depth.

The raising from the 550-foot level to the 465-foot level and the necessary timbering is estimated to require about six weeks time. After this section of the shaft raise has been completed, the operator will be in position to start drifting.

The personnel presently employed consists of:

1 superintendent (part time)
1 mine foreman
1 hoistman, surface
1 hoistman, underground
3 miners
7

Due to the hardness and abrasive nature of the quartzite formation, considerable difficulty and excessive wear is being experienced with the drill bits. Consideration is being given to the use of Liddicoat, detachable, Tungsten Carbide insert bits, No. 4 Tee Cee, with 1-inch hex. drill steel. The price of these bits is reported to be $12.50 each, Salt Lake City, Utah.

During December 1952, it was necessary to replace the drive belt on the large air compressor, with a new endless belt, 12 inches wide by 27 feet long at a cost of $137.45.

The inspecting engineer had questioned the necessity of paying rental for a standby air compressor but was informed this standby machine was kept in readiness and was frequently used in furnishing an adequate supply of compressed air.

RECOMMENDATIONS

Continue the efforts to obtain a drill bit that would have a longer life and thereby reduce drilling costs.

STATEMENT OF WORK COMPLETED

Raise from 465-foot level to 310-foot level:

Previously reported	65.2	feet
Advance Nov. 15, 1952 to Feb. 9, 1953 . .	104.8	"
TOTAL	170.0	" (completed)

Shaft timbering:

Previously reported	1 station set 9 shaft sets
Installed Nov. 15, 1952 - Feb. 9, 1953	20 shaft sets
	Installation completed

550-foot level: - Crosscut from old winze to south wall of shaft station

Previously reported	19.8	feet
Advance Nov. 15, 1952 - Feb. 9, 1953 .	3.2	"
	23.0	" (completed)

Shaft station excavation: 25 feet by 15 feet by 8.5 feet = 3.187.5 cu. ft. (Completed)

550-foot level: - Shaft raise, above shaft station

Previously reported	None
Advance Nov. 15, 1952 - Feb. 9, 1953	17.5 feet

Resume:

Total shaft raise completed and measured:

310-foot level to the 168-foot level . . .	140.1	feet
465-foot level to the 310-foot level . . .	170.0	"
	310.1	"
Estimated height from 550-foot level to 465-foot level	85.0	"
TOTAL	395.1	"

This raise footage would therefore exceed by 5.1 feet, the amount allowed under Item No. 3 of Exhibit "A".

Crosscutting: Allowable footage under Item No. 4 of Exhibit "A" . . . . . 120 feet

310-foot level	40	feet
465-foot level	33	"
550-foot level	39	"
	112	"

The large shaft stations, excavated on the 310-, 465-, and 550-foot levels, are of course necessary for convenient and efficient operation of a mine. However, the additional cost of this work is not specifically provided for in Exhibit "A" attached to the contract.

GEOLOGY

The quartzite bedding up to 17.5 feet above the 550-foot level has disclosed the occurrence of several narrow beds of limey shale and if these shale beds are not too far apart, then drilling time and costs may be improved.

SAMPLING

No mineralization has been observed in the quartzite in the shaft raise, therefore, no samples were taken.

OPERATOR'S MONTHLY REPORT

Contract amount $190,000.00
Government participation - 50% = $95,000.00

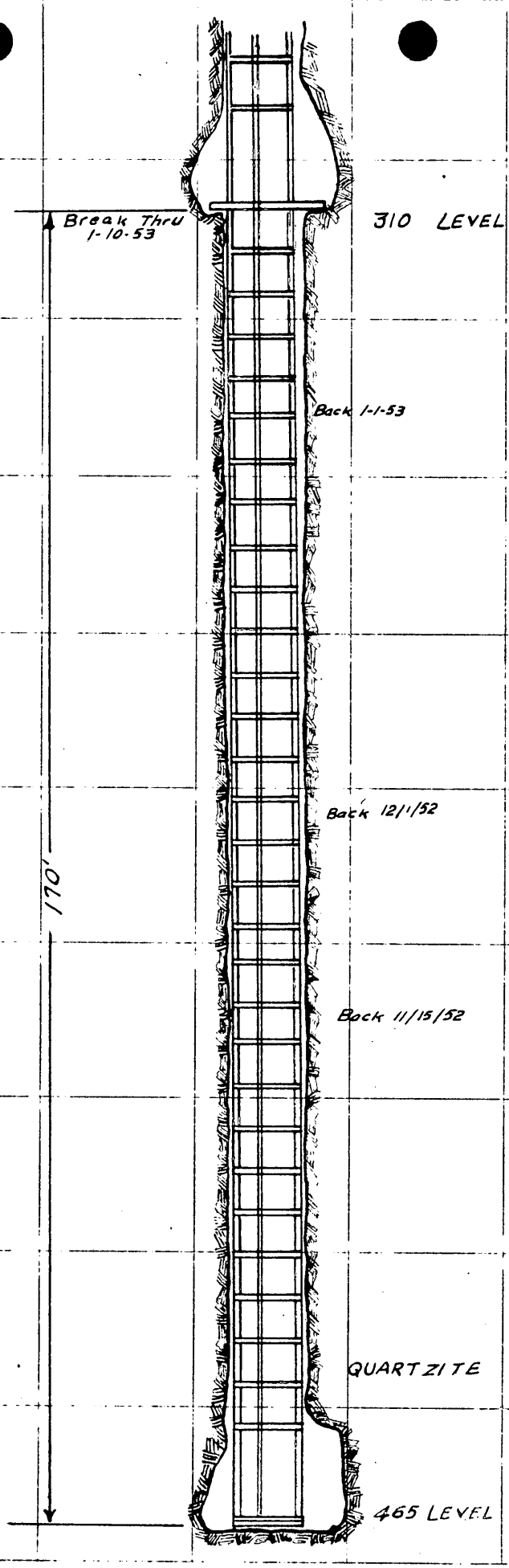
Expenditures for:	June 1952	$3,730.75	
	July 1952	5,857.16	
	Aug. 1952	7,656.52	
	Sept. 1952	5,708.72	
	Oct. 1952	5,822.88	
	Nov. 1952	6,941.81	
	Dec. 1952	8,640.64	
		$44,358.48	44,358.48
		Unexpended	$145,641.52

Contract dated: April 16, 1952
Contract period: 20 months
Expended time: 10 months
Balance: 10 months

COMMENTS

After completing the raise from the 550-foot level to the 465-foot level, timbering the shaft and general preparation work, there will probably remain approximately 8 months time to drive the 3200 feet of drifts allowed under items No. 6 and No. 7 of Exhibit "A". To complete this drifting without extending the contract time will require an advance of 15.4 feet per day with no allowance for delays, breakdowns, etc.

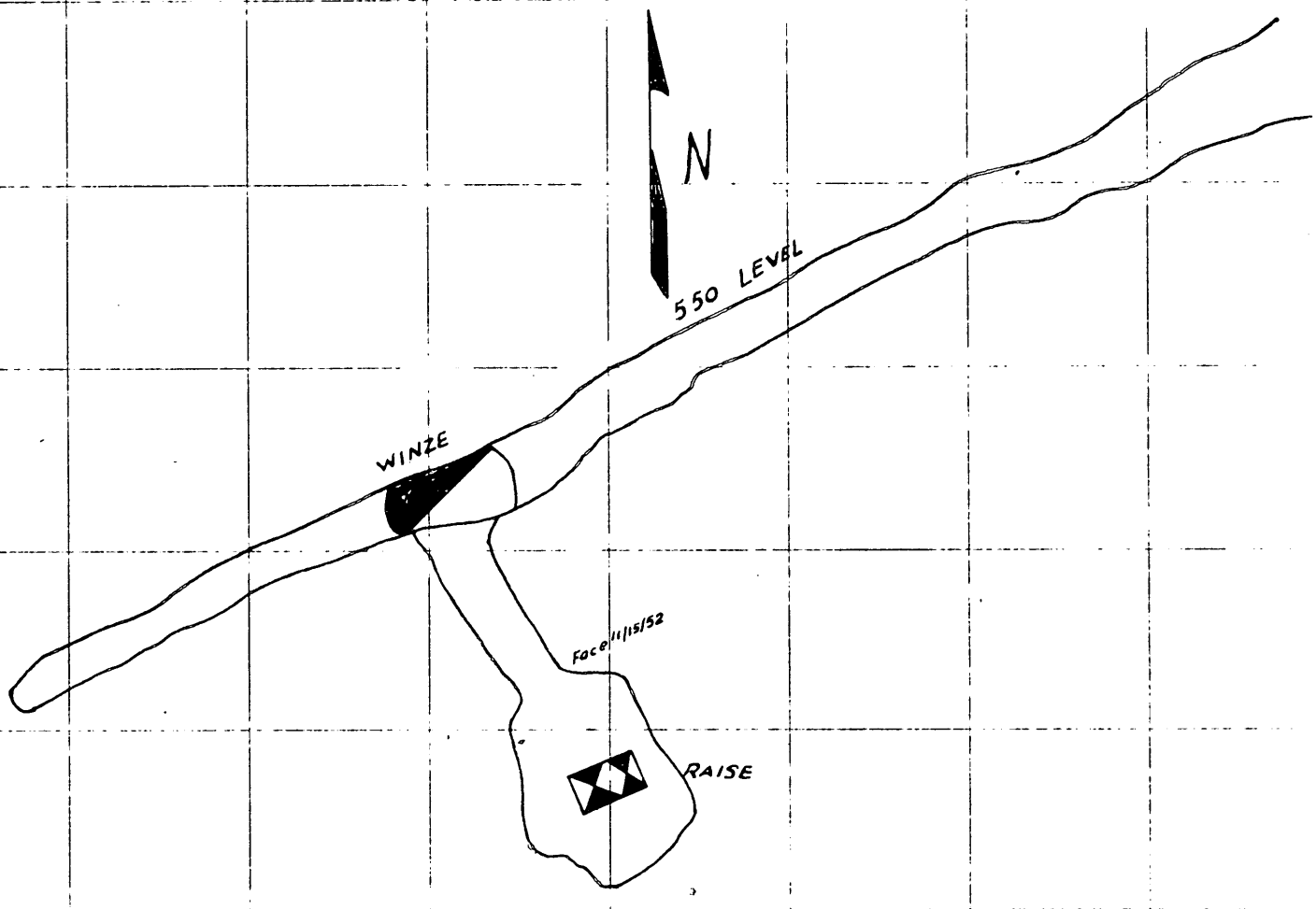
Glenn G. Gentry
Mining Engineer



SHAFT SECTION

COMET MINES, INC.
Contract IdmE 295
Scale 1 inch = 20 Ft.

"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF.



COMET MINES, Inc.
PLAN
Contract Idm-E295
Scale: 1 inch = 20 ft.

"ALBANENE" NO. 100M
REG. U.S. PAT. OFF

Answered
Betty

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 13 1953

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

April 8, 1953

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Operators' Monthly Progress Reports - Forms MF-104 & MF-104A

Enclosed herewith are two copies of each of the subject reports received from the following operators as listed below. These reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report dated	Period covered
Idm-E44 DMEA-1377X	Black Rock Mining Corp.	Mar. 10, '53	January 1953
Idm-E295 DMEA-2309	Comet Mines, Inc.	Mar. 16, '53	February 1953
Idm-E331 DMEA-2495	Copper Hill Mine	Mar. 20, '53	January and February 1953
Idm-E404 DMEA-66	Ely Valley Mines, Inc.	Mar. 14, '53	February 1953
Idm-E442 DMEA-2257	Walker Corp.	Mar. 5, '53	February 1953

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: E. M. Bailey, USGS

Form M-[illegible]4 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-56.

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

Month of February, 1953 Docket No. DMEA 2309 Contract No. IDE 295
Operator's Name Comet Mines, Incorporated Minerals Lead-Zinc
Address P.O. Box 152, Salt Lake City, Utah
Contract Amount, $ 190,000 Government Participation: 50% Amount, $ 95,000.00

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:						O.W.C. 5/5/53
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,064.97	25,156.98	27,221.95			
Supervision	649.95	5,681.38	6,331.33			
Technical Services	—	199.29	199.29			
(3) Operating Mat'ls. and Supplies:						
Timber	213.67	3,225.80	3,439.47			
Explosives	62.47	1,241.57	1,304.04			
Pipe	5.32	525.79	530.11			
Track		30.00	30.00			
Power	88.86	549.24	638.10			
Misc. tools supplies	46.24	3,824.06	3,870.30			
(4) Operating Equipment:						
Rental	145.00	1,150.00	1,295.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	520	868.10	873.30			
Sampling and Analysis						
Payroll Taxes	70.42	580.82	651.24			
Liability Insurance	125.75	2,127.40	2,253.15			
Pick-up Transports.	90.23	746.41	836.64			
Warehouse Acc. Gen. Ex.	252.61	3,405.36	3,657.97			
(8) Contingencies (specify):						
TOTALS	3,620.71	49,313.18	52,933.89			

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

Date 3/16/53 *Payee Comet Mines, Inc.

ORIGINAL SIGNED BY

Per O. E. BURTON Title Treasurer

*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:

$ 1810.36

A. J. Renner
Signature (Authorized Certifying Officer)
Authorized Certifying Officer

Date APR 6 1953 Vou. No. SF-DMEA-39

(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. [illegible] in accordance with the terms of the contract.

Signature [illegible] Title Mining Methods Research Engineer Date March 24, 1953.
George W. Holmes, Jr.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer DMEA Field Team Region III Date March 27, 1953
H. C. Miller

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.

ACCOUNTS MAR 31 1953

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 2309 Contract No. IDME 295

Operator's Name Comet Mines Incorporated Minerals Lead-Zinc

Address P.O. Box 150, Salt Lake City, Utah

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				2,896.35	56.0	51.72		
Raising *	* Ft	1357.77	7.0	37,625.64	329.6	114.16		
Shafts	Ft	905.19	6.0	905.19	6.0	150.87		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
~~xxxx~~ Station Excavation & ~~XXXXXXXXX~~ Work Preparation to Raising								
Test Pits								
Roads and Trails		1357.75		11,506.71				
TOTAL DISTRIBUTED COSTS		3620.71		52,933.89				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,620.71		52,933.89				

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 3/16/53 Operator Comet Mines, Inc.

Per ORIGINAL SIGNED BY O. F. BURTON Title Treasurer

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

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GPO 83-38475

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

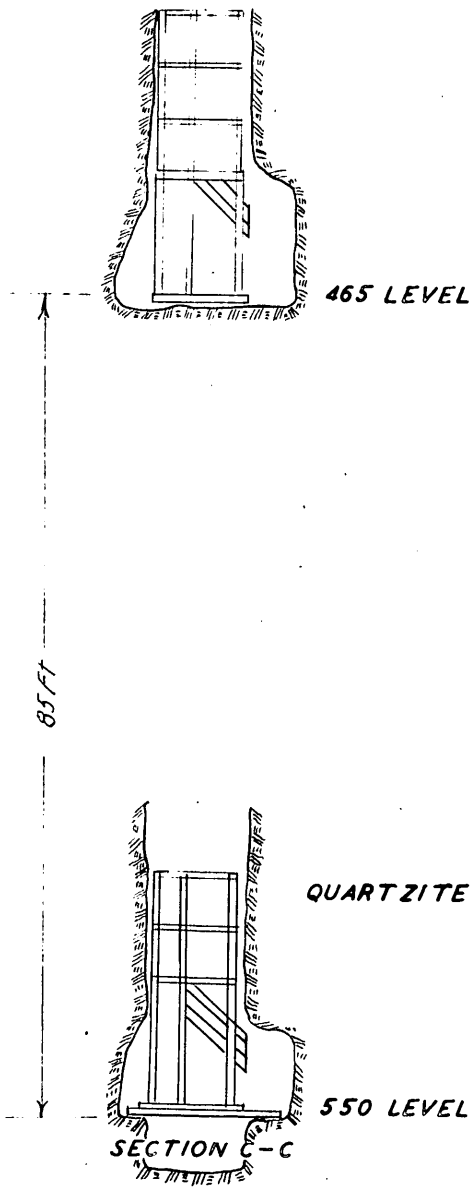
DEC 12 19 52

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



REFERENCES

COMBINED METALS REDUCTION CO

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

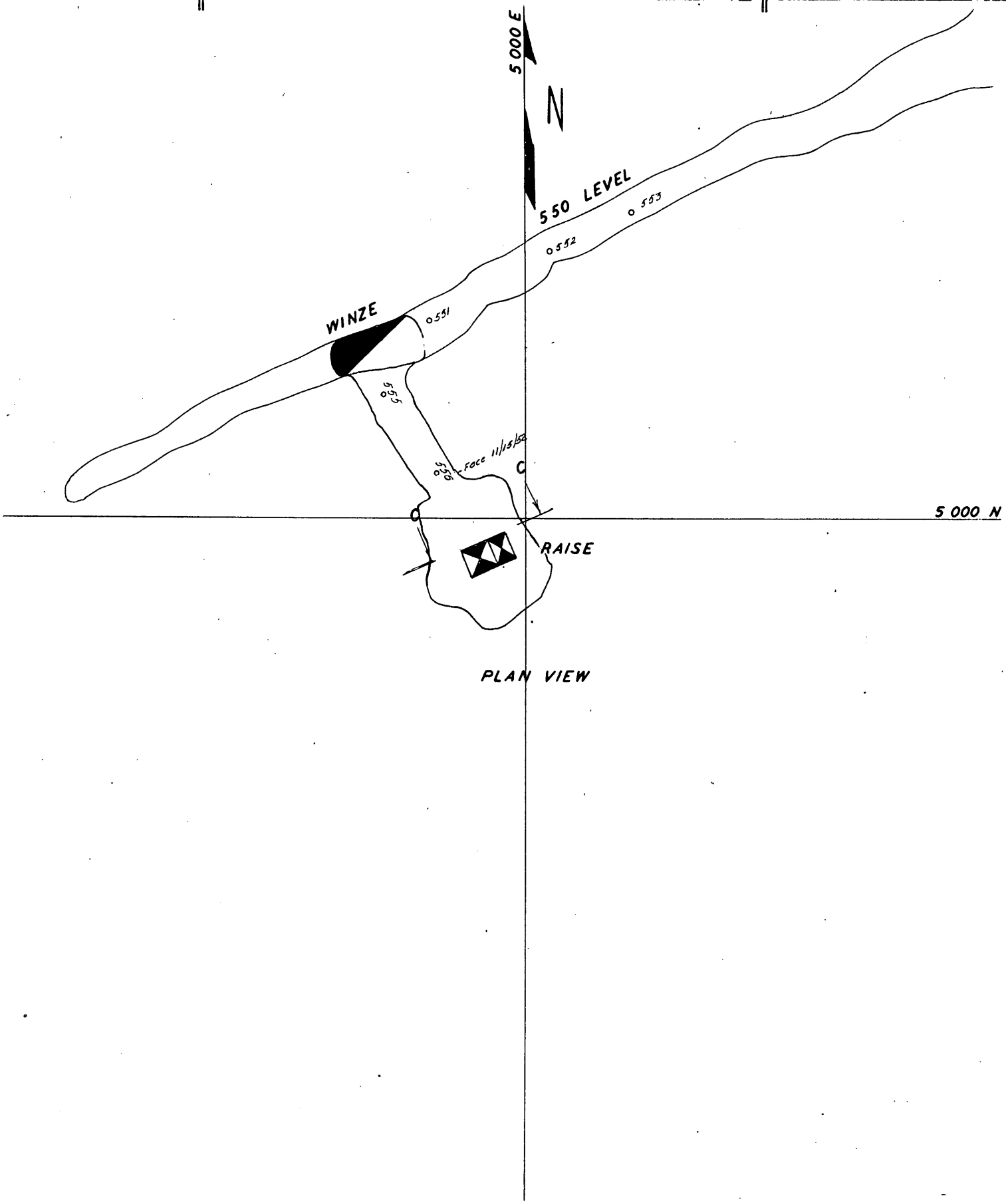
OCT. 30 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



PLAN VIEW

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

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 23 1953

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

March 16, 1953

3/26/53. Received by J.W.G.

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Operators' Monthly Progress Reports - Forms MF-104 & MF-104A

Enclosed herewith are two copies of each of the subject reports received from the following operators as listed below. These reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report dated	Period covered
Idm-E295 DMEA-2309	✓ Comet Mines, Inc.	Feb. 28, '53	January 1953
Idm-E457 DMEA-2512	Coranda Corporation	Mar. 2, '53	February 1953
Idm-E474 DMEA-2809	Surcease Mining Company	Mar. 6, '53	February 1953

Sincerely yours,

H. C. Miller

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: E. H. Bailey, USGS

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.

ACCOUNTS MAR 11 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1953 Docket No. DMEA 2309 Contract No. Idme 295
Operator's Name COMET MINES, INC. Minerals Lead Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2,543.68	22,613.28	25,156.96			
Supervision	747.29	4,934.09	5,681.38			
Technical Services		199.29	199.29			
(3) Operating Mat'ls. and Supplies:						
Timber	251.25	2,974.55	3,225.80			
Explosives	86.91	1,154.66	1,241.57			
Pipe	202.45	324.34	526.79			
Track		30.00	30.00			
Power	91.19	458.05	549.24			
Misc. Tools & Supp.	176.44	3,647.62	3,824.06			
(4) Operating Equipment:						
Rental	145.00	1,005.00	1,150.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	16.00	852.10	868.10			
Sampling and Analysis						
Payroll Taxes	92.15	488.67	580.82			
Liability Insurance	164.55	1,962.85	2,127.40			
Pickup Transportation	92.82	653.59	746.41			
Whse. & Accounting	344.97	3,060.39	3,405.36			
(8) Contingencies (specify):						
TOTALS	4,954.70	44,358.48	49,313.18			

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

Date February 28, 1953 Name COMET MINES, INC.

ORIGINAL SIGNED BY

Per O. F. BURTON Title Treasurer

*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:

$ 2477.35

Lloyd H. Sjolander
Signature Authorized Certifying Officer
(Authorized Certifying Officer)

Date Vou. No. SF-DMEA-37

(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. 20-225 in accordance with the terms of the contract.

Signature R. E. Johnson Title Chief, Mining Div. Section III Date March 5, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date March 10, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

ACCOUNTS MAR 11 1953

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1953 Docket No. DMEA 2309 Contract No. Idm 3295
Operator's Name COMET MINES, INC. Minerals Lead Zinc
Address P. O. Box 150, Salt Lake City, Utah

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	Ft			2,896.35	56.0	51.72		
Crosscutting								
Raising	Ft	4,954.70	35.8	36,267.87	322.6	112.42		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
~~Tunnels~~ Station excavation ~~Boardwalk~~ and work preparation to raising Cu.	Ft.			10,148.96	6180	1.64		
TOTAL DISTRIBUTED COSTS		4,954.70		49,313.18				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4,954.70		49,313.18				

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

Date February 28, 1953 Operator COMET MINES, INC.

Per ORIGINAL SIGNED BY O. A. BURTON Title Treasurer

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

Comet Mines Inc. Operations Report January 1953

Feb. 19, 1953

Paul Gemmill, Vice President, Comet Mines Inc.

E. S. McIntyre, Supt. Comet Mines Inc.

Dear Paul:

January 3, 1953 operations at the Comet Mine were curtailed to one heading and the crew was reduced to five men and a foreman. The 465 raise was continued and all work during the month was that approved by Defense Minerals Exploration Administration.

The 465 raise was advanced from sill plus 144.2 feet to connect with the vertical shaft in the 310 level at sill plus 170.0 feet. Total raise advance was 32.8 feet. By January 15,1953 the 465 raise had been completed and alterations were started to change it to a shaft section by pulling the broken rock, removing chute lagging, installing shaft guides, air and water lines etc.

By January 31st the shaft section from the 465 level to the surface was completed with the exception of altering the manway from the 465 level to 310 level.

Supplies and labor were decreased during the month due to curtailed operations and fewer supplies required while converting the raise to a shaft section.

Distribution of supplies for the Operators Monthly Report and Voucher are as follows:

Timber		$251.25
Explosives		86.91
Pipe		202.45
Miscellaneous tools & supplies		
Drill steel	$ 57.20	
Small tools	28.74	
Greases	7.22	
Hoisting (lubricant)	4.46	
Lights & signals (bell cord)	28.76	
Supervisory Clothing	9.30	
Development supplies	40.76	
		176.44
Repairs to equipment		16.00
Total		$ 733.05

The increased cost for pipe results from purchases of 4 inch air line installed in the shaft from 310 level to the 465 level.

Drill steel costs are lower due to the curtailed program and operations during the month did not include as much drilling. The abrasive nature of the quartzite continued to give high costs for drill steel. Cornomat Drill steel (Swede) has given the best drilling costs to date, the Copco Pacific representatives have replaced those that fail the first 10 feet of drill hole. At present we have considerable steel with the tungsten cutting edges worn beyond use. It is proposed to salvage this steel by grinding a liddacoat connection on the steel and use a detachable tungsten carbide insert bit.

During February 1953 it is proposed to complete the shaft section to the 465 level finish mucking out the 550 station and sink two rounds to safe guard the station sills during future sinking operations. The next phase is to install station timber, chute, timber the raise and continue raising. The hoist from the 465 raise station will be moved to the 550 level and installed for a service hoist while raising. Chute lagging, pipe, guides and other materials usable will be salvaged from the 465 raise and used in the 550 raise.

Yours truly,

E. S. McIntyre

E. S. McIntyre

ESM:zw

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1958 MAR 6 AM 8:59

SAN FRANCISCO, CALIFORNIA

A

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

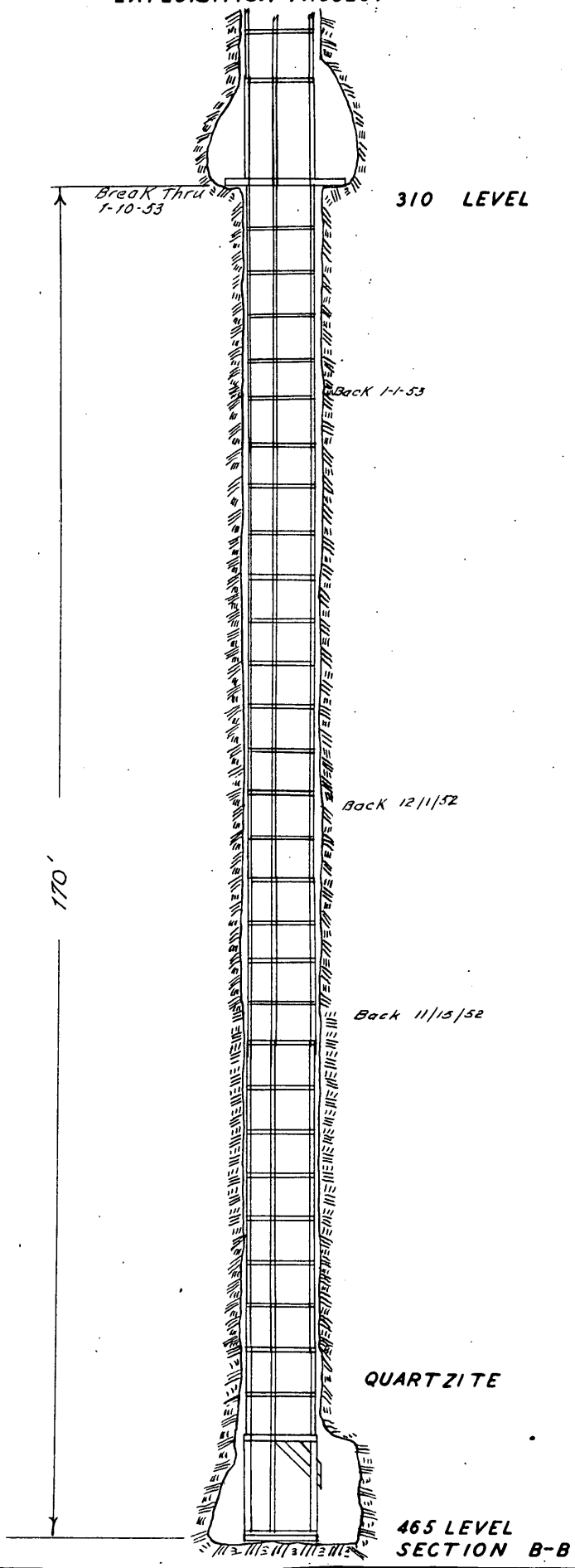
OCT 31 19 52

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



SECTION B-B

A

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

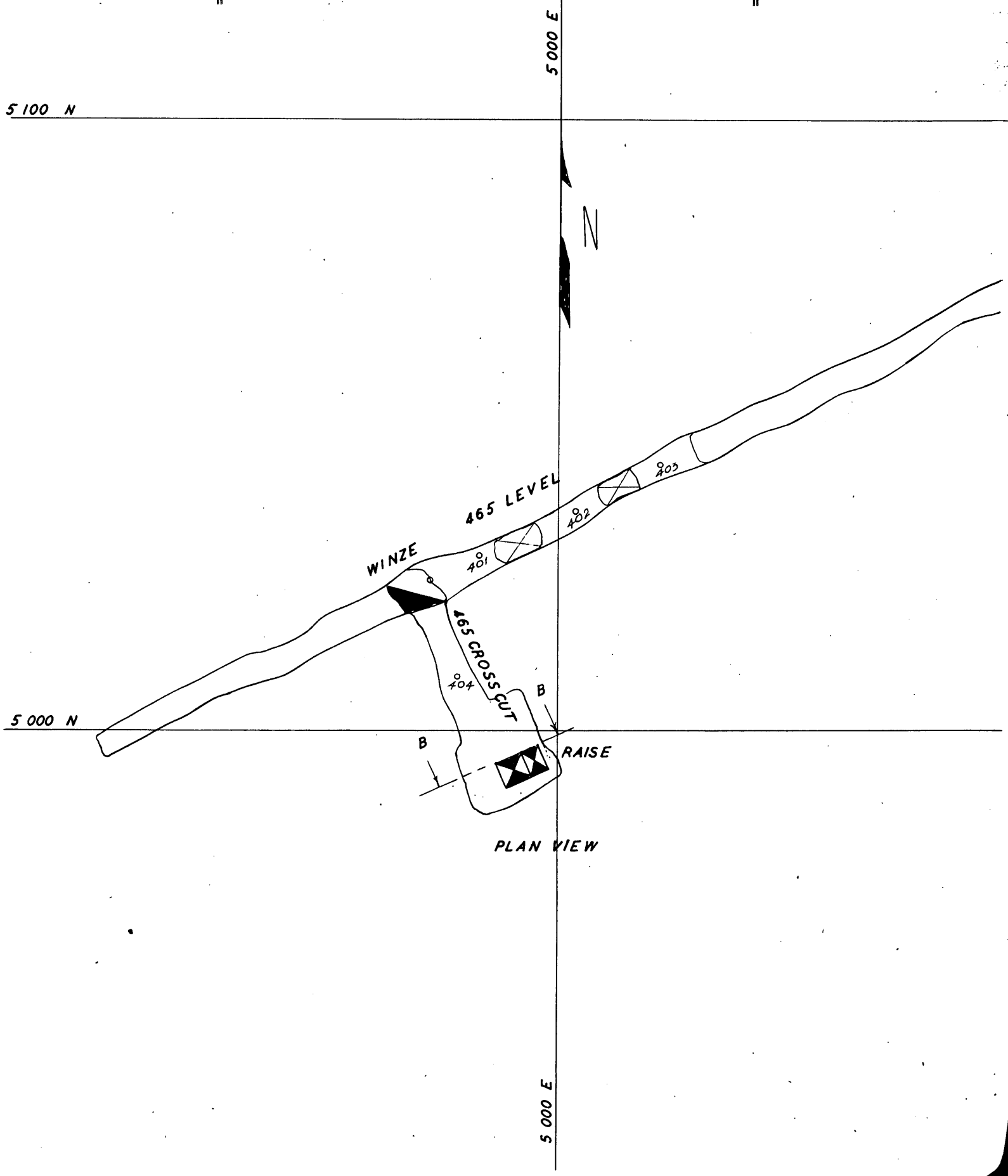
SEPT. 20 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



PLAN VIEW

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

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 1953

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

February 25, 1953

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Operators' Monthly Progress Reports - Forms MF-104 & 104A

Enclosed herewith are two copies of each of the subject reports received from the following operators as listed below. These reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report dated	Period covered
Idm-295 DMEA-2309	Comet Mines, Inc.	Jan. 26, '53	December 1952
Idm-457 DMEA-2512	Coranda Corp.	Feb. 2, '53	January 1953
Idm-442 DMEA-2257	Walker Corporation	Feb. 1, '53	January 1953
Idm-385 DMEA-2560	Harold P. Newman	Jan. 30, '53	December 1952
Idm-369 DMEA-2478	New Idria Mining & Chemical Co.	Feb. 9, '53	January 1953
Idm-424 DMEA-2441	L. D. & Mary R. Foreman & Ida L. Cannon	Feb. 11, '53	January 1953
Idm-467 DMEA-2289	Graham Development Corp.	Feb. 11, '53	December 1952
Idm-467 DMEA-2289	Graham Development Corp.	Feb. 11, '53	January 1953

Idm-201 DMEA-145	Grand Deposit Mining Co.	Nov. 14, '52	October 1952
Idm-201 DMEA-145	Grand Deposit Mining Co.	Nov. 21, '52	November 1952

Sincerely yours,

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachments

Copy to: E. H. Bailey, USGS

Form MF-101 (Rev.)
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS FEB 6 1953
O.K. J.W. Ad 3/9/53

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1952 Docket No. DMEA 2309 Contract No. IDME 295
Operator's Name Comet Mines, Incorporated Minerals Lead-Zinc
Address P.O. Box 150, Salt Lake City, Utah
Contract Amount, $ 190,000.00 Government Participation: 50% Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	4381.97	18,231.31	22,613.28			
Supervision	724.79	4,209.30	4,934.09			
Technical Services		199.29	199.29			
(3) Operating Mat'ls. and Supplies:						
Timber	485.49	2,489.06	2,974.55			
Explosives	307.53	847.13	1,154.66			
Pipe	2.62	321.72	324.34			
Track		30.00	30.00			
Power	120.78	337.27	458.05			
Misc. Tools,	1038.83	2,608.79	3,647.62			
(4) Operating Equipment:						
Rental	160.00	845.60	1,005.60			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	252.23	599.87	852.10			
Sampling and Analysis						
Payroll Taxes	103.83	384.84	488.67			
Liability Insurance	372.22	1,590.63	1,962.85			
Pick-up Trans.	87.57	566.02	653.59			
(8) Contingencies (specify):						
Whse, accounting						
General expense	602.78	2,457.61	3,060.39			
TOTALS	8,640.64	35,717.84	44,358.48			

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

Date 1-26-52 *Payee Comet Mines, Incorporated

ORIGINAL SIGNED BY
O. E. BURTON

Per _____ Title Treasurer

*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:

$ 4320.32

Legal Signature
Authorized Certifying Officer

Signature _____
(Authorized Certifying Officer)

FEB 24 1953
Date _____ Vou. No. SF-DMEA-34

(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. [illegible] in accordance with the terms of the contract.

Signature [illegible] Title Chief, Mining Div. Region III Date February 3, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date February 5, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-144A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS FEB 6 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1952 Docket No. DMEA 2309 Contract No. IDME 295
Operator's Name Comet Mines, Incorporated Minerals Lead-Zinc
Address P.O. Box 150 Salt Lake City, Utah

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	Ft.			2,896.35	55.0	51.72		
Crosscutting								
Raising	Ft.	5225.10	69.5	31,313.17	286.8	109.18		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Station work preparation	cu.ft.	3415.54	1683	10,148.96	6100	1.64		
TOTAL DISTRIBUTED COSTS		8640.64		44,358.48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		8640.64		44,358.48				

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 1-26-53 ORIGINAL SIGNED BY Operator Comet Mines, Incorporated

Per O. F. BURTON Title Treasurer

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Comet Mines Inc. Operations Report December 1952

January 12, 1953

Paul Gemmill, Vice President, Comet Mines Inc.

E. S. McIntyre, Supt. Comet Mines Inc.

Dear Paul:

Work at the Comet Mine during December 1952 consisted entirely of development work approved by Defense Minerals Exploration Administration. Progress was continued in raises being advanced for conversion to a vertical shaft.

The 465 Raise was advanced from sill plus 92.2 feet to sill plus 144.2 feet for a total distance of 52.0 feet. Shaft sets were installed as the heading was advanced. The quartzite formation remained exceedingly abrasive resulting in adverse drilling conditions. By the end of the month approximately 24 feet advance remained for a connection with the vertical shaft at the 310 level.

On the 550 level 1683 cubic feet was excavated to complete a station for raising to the 465 level and sinking to the 640 level a station of sufficient size was excavated to allow for a leading pocket and additional room necessary during sinking operations. The 550 Raise was advanced from floor plus 8.5 feet to floor plus 26 feet or a total distance of 17.5 feet. To date all excavation has been completed without timber, so the next phase of this heading will require installation of station timber, chute and raise sets before raise advance is continued.

During January 1953 it is proposed to curtail operations to one heading and reduce the crew accordingly. The 465 Raise will be advanced until a connection is made at the 310 level. It will then be necessary to, remove all the broken rock from the raise, remove chute lagging and alter the raise to a shaft with manway and hoisting compartment.

Yours truly,

E. S. McIntyre

E. S. McIntyre

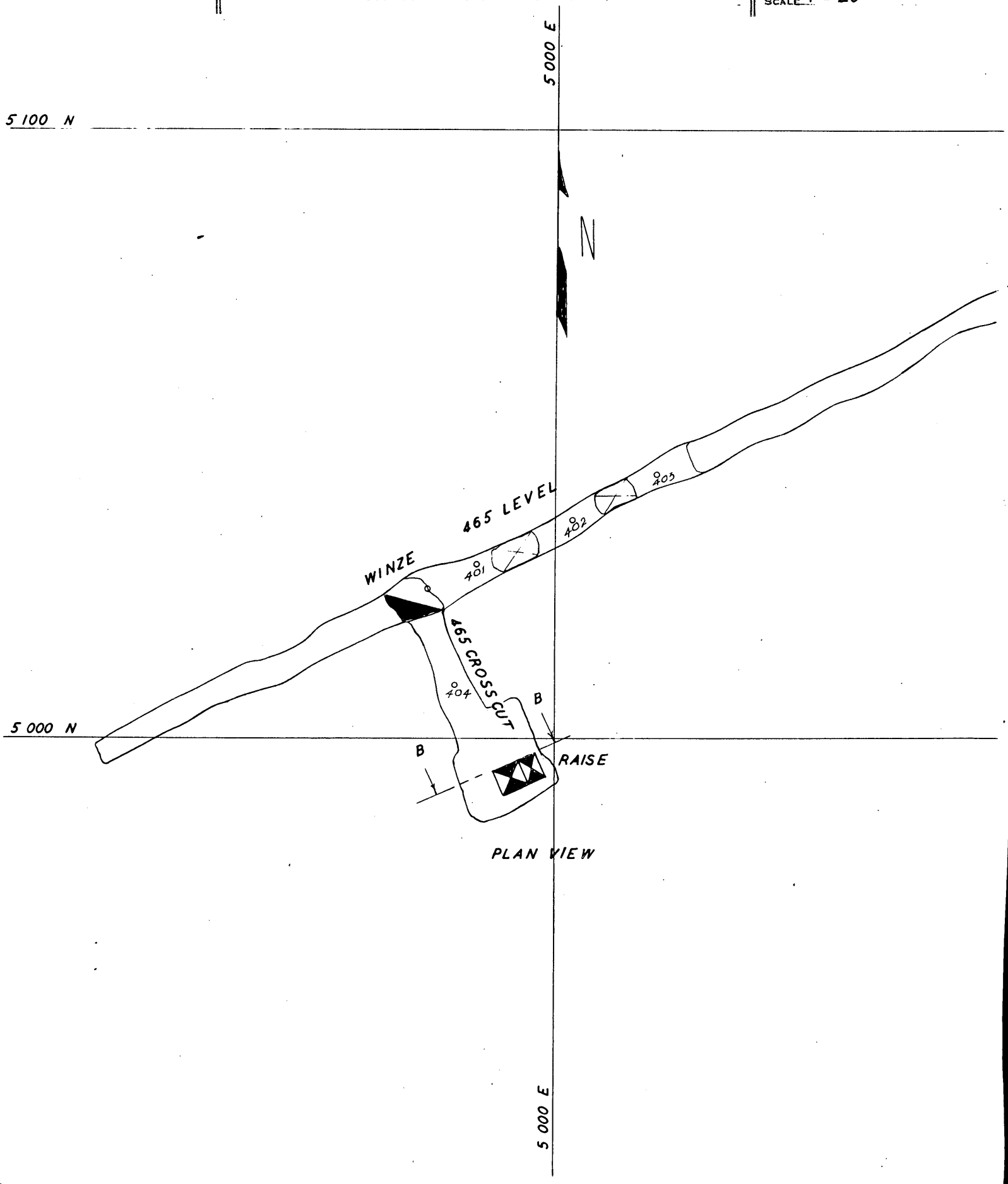
ESM:sw

REFERENCE

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

SEPT. 20, 19 52
MADE BY ESM
TRACED BY
CHECKED BY
SCALE 1" = 20'



PLAN VIEW

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

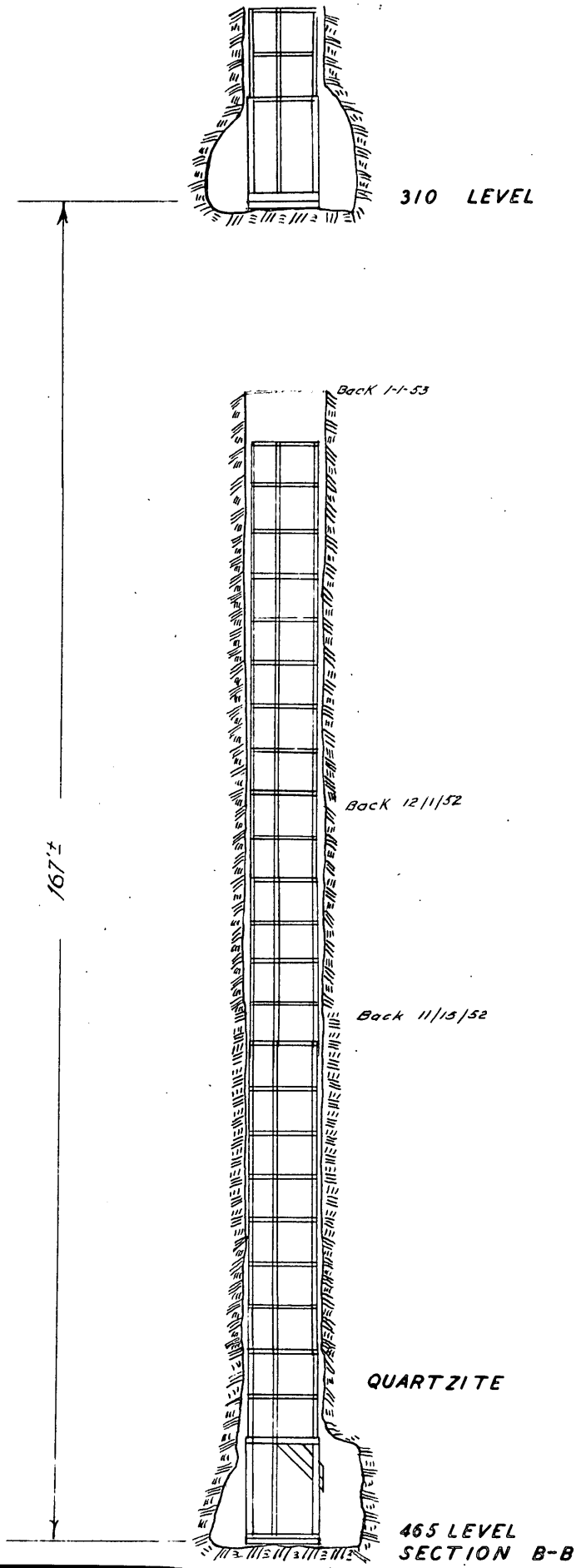
OCT 31 19 52

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



SECTION B-B

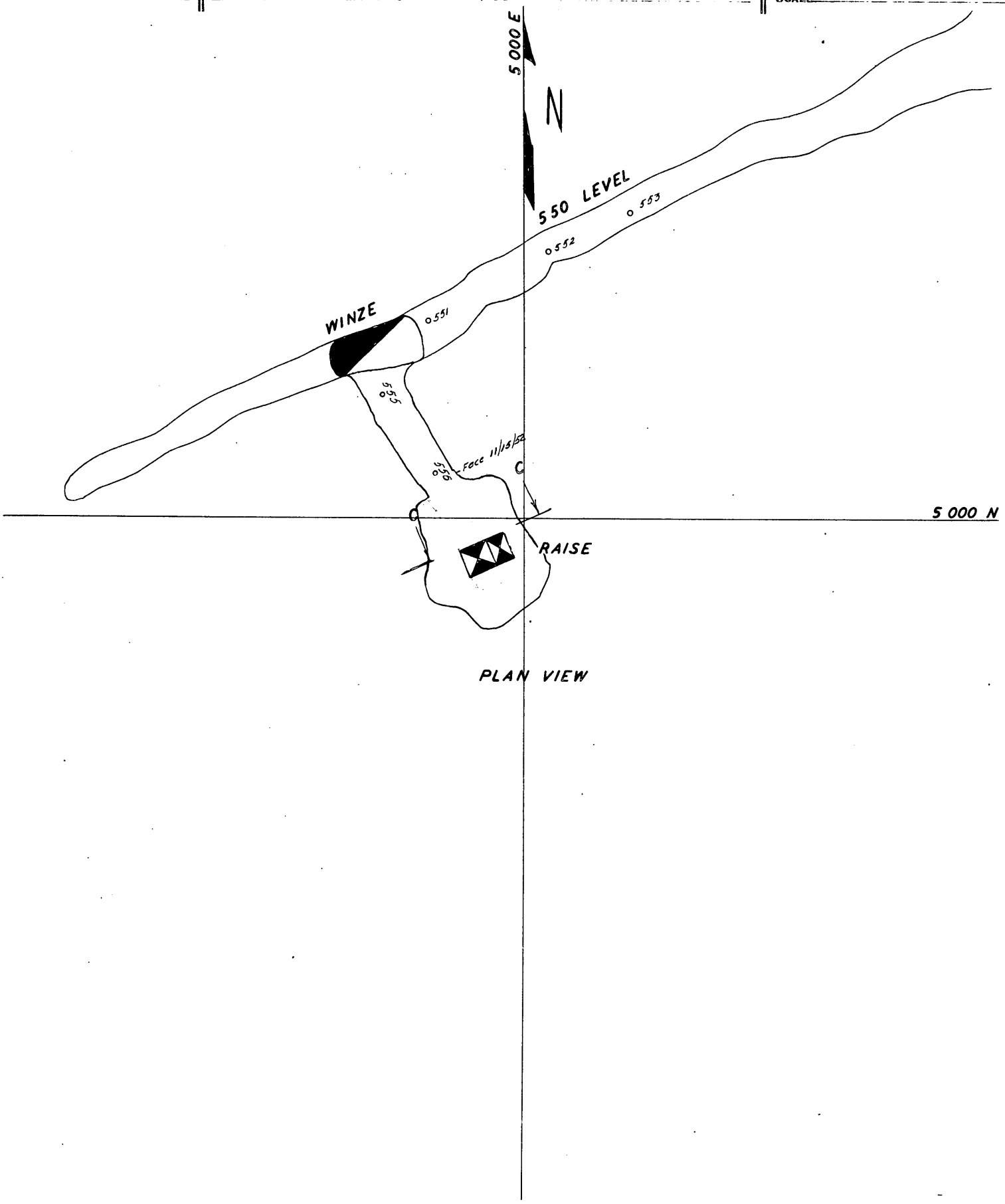
A

REFERENCES

COMBINED METALS REDUCTION CO

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

OCT. 30 1952
MADE BY ESM
TRACED BY
CHECKED BY
SCALE 1" = 20'



PLAN VIEW

A

REFERENCES

COMBINED METALS REDUCTION

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

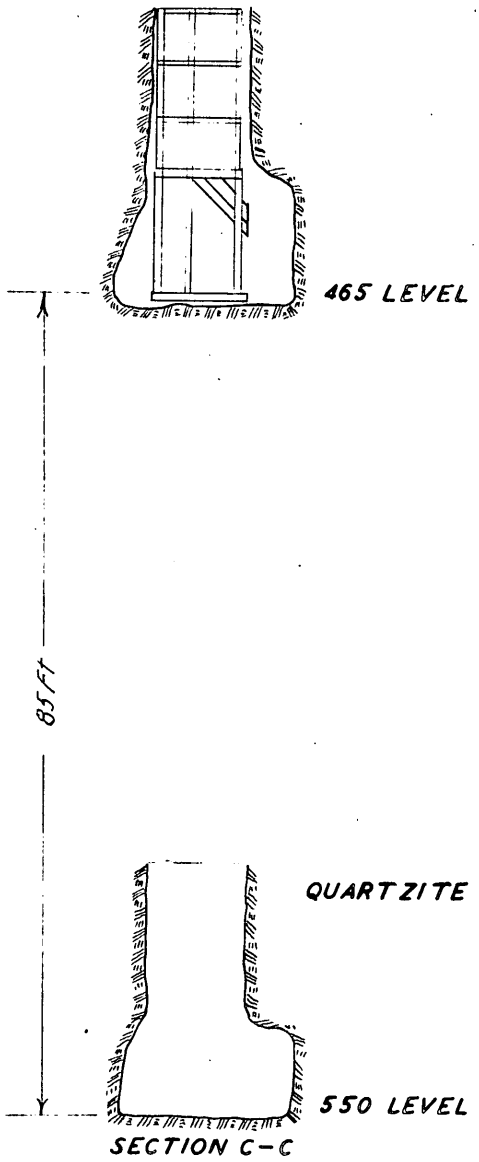
DEC 12 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



SECTION C-C

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: Dec. 2, 1952

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 2309

Contract Idm-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry

Dated Nov. 26, 1952

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (With one copy of report)

E. H. Bailey, USGS (With one copy of report)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

INTERIM REPORT

Docket No. : DMEA-2309 (lead-zinc) Nov. 26, 1952

Name and address of operator: Comet Mines, Inc., Pioche, Nev.

Name and location of property: Comet Mine, Lincoln County, Nev.

Contract No. : Idm-E295

SUMMARY AND CONCLUSIONS

The Comet mine was visited on Nov. 15, 1952 for the purpose of inspecting the work being performed under the above exploration contract. Mr. Harry Godbe, acting mine superintendent, accompanied the inspecting engineer over the property.

After completing the shaft to the 310-foot level, it was necessary to install a longer steel cable on the surface hoist, install a larger sized shaft cage, re-align the ladders in the manway and construct new landing chairs for use in landing the new cage on the 310-foot level.

The work of raising the shaft above the 465-foot level has been continued and the work is being performed in the same manner as followed in raising above the 310-foot level.

The rock broken in the raise is passed through the shaft and transferred by mine cars to the old winze. It is then hoisted to the 310-foot level and dumped into an ore pocket, thence into mine cars which are hoisted to the surface.

A transit survey has been completed from the 465-foot level and through the old winze to the 550-foot level and a crosscut has been started on the 550-foot level on a bearing of S. 31° E. This crosscut will be extended for a distance of 32 feet and a station excavated.

From this station the shaft raise will be extended to connect with the shaft on the 465-foot level.

RECOMMENDATIONS

The purchase cost of the one inch diameter, Swedish drill steel, noted in the company report for the month of October, amounts to $241.31. This cost for the 38 feet of progress reported, amounts to $6.35 per foot.

In order to reduce costs and eliminate the necessity of purchasing so many new steel rods when the tungsten-carbide insert is chipped or worn out, it is suggested that consideration be given to purchasing only the tungsten carbide insert.

It appears possible to use the same drill steel rod and the new inserts could probably be installed by the mechanics at the Caselton machine shop. This experiment should be tried as the bit breakage and drill steel cost is too high.

STATEMENT OF WORK COMPLETED

Raise from the 465-foot level:

Previously reported	None
Advance, Sept. 27 - Nov. 15, 1952 . . .	65.2 feet

Shaft timbering:

Previously reported:	None
Installed, Sept. 27 - Nov. 15, 1952 . .	1 station set 9 shaft sets

550-foot level: Crosscut from old winze to center line of raise:

Previously reported	None
Advance, Sept. 27 - Nov. 15, 1952 . . .	19.8 feet

Size of crosscut: 6 feet wide by 8 feet 6 inches high.

COMMENTS

A raise round usually consists of 26 holes drilled to a depth of 4.5 feet. Blasting is done by means of No. 8 blasting caps. 12 feet of fuse is used for each drill hole.

The men usually drill and blast on one day and muck out and install shaft sets the following day.

Personnel consists of the following:

1 engineer-superintendent
1 mine foreman
2 hoistmen (1 surface and 1 underground)
1 topman-bit grinder
5 miners
10

The operating conditions and the work performed are satisfactory.

GEOLOGY

The raise is being extended through the same hard, dense quartzite and across the bedding planes. This condition has made it necessary to drill more holes per round. The drilled rounds appear to break well and the overbreak has been kept to a minimum.

SAMPLING

No mineralization has been oberved in the quartzite, therefore, no samples were taken.

OPERATORS MONTHLY REPORT

Contract, amount		$190,000.00
Government participation - 50%		95,000.00
Expenditures for June '52	$ 3,730.75	
July '52	5,857.16	
Aug. '52	7,656.52	
Sept. '52	5,708.72	
Oct. '52	5,822.88	
	$28,776.03	$28,776.03
Balance		$161,223.97

Contract dated: April 16, 1952
Contract period: 20 months
Expended time: 5.5 months
Balance 14.5 months

Progress costs for October 1952:

Crosscutting . . . $1,474.92 - advance 9 feet - Cost per foot $163.88
Raising . . . . . $4,347.96 - advance 29 feet - Cost per foot $149.93

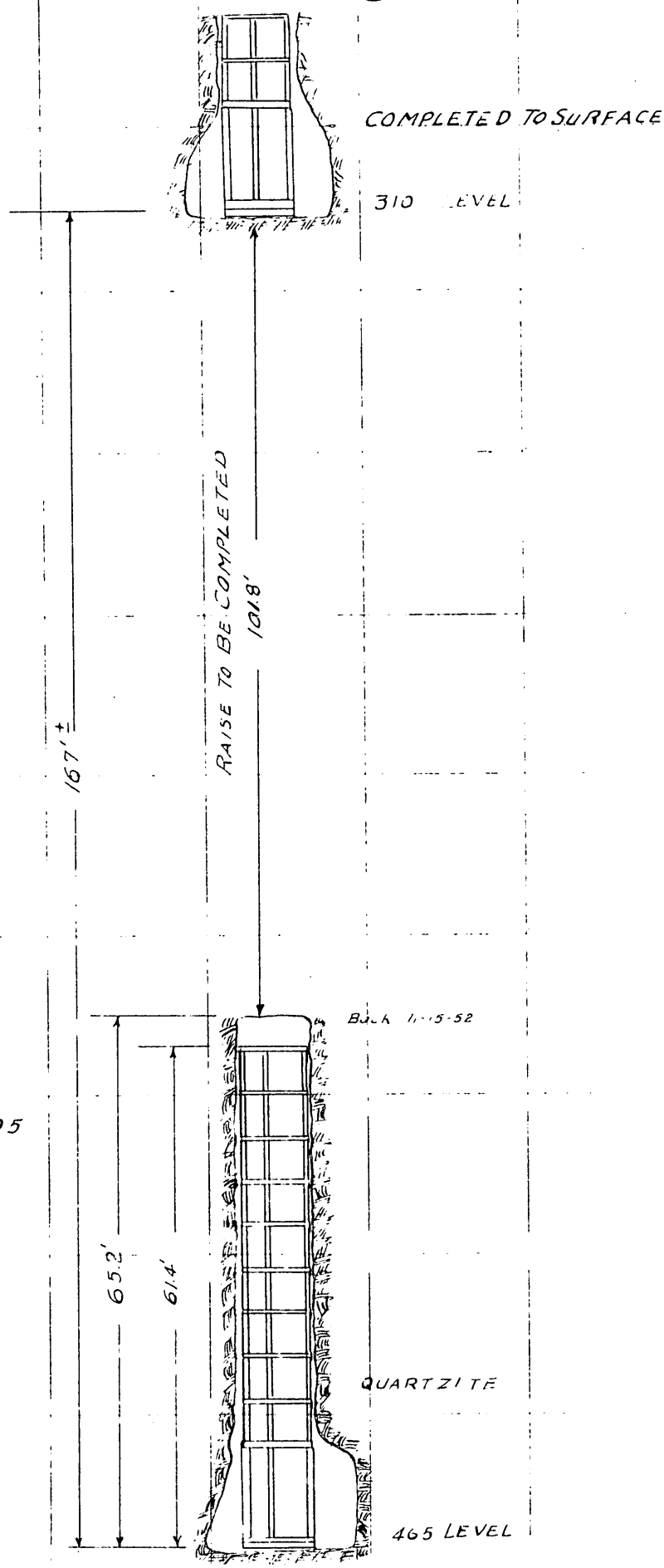
These footage costs are too high, however, preparatory work has also been charged and was necessary prior to the start of the crosscutting and raising reported.

The operators monthly report for October 1952 has been checked, found to be in order and approved for payment.

GENERAL

Winter weather conditions may sometimes be severe and therefore some delays should be anticipated.

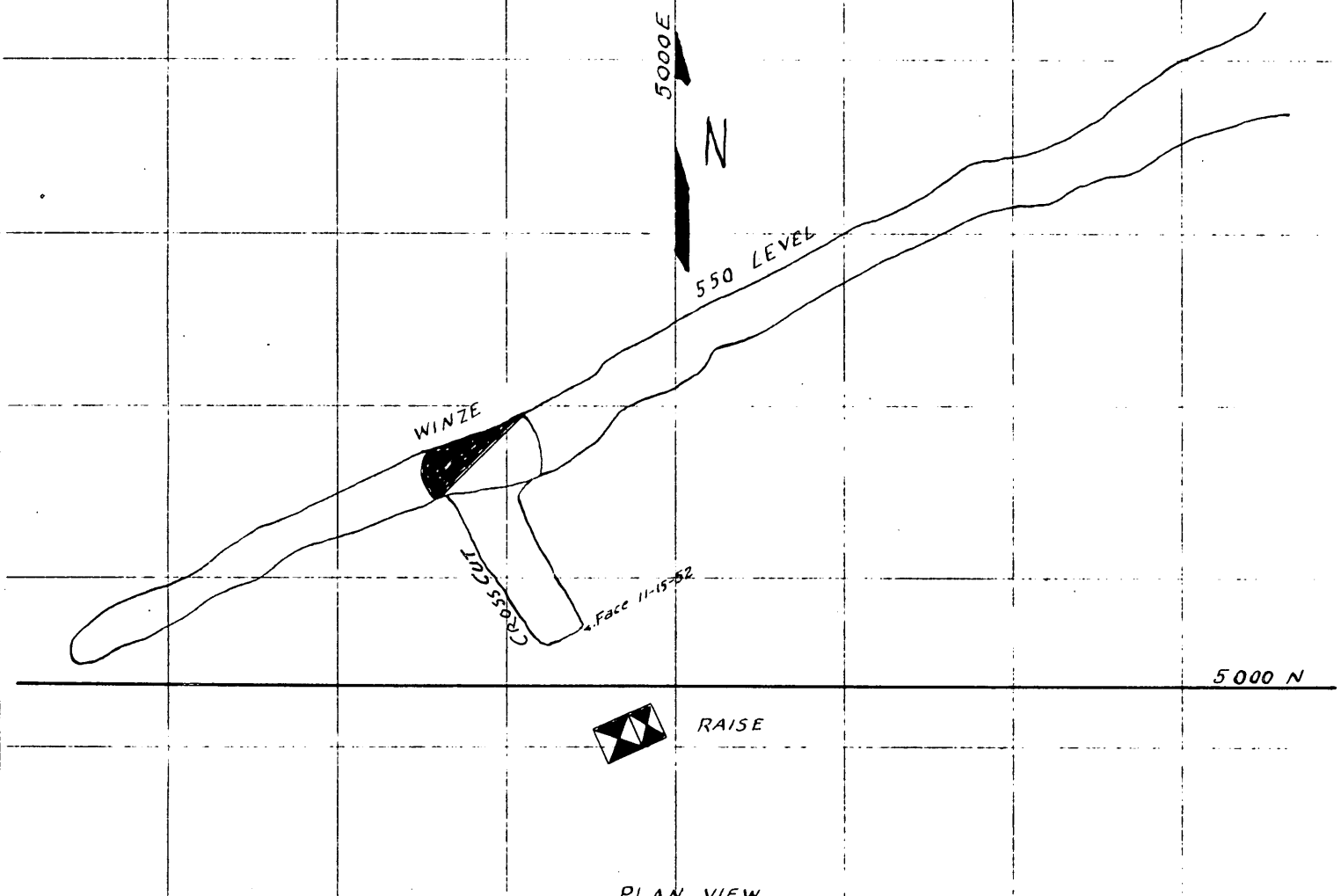
Glenn G. Gentry
Mining Engineer



COMET MINES, INC.
Contract Idm-E295

Shaft section

Scale: 1" = 20'



COMET MINES, inc.
Contract Idm-E295

PLAN
Winze and Raise on 550 Level
Scale: 1" = 20'

"ALBANENE" No. 100M KEUFFEL & ESSER CO.
REGISTERED PAT. OFF.

Form M-1 (Apr. 1952)

Defense Minerals Administration
RECEIVED
JAN 21 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-1036.3.
Approval expires 6-30-53

OPERATOR'S MONTHLY REPORT AND VOUCHER

Keating Daily

Month of November, 1952 Docket No. DMEA 2309 Contract No. Idme 295

Operator's Name Comet Mines Incorporated Minerals Lead-Zinc

Address P. O. Box 150, Salt Lake City 10, Utah

Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	3,589.46	14,641.85	18,231.31			
Supervision	696.09	3,513.21	4,209.30			
Technical Services		199.29	199.29			
(3) Operating Mat'ls. and Supplies:						
Timber	447.27	2,041.79	2,489.06			
Explosives	200.44	646.69	847.13			
Pipe	26.98	294.74	321.72			
Track		30.00	30.00			
Power	94.75	242.52	337.27			
Misc. Tools & Supp.	626.88	1,981.91	2,608.79			
(4) Operating Equipment:						
Rental	155.00	690.00	845.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	169.60	430.27	599.87			
Sampling and Analysis						
Payroll Taxes	42.98	341.86	384.84			
Liability Insurance	312.36	1,278.27	1,590.63			
Pick-up Transportation	95.69	470.33	566.02			
Warehouse, Accounting & General Expense	484.31	1,973.30	2,457.61			
(8) Contingencies (specify):						
TOTALS	6,941.81	28,776.03	35,717.84			

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

Date 12-29-52 *Payee COMET MINES, INC.

Per [signature] Title Treasurer

*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:

$ 3470.90

Signature [signature] A. J. Renner Authorized Certifying Officer (Authorized Certifying Officer)

Date JAN 16 1953 Vou. No. SF-DMEA-31

(See other side)

JAN 16 1953

(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. 1dr-1295 in accordance with the terms of the contract.

Signature A. C. Johnson A. C. Johnson Title Chief, Mining Div., Region III Date January 8, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller H. C. Miller Title Executive Officer DMEA Field Team Region III Date January 9, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

RECEIVED
REGION III
BUREAU OF MINES
DEPARTMENT OF INTERIOR

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 21 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 195 52 Docket No. DMEA 2309 Contract No. Idme 295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City 10, Utah

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	Feet	549.36	14.0	2,896.35	56.0	51.72		
Raising	Feet	4960.24	55.2	26,088.07	217.3	120.05		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
~~Test Pits~~ Station Excavation								
~~Roads and Trails~~ and work								
Preparation to raising	CuFt	1432.21	1275	6,733.42	4497	1.50		
TOTAL DISTRIBUTED COSTS		6941.81		35,717.84				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		6941.81		35,717.84				

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 12-29-52 Operator Comet Mines, Inc.

Per [signature] Title Treasurer

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)

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U. S. GOVERNMENT PRINTING OFFICE 205676

Comet Mines Inc. Operations Report November 1952

December 12, 1952

Paul Gemmill, Vice President, Comet Mines Inc.

E. S. McIntyre, Supt. Comet Mines Inc.

Dear Paul:

At the Comet Mine during November 1952 operations consisted of exploration work approved by the Defense Minerals Exploration Administration.

The raise advancing from the 465 level was driven from sill plus 37.0 feet to sill plus 92.2 feet for a total distance of 55.2 feet. Shaft sets were installed as the raise advanced. The hardness and abrasive nature of the quartzite formation continued to result in adverse drilling conditions and costs. To date Cormant drill steel converted to use with a stoper has given the best results. However, recent drilling has required seven sharpenings to complete a round consisting of 25 holes 5.5 feet in depth.

On the 550 level the cross-cut was advanced 14.0 feet and 1275 cu ft. was excavated for a raise station. At the end of the month additional excavation was necessary for ample room on the station.

Cost of supplies for November was $1,471.17 a substantial increase over the previous month of November. The increased cost is attributed mainly to additional timber purchased and increased amount of drill steel required.

During December 1952 it is proposed to, continue advance in the 465 Raise, complete 550 Raise station and advance the 550 Raise. Before installing station timber on the 550 level it is contemplated to sink for approximately ten feet in preparation of deepening the shaft at a later date.

Yours truly,

E. S. McIntyre

E. S. McIntyre

ESM:zw

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

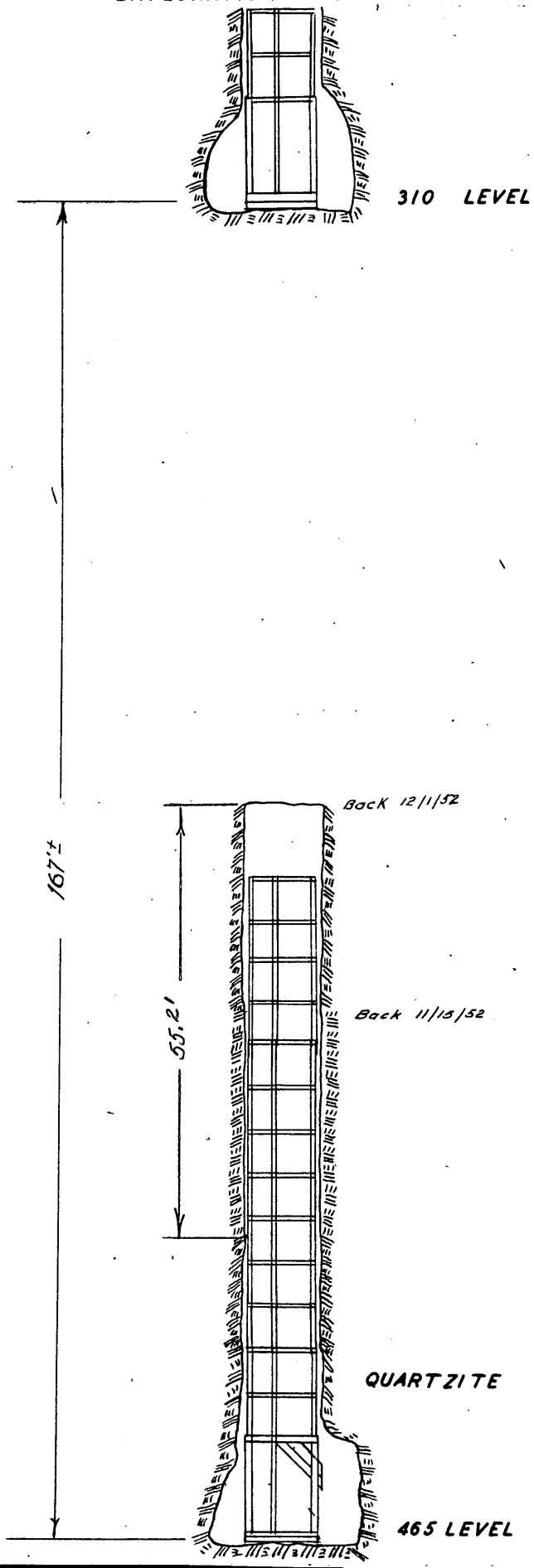
OCT 31, 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



A

REFERENCES

COMBINED METALS REDUCTION CO

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

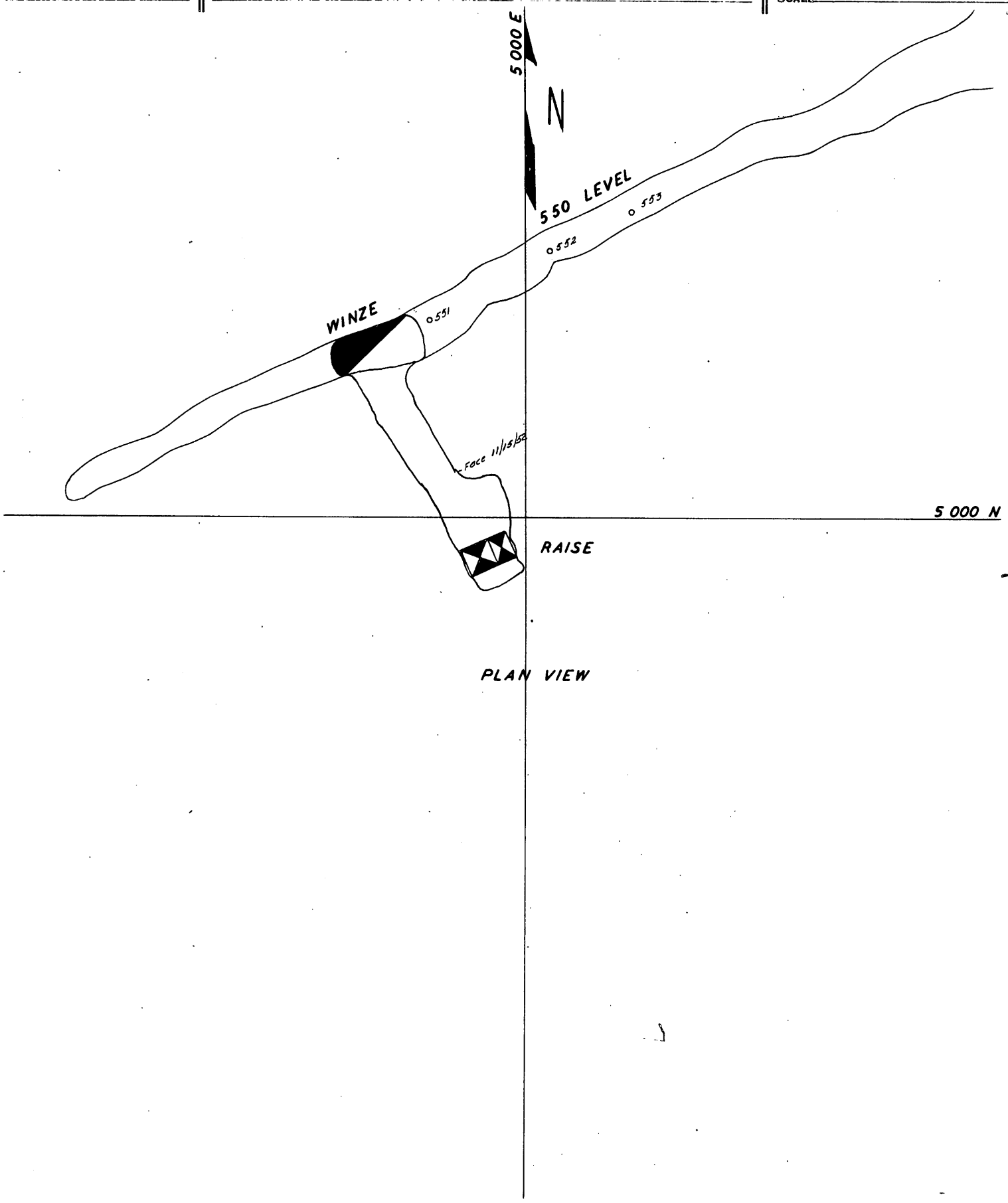
OCT. 30 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



PLAN VIEW

A

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

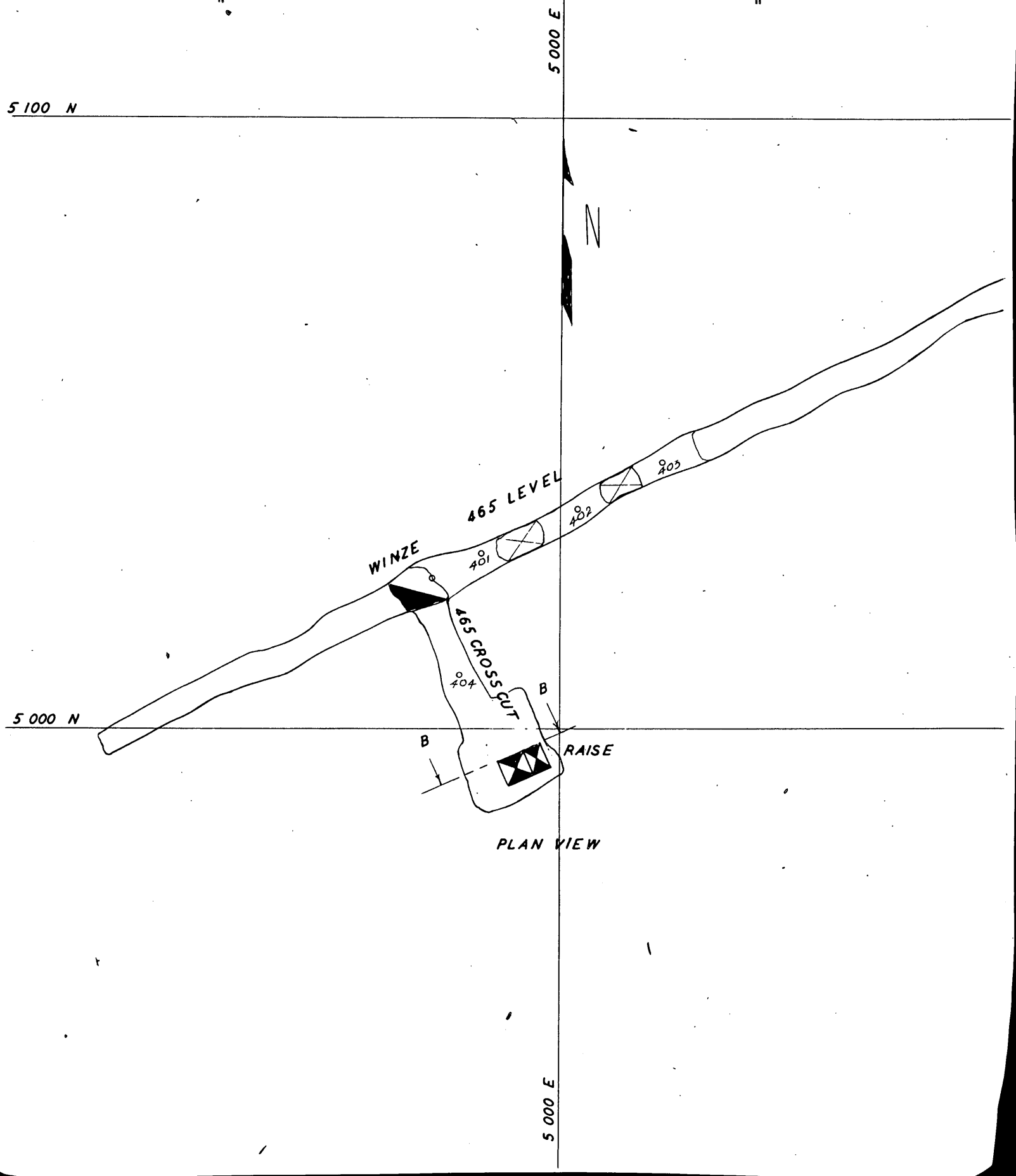
SEPT. 20. 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



PLAN VIEW

Form MF-1-4 (Rev.)
(April-1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
DEC 15 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1952 Docket No. DMEA 2309 Contract No. IDME295
Operator's Name Comet Mines, Incorporated Minerals Lead- Zinc
Address P.O. Box 150, Salt Lake City, Utah
Contract Amount, $190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	3,097.34	11,544.51	14,641.85			
Supervision	915.95	2,597.26	3,513.21			
Technical Services	123.50	75.79	199.29			
(3) Operating Mat'ls. and Supplies:						
Timber	195.04	1,846.75	2,041.79			
Explosives	136.00	510.69	646.69			
Pipe	11.82	282.92	294.74			
Track		30.00	30.00			
Power	58.05	184.47	242.52			
Misc. tools & Supplies	320.15	1,661.76	1,981.91			
(4) Operating Equipment:						
Rental	140.00	550.00	690.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		430.27	430.27			
Sampling and Analysis						
Payroll Taxes	38.26	303.60	341.86			
Liability Insurance	306.88	971.39	1,278.27			
Pick Up Transportation	73.64	396.69	470.33			
(8) Contingencies (specify):						
Warehouse, Accounting, General Exp.	406.25	1,567.05	1,973.30			
TOTALS	$5,822.88	$22,953.15	$28,776.03			

Letter Pending

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

Date November 21, 1952 Payee Comet Mines Inc.

Per [signature] Title Treasurer

*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:

$ 2911.44

A. J. Homer
Authorized Certifying Officer

Signature
(Authorized Certifying Officer)

Date DEC 3 1952 Vou. No. SF-DMEA 28

(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. [illegible] in accordance with the terms of the contract.

Signature [illegible] Title [illegible] Date [illegible]

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title [illegible] Date [illegible]

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-164A
(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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 12 1952

Month of October 195 2 Docket No. DMEA 2309 Contract No. IDMR295
Operator's Name Comet Mines Incorporated Minerals Lead-Zinc
Address P.O. Box 150, Salt Lake City, Utah

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~~	Feet	1474.92	9.0	2,346.99	42.0	55.88		
Crosscutting ~~Drifting~~	Feet	4347.96	29.0	21,127.83	162.10	130.34		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
~~Test Pits~~ Station Excava- ~~Roads and Location~~ tion and work preparation to raising.				5,301.21	3222.00	1.64		
TOTAL DISTRIBUTED COSTS		5822.88		28,776.03				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS		5822.88		28,776.03				

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 November 21, 1952 Operator Comet Mines Inc.

Per [signature] Title Treasurer

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Comet Mines Inc. Operations Report October 1952

November 10, 1952

Paul Gemmill, Vice President, Comet Mines Inc.

E. S. McIntyre, Supt. Comet Mines Inc.

Dear Paul:

Operations at the Comet Mine during October 1952 consisted entirely of exploration work approved by Defense Minerals Exploration Administration.

Guides were installed to the 310 level, a longer hoisting rope was installed on the surface hoist and the vertical shaft was completed for handling men and materials to the 310 level. The ladders in the manway from the 160 level to the 310 level were changed from a vertical position to sloping and platforms constructed to comply with Nevada Safety laws.

On the 465 level the previous broken rock was mucked out and a Raise station constructed with a chute to handle broken rock from the raise. Equipment, consisting of car, track, hoist, skip and ventilating fans, was transported from the 310 level and installed on the 465 level and ventilation, air and water lines were supplied to the face. The raise was advanced from Sill + 8.0 feet to Sill + 37.0 feet a total distance of 29.0 feet. Advance was in quartzite with small shale beds, which continued to be exceedingly abrasive resulting in adverse drilling conditions.

After work was completed on the 310 level preparatory work was started for driving a cross-cut from the Winze to a position for raising from the 550 level to the 465. level. The Winze was cleaned and repaired down to the 550 level, the water in the sump was removed by pumping it into the old 550 stope and the old leading ramp was removed to obtain additional room. A small electric slusher and scraper was brought from the 465 level and installed for transporting broken rock while advancing the cross-cut. The Winze was bulkheaded off to facilitate drilling and mucking, the first cross-cut was then advanced 9.0 feet by the end of the month.

A transit survey was completed from the 465 level to the 550 level to obtain accurate data for advancing the cross-cut, raising and preparing maps of the level.

During November it is proposed to continue advancing the raise on the 465 level, advance the cross-cut on the 550 level and excavate for a raise station. With preparatory work mostly completed increased progress is anticipated during the month of November.

Yours truly,
E. S. McIntyre By J. W.
E. S. McIntyre
Supt. Comet Mines Inc.

ESMw

A

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

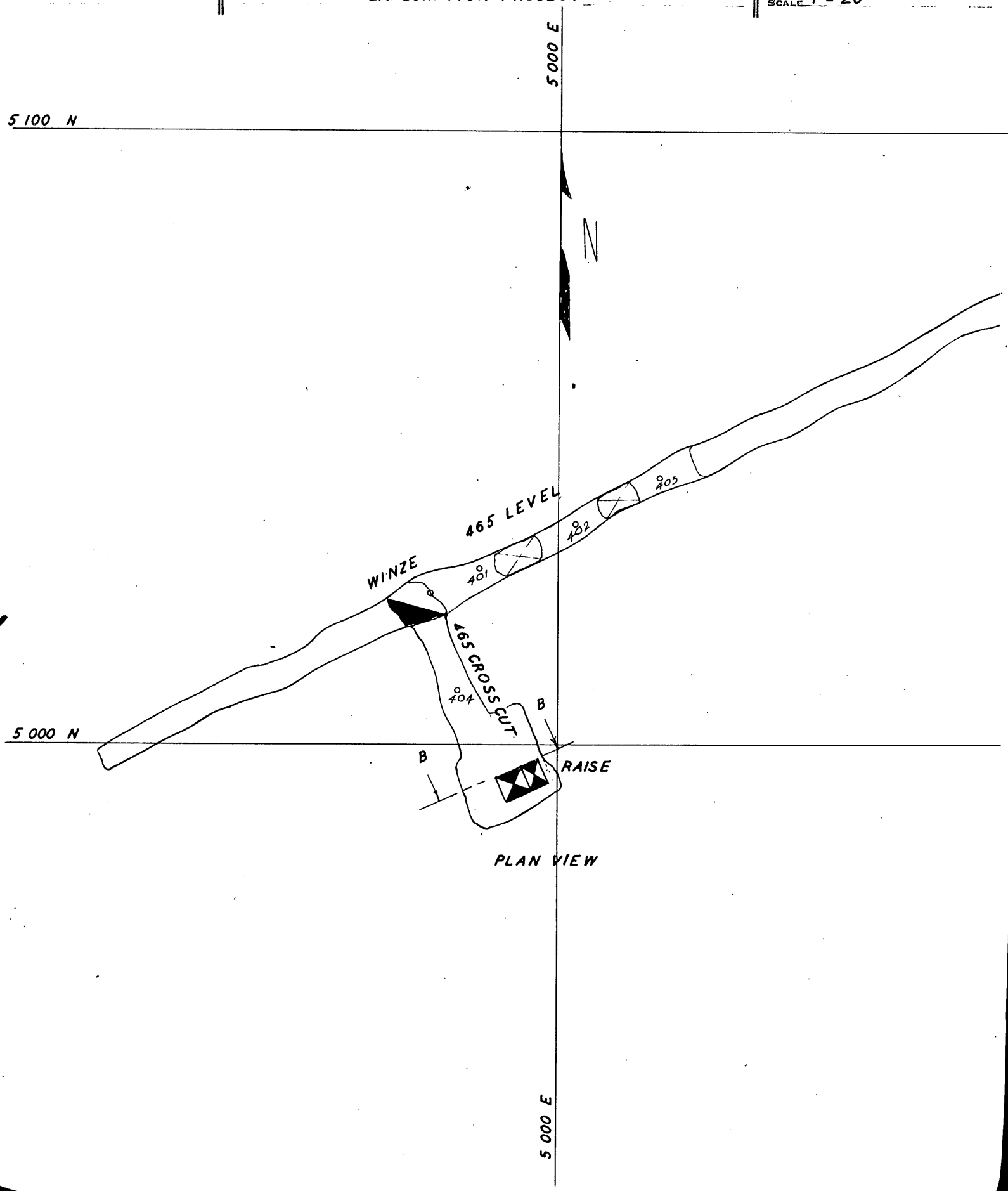
SEPT. 20 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



PLAN VIEW

A

REFERENCES

COMBINED METALS REDUCTION CO

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

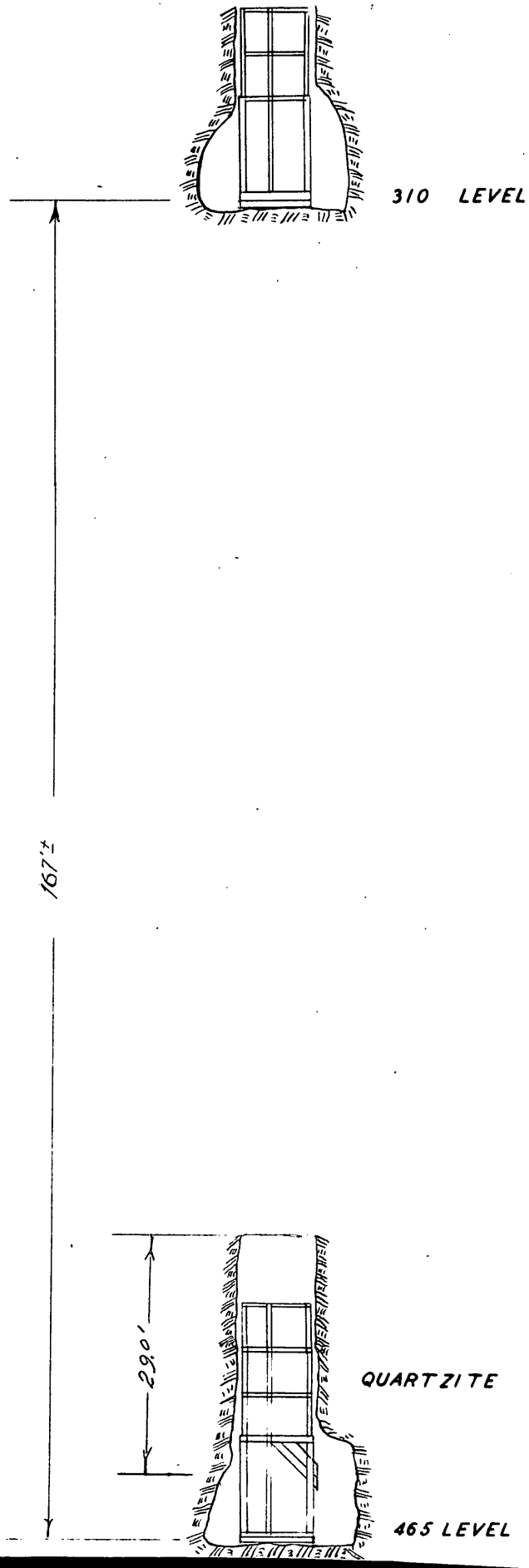
OCT 31 19 52

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'

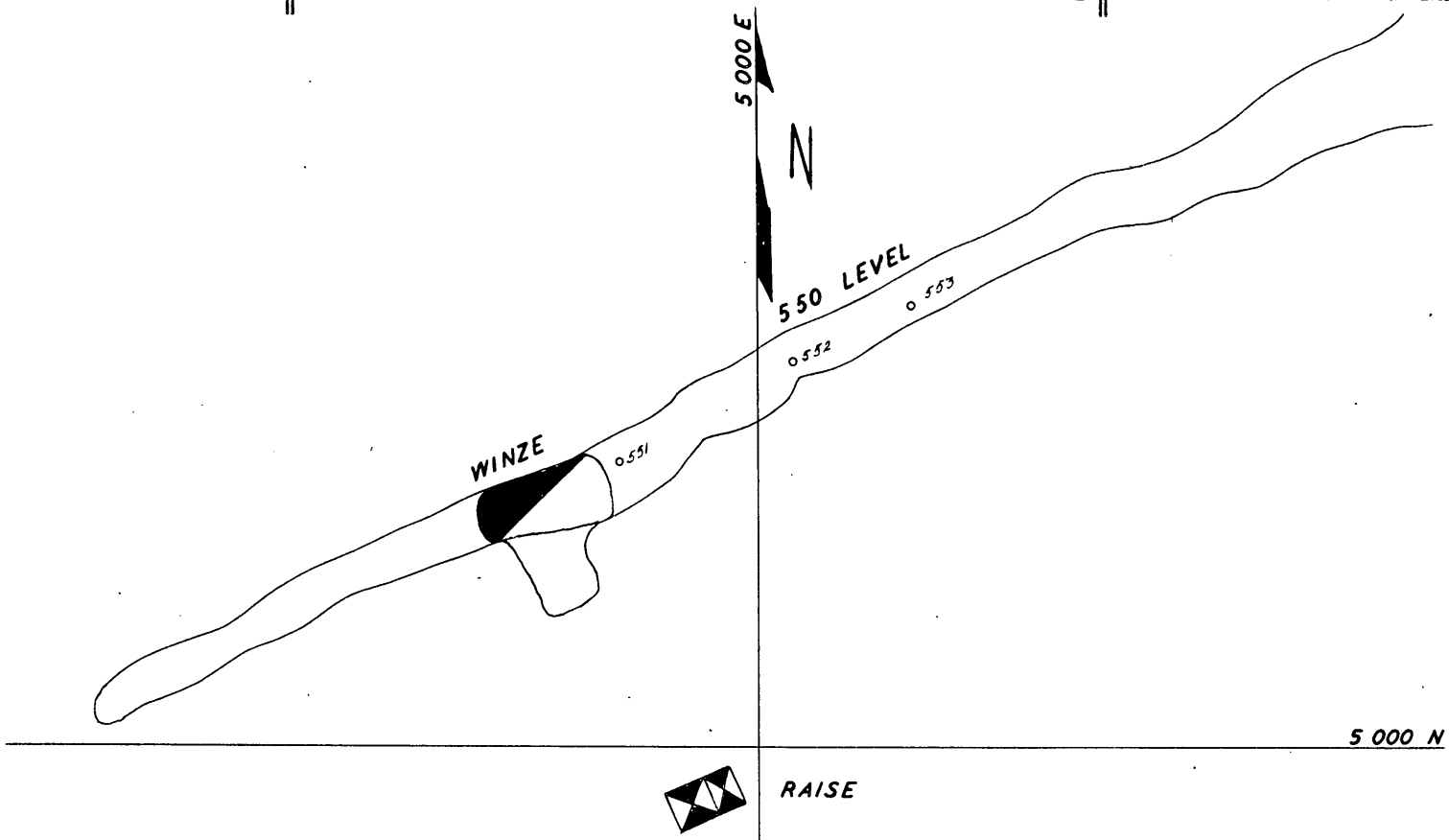


REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

OCT. 30 1952
MADE BY ESM
TRACED BY
CHECKED BY
SCALE 1" = 20'



PLAN VIEW

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 14 1952

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: October 10, 1952

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 2309

Contract Idm-E 295

Commodity Lead & Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln County, Pioche, Nevada

By Glenn G. Gentry

Dated 10/3/52

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (with one copy of report)
E. H. Bailey, USGS (with one copy of report)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 14 1952

INTERIM REPORT

Docket No.: DMEA-2309 (lead and zinc) October 3, 1952

Name and address of operator: Comet Mines, Inc., Pioche, Nev.

Name and location of property: Comet Mine, Lincoln Co., Nev.

Contract No.: Idm-E295

SUMMARY - CONCLUSIONS

The Comet mine was visited on Sept. 27, 1952 for the purpose of inspecting the work being performed under the above exploration contract. Mr. E. S. McIntyre, Mine Supt., accompanied the inspecting engineer over the property.

On Sept. 5, the raise being extended from the 310 level was connected with the bottom of the vertical shaft, and the transit survey showed the alignment of the raise and shaft to be satisfactory. Since the raise connection was made, the crew have been engaged in completing the shaft timbering, salvaging the 3-inch shaft lagging for use in the next raise lift, and installing a new 4-inch compressed air line from the collar of the shaft to the 310 level.

On the 465-foot level, a crosscut has been driven from the old winze to the center line of the proposed shaft and the shaft station has been nearly completed. The shaft, between the 465 level and the 310 level, will be extended by raising from the 465 level.

The broken rock from the raise will be handled through the 465 crosscut and up the winze to the 310 level and thence to the surface through the completed section of the shaft.

The footage advance for the month of September will be small due to timbering in the shaft, installation of the 4-inch pipeline and preparing to raise from the 465-foot level.

RECOMMENDATIONS

None.

STATEMENT OF WORK COMPLETED

Raise from the 310-foot level:

Previously reported	100.45	feet
Advance Aug. 14 to Sept. 5, 1952 . . .	39.65	"
Total	140.10	" (completed)

Shaft timbering:

Previously reported	13	sets
Installed: Aug. 14 to Sept. 27	11	"
Total	24	" (completed)

465-foot level:

Crosscut from winze to center line shaft

Previously reported	None
Advance Aug. 14 to Sept. 27	33 feet (completed)

Shaft station (size 15' x 16' x 12') . . . . Completed.

At the time of the inspection, the remaining work in the shaft, between the 310 level and the 168 level, consisted of: Moving the 1-inch water line from one side of the manway to the opposite side; install cage guides; install ladders in manway side; install one 16-foot length of 4-inch air pipe; remove hoist, track and mine car from the 310 level.

COMMENTS, ETC.

The operating conditions and the efficiency of the operations are considered to be satisfactory.

The management are considering the installation of a larger shaft cage and have the cage on hand adjacent to the collar of the shaft. The size of the new cage will make it necessary to move one of the cage guides a distance of 11 inches, and it may also be necessary to install a larger electric motor on the mine hoist. The new cage will handle a larger mine car and also more men and supplies and therefore should be more economical to operate.

GEOLOGY

There will probably be very little change in the quartzites between the 465 level and the 310 level. A partial stratigraphic section from the north wall of the 465 level station, indicates the following:

2.0 feet	of white, massive, dense quartzite.
0.7 feet	of green, thin bedded, shaly quartzite.
0.4 feet	of white, massive, dense quartzite.
1.5 feet	of green, thin bedded, shaly quartzite.
0.5 feet	of olive brown shale with sandy ribs.
0.2 feet	of white, quartzite rib.
4.0 feet	of alternating thin layers of thin bedded green quartzite and hard, massive white quartzite.
9.3 feet	

SAMPLING

Two samples were taken by the inspecting engineer, as follows:

BM-378 - width 3.3 feet. Across face of North drift off the 465 foot level. The quartz vein in the face of this drift shows considerable lead sulfide mineral.

BM-379 - width 4.9 feet. Across face of North drift off the 550 foot level. This quartz vein shows sulfide mineralization.

The water level is approximately 5.5 feet below the 550 level station and apparently the flow has not increased. A small pump has been installed and has been adequate in size up to the date of inspection.

After the raise from the 465 level has been started, the preparatory work for raising from the 550 level will be continued.

Eight men are employed on one shift and are working 6 days per week. Mr. E. S. McIntyre has been acting full time the past week, as superintendent and mine foreman, as James Hulse, the mine foreman has been engaged in some drilling work at the Caselton shaft for the Combined Metals Reduction Co.

OPERATORS MONTHLY REPORT

Contract amount		$190,000.00
Government participation @ 50%	$95,000.00	
Expenditures for June'52	3,730.75	
" " July	5,857.16	
" " Aug.	7,656.52	
	$17,244.43	17,244.43
	Balance	$172,755.57

Contract dated April 16, 1952	
Contract period	20 months
Expended time	4 "
Balance	16 months

On the basis of the present funds expended, the 140 feet of completed shaft has been finished at the rate of $123.17 per foot.

The new road to the mine has been surfaced with crushed gravel and is presently in good condition. The road will not be oiled until the summer of 1953.

Glenn G. Gentry
Mining Engineer

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1[illegible] OCT 8 AM 8:39

SAN FRANCISCO, CALIFORNIA

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

Budget Bureau No. 42-R1036.3.
Approval Expires 4-30-53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
NOV 12 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 2309 Contract No. Idm E 295
Operator's Name COMET MINES, INCORPORATED Minerals LEAD-ZINC
Address P. O. Box 150, Salt Lake City 10, Utah
Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	3,347.11	8,197.40	11,544.51			
Supervision	558.33	2,038.93	2,597.26			
Technical Services	75.79		75.79			
(3) Operating Mat'ls. and Supplies:						
Timber	167.54	1,679.21	1,846.75			
Explosives	94.57	416.12	510.69			
Pipe	172.49	110.43	282.92			
Track		30.00	30.00			
Power	49.66	134.83	184.47			
Misc. Tools & Supp.	192.08	1,469.68	1,661.76			
(4) Operating Equipment:						
Rental	140.00	410.00	550.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	83.94	346.33	430.27			
Sampling and Analysis						
Payroll Taxes	45.96	257.64	303.60			
Liability Insurance	289.89	681.50	971.39			
Pick-up Transportation	93.10	303.59	396.69			
(8) Contingencies (specify):						
Warehouse, Accounting General Expense	398.28	1,168.77	1,567.05			
TOTALS	5,708.72	17,244.43	22,953.15			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/22/52 *Payee COMET MINES, INC.
Per [signature] Title Treasurer

*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:
$ 2854.36

Signature A. J. Renner
Authorized Certifying Officer
(Authorized Certifying Officer)
Date NOV 5 1952 Vou. No. SF-DMEA-25
(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. [illegible] in accordance with the terms of the contract.

Signature [illegible] Title Chief, [illegible] Date Oct. 30, 1952.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title [illegible] Date Oct. 31, 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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1952 Docket No. DMEA 2309 Contract No. 1dm S 295
Operator's Name Comet Mines, Inc. Minerals Lead-zinc
Address P. O. Box 150, Salt Lake City 10, Utah

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	Feet			872.07	33.0	26.42		
Raising		3,466.08	9.55	16,779.87	133.1	126.07		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
~~Entrance Station Excavation Backcoat/Timbered work preparation to raising~~	cu. ft.	2,242.64	1300	5,301.21	3222.0	1.64		
TOTAL DISTRIBUTED COSTS		5,708.72		22,953.15				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5,708.72		22,953.15				

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 10/22/52 Operator COMET MINES, INC.

Per [signature] Title Treasurer

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

COMET MINES INCORPORATED - OPERATIONS REPORT-SEPTEMBER, 1952

October 9, 1952

Paul Gemmill, Vice President, Comet Mines Inc.

E. S. McIntyre, Supt. Comet Mines Inc.

Dear Paul:

Operations at the Comet mine during September, 1952 consisted entirely of exploration work approved by Defense Minerals Exploration Administration.

The raise being advanced from the 310 level connected with the vertical shaft at the 160 level. Raise advance for the month was from sill + 130.55 feet to break through at sill + 140.10 feet a total advance of 9.55 feet. Shaft sets were installed and connected to the sill timber on the 160 level. The total Raise footage for this heading was 133.10 feet requiring 24 sets of timber, exclusive of station timber and station excavation. After the raise section was completed the broken rock was removed from the skip compartment and transported to the surface. Lagging that had been used for chute linning was salvaged and stored on the 160 level for use in future raises. Air and water lines were hung in the manway side of the shaft from the 160 level to the 310 level. A larger cage, for 4 feet 6 inchs hoisting compartment was installed and progress was being made to complete installation of guides in the new shaft to the 310 level.

On the 465 level a raise station 1,305 cubic feet in size (excluding drift footage) was excavated in preparation of raising from the 465 level to the 310 level. A transit survey was completed to the 465 level to obtain the exact position for raising.

During October 1952 it was proposed to complete the shaft guides to the 310 level and move the raise hoist, mine car and track to the 465 level for handling materials, supplies and transporting broken rock while raising. The 465 Raise station timber will be installed and the raise advanced. After completion of work on the 310 level the winze will be repaired from the 465 level to the 550 level, a bulkhead constructed in the winze and a cross-cut advanced towards a position for raising from the 550 level to the 465 level. Surface water has filled the winze up to 550 level, but is not anticipated to present a problem as the water can be disposed of by pumping it into the east stope on the 550 level

Yours truly,

E. S. McIntyre

E. S. McIntyre

ESM:zw

A

REFERENCES

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

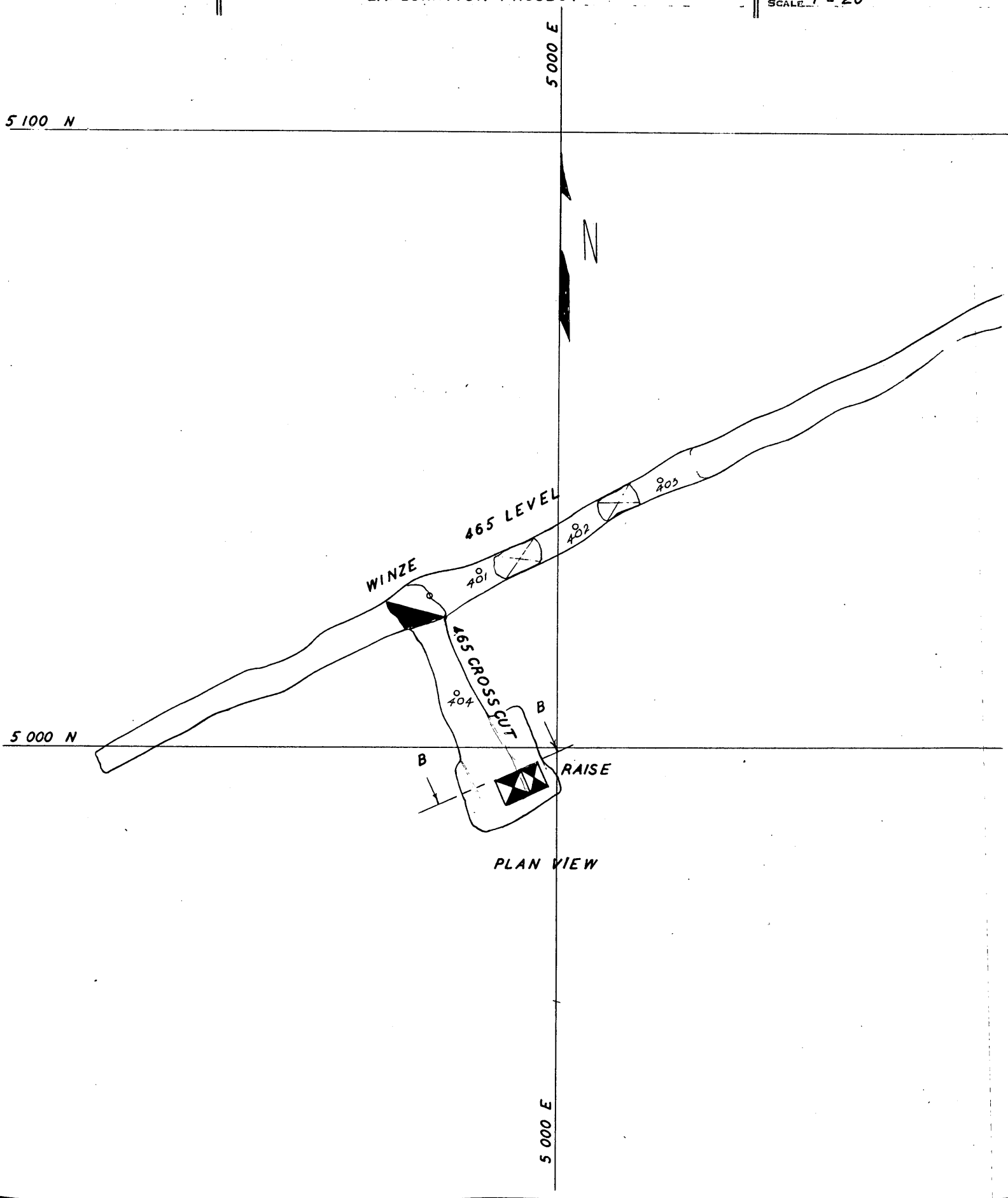
SEPT. 20 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



PLAN VIEW

A

REFERENCES

COMBINED METALS REDUCTION CO

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

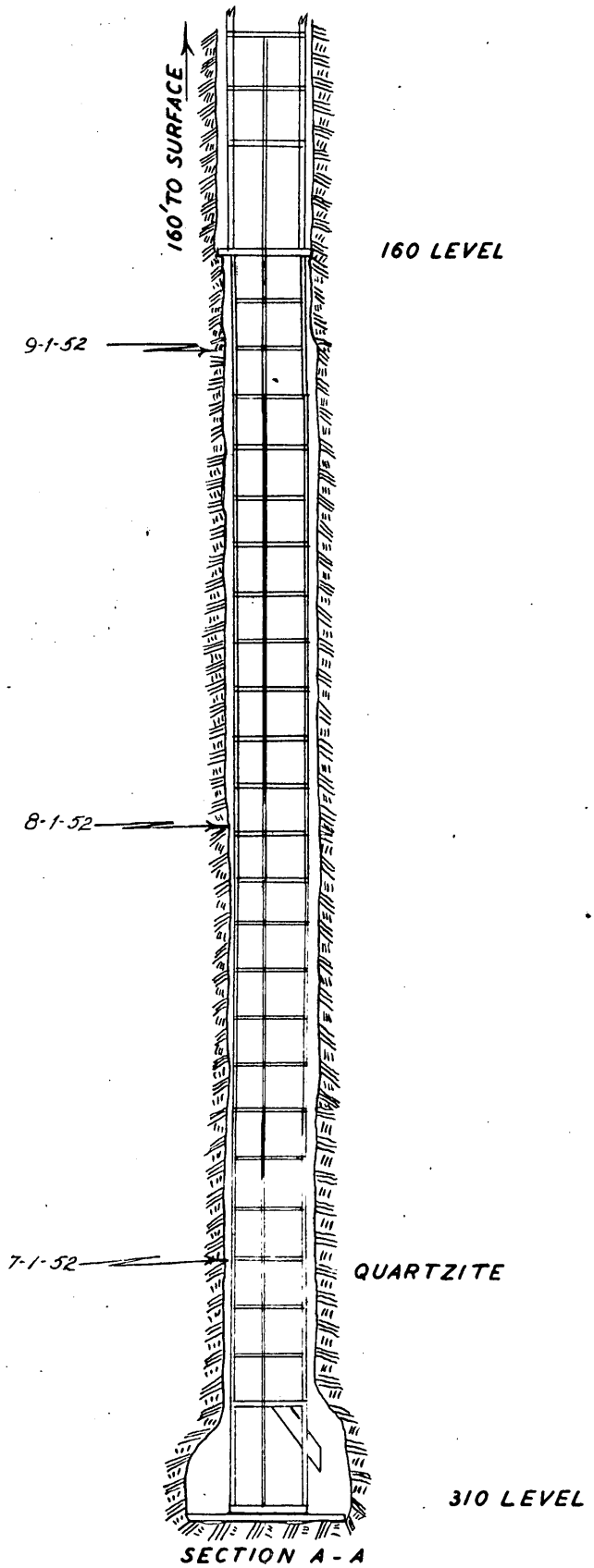
JULY 22 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



SECTION A-A

A

REFERENCED

COMBINED METALS REDUCTION CO.

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

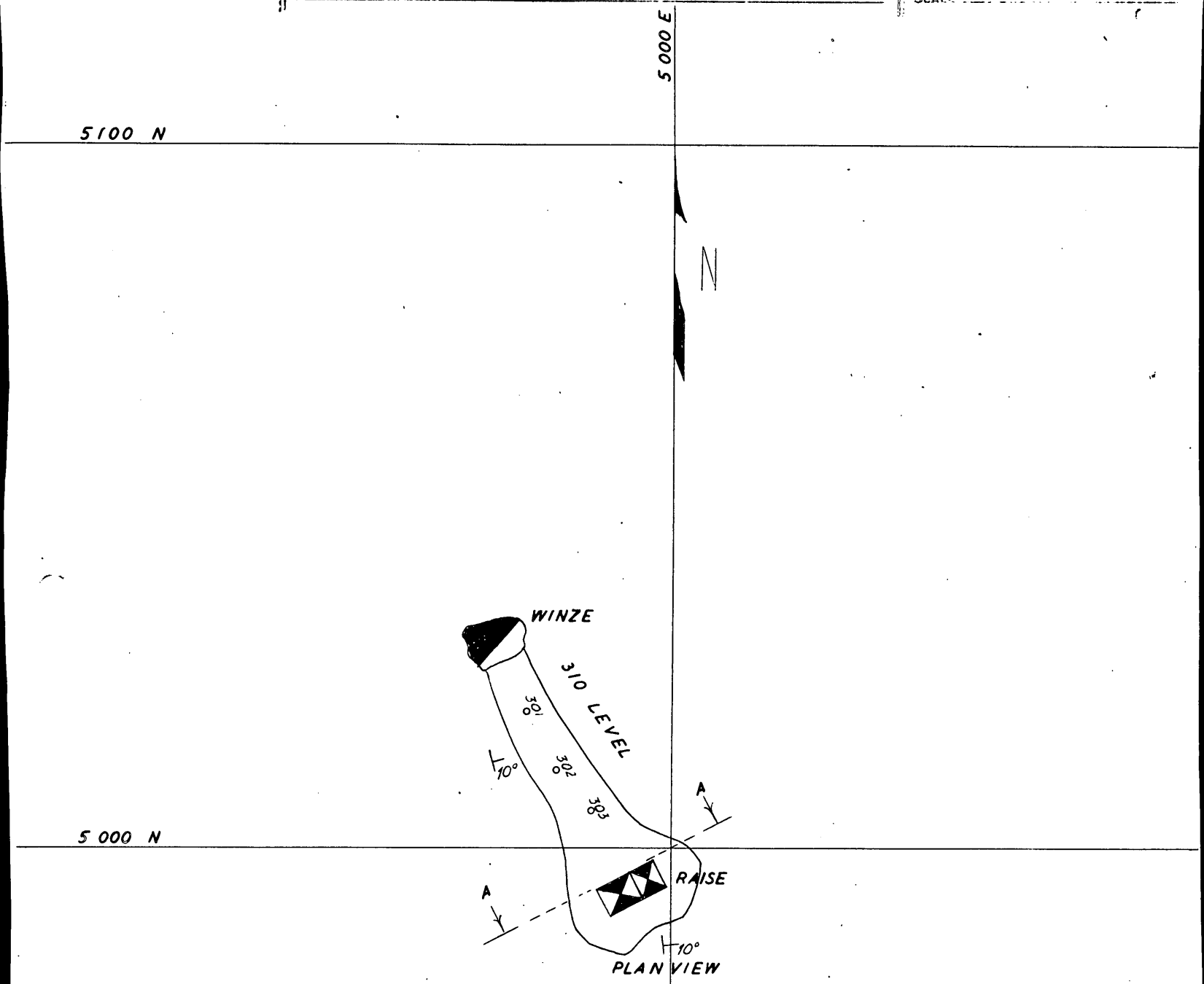
JULY 21 1952

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R0003
Approval expires 6-3-53

RECEIVED
OCT 17 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1952 Docket No. DMEA 2309

Operator's Name COMET MINES, INC. Contract No. IdmE295

Address P. O. Box 150, Salt Lake City 10, Utah Minerals Lead-Zinc

Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	3,708.91	4,488.49	8,197.40			
Supervision	713.95	1,324.98	2,038.93			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	1,024.66	654.55	1,679.21			
Explosives	282.24	133.88	416.12			
Pipe	50.44	59.99	110.43			
Track		30.00	30.00			
Power	52.69	82.14	134.83			
Mine. Tools & Supplies	499.25	970.43	1,469.68			
(4) Operating Equipment:	150.00	260.00	410.00			
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	152.33	194.00	346.33			
Sampling and Analysis						
Payroll Taxes	116.84	140.80	257.64			
Liability Insurance	294.43	387.07	681.50			
Pick-up Transportation	105.28	198.31	303.59			
(8) Contingencies (specify): Warehouse, Accounting, General Expense	505.50	663.27	1,168.77			
TOTALS	7,656.52	9,587.91	17,244.43			

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

Date: 9/20/52 *Payee COMET MINES, INC.

Per [signature] Title Treasurer

*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:

$ 3,828.26

Signature [signature]
(Authorized Certifying Officer)

Date OCT 1 1952 Vou. No. SF-DMEA-17

(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. DMEA-1295 in accordance with the terms of the contract.

Signature R. C. Johnson Title Chief, Mining Div. Region III Date October 3, 1952.

R. C. Johnson

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H.C.Miller Title Executive Officer DMEA Field Team Region III Date Oct. 6, 1952

H.C.Miller

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
Minerals
RECEIVED
OCT 17 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August, 1952 Docket No. DMEA 2309 Contract No. Idm E295
Operator's Name COMET MINES, INC. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City 10, Utah.

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
~~xxxxx~~ Crosscutting	Feet	872.07	33	872.07	33.00	26.42		
~~Drifting~~	Feet							
Crosscutting	Feet	6,377.49	52.5	13,313.79	123.55	107.76		
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
~~xxxxx Station Excavation xxxxxxxxxx and work preparation to Raising~~		406.96		3,058.57				
Total Distributed Costs		7,656.52		17,244.43				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		7,656.52		17,244.43				

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 9/20/52 Operator COMET MINES, INC.

Per [signature] Title Treasurer.

Remarks:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

COMET MINES INCORPORATED - OPERATIONS REPORT AUGUST 1952

September 8, 1952

Paul Gemmill, Vice-President, Comet Mines Inc.

E. S. McIntyre, Supt., Comet Mines Inc.

Dear Paul:

Comet Mine operation during August 1952 was entirely exploration work approved by Defense Minerals Exploration Administration.

Advance in the raise from the 310 level was from sill + 78.05 feet to sill + 130.55 feet, a total advance of 52.50 feet. Shaft sets were installed as the raise advanced with manway, air and water lines, and ventilation supplied to the face. On the 465 level a chute was built in the winze, and a slusher and scraper were installed for transporting the broken rock to the winze bucket. A crosscut was then advanced 33.0 feet from the winze to a required location for excavating a raise station prior to raising from the 465 level toward the 310 level. This heading was not worked continuously during the month as priority was given to the 310 heading and the crew adjusted accordingly to offset absenteeism, vacations and maintenance work.

The abrasive nature of the quartzite continued to present a drilling problem, but was practically overcome by use of Coromant drill steel, which drilled sufficient footage of hole to reduce the cost from that experienced during July.

The increased costs of supplies in comparison with July resulted from additional timber purchased, and charges for ladder stock which was furnished during June and July, but not charged until this period. The additional timber purchased was still in inventory for use during September advance. Timber costs will decrease after completion of the first raise as lagging used for chute linings will be salvaged and installed while advancing the other raises.

During September 1952 the 310 Raise will connect with the shaft on the 160 level. The chute section of the raise will be connected to a hoisting compartment and the manway completed to specifications of the Nevada Mining Laws for shafts. On the 465 level progress will consist of excavating a station, installing station timber with chute, and track for transporting waste to the winze. Raise advance is contemplated the latter part of the month. After completion of the shaft from the 160 level to the 310 level preparatory work will be started for crosscutting and raising from the 550 level.

Yours truly

E. S. McIntyre

E. S. McIntyre
Supt. Comet Mines Inc.

ESM;ah

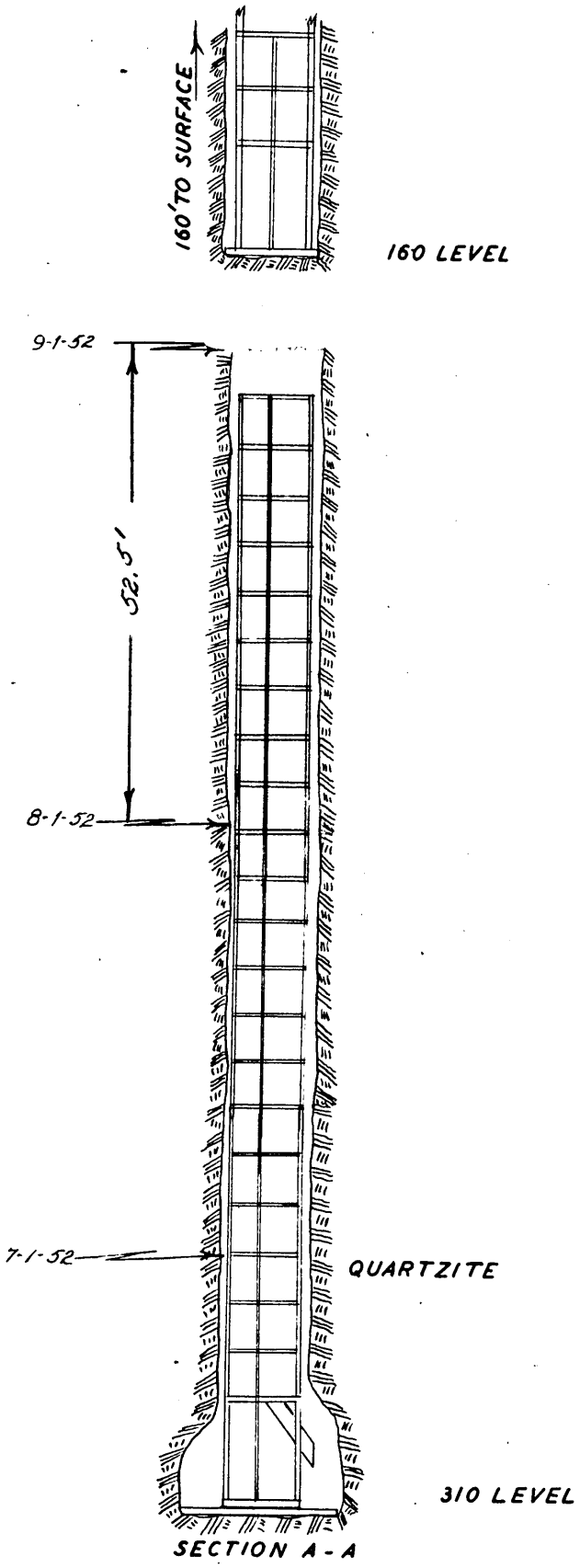
A

REFERENCES

COMBINED METALS REDUCTION CO

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

JULY 22
MADE BY ESM
TRACED BY
CHECKED BY
SCALE 1" = 20'



SECTION A-A

A

REFERENCES

COMBINED METALS REDUCTION CO

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT

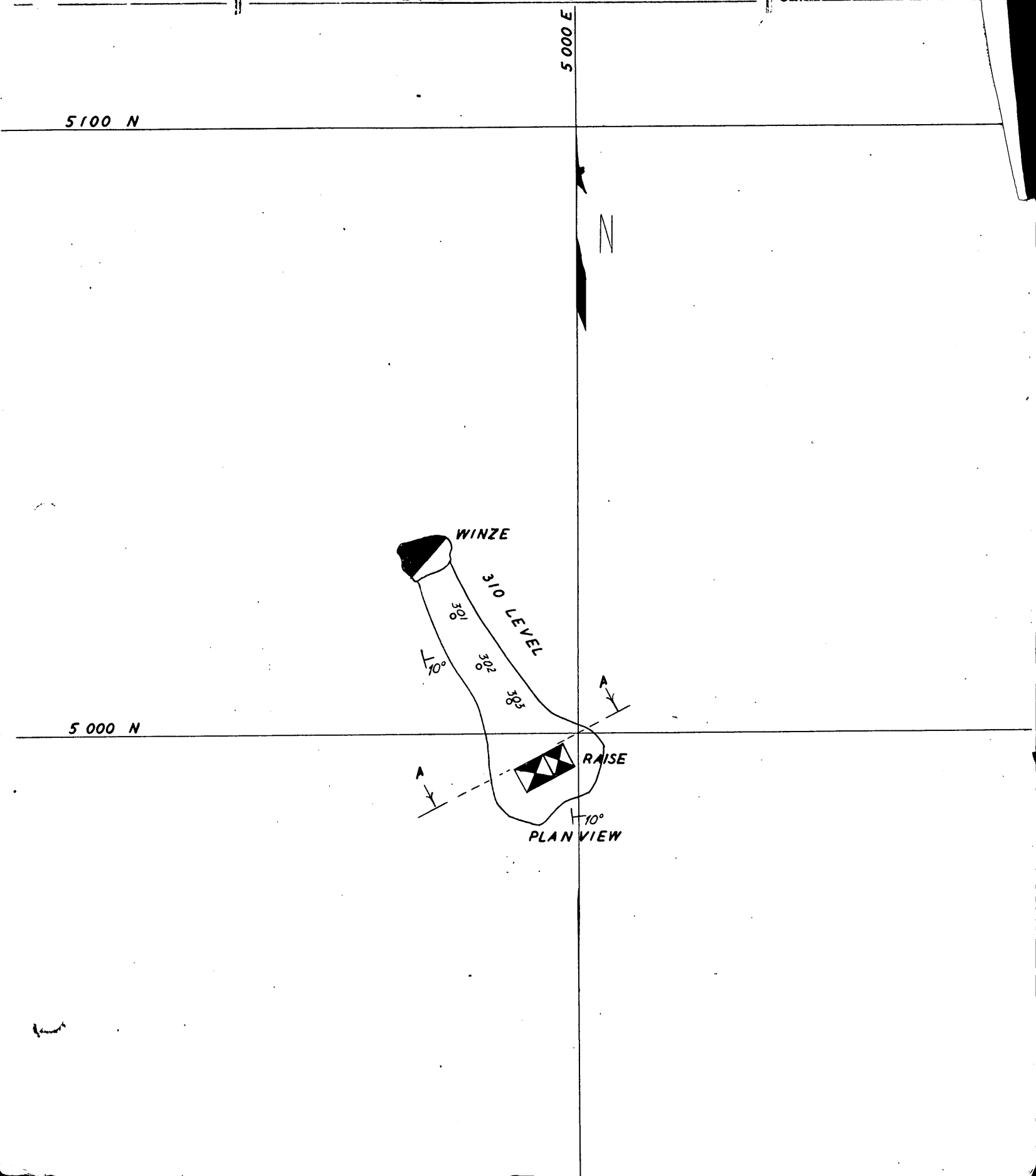
JULY 21

MADE BY ESM

TRACED BY

CHECKED BY

SCALE 1" = 20'



UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: August 27, 1952

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 2309

Contract Idm-E 295

Commodity Lead & Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine, Lincoln County, Nevada

By Glenn G. Gentry, Mining Engr.

Dated August 22, 1952

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Finance Officer, Region III (with one copy of report)
E. H. Bailey, USGS (with one copy of report)

INTERIM REPORT

Docket No. DMEA-2309 (lead and zinc) August 22, 1952

Name and address of operator: Comet Mines, Inc., Pioche, Nev.

Name and location of property: Comet Mine, Lincoln County, Nev.

Contract No. Idm-E295

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The Comet mine was visited on August 14, 1952 for the purpose of inspecting the work being performed under the above exploration contract. Mr. James Hulse, Mine Foreman for the Comet Mine, accompanied the engineer during the inspection as Mr. E. S. McIntyre, the Mine Superintendent, was unable to make the trip due to a prior committment.

The applicant is working one shift and is extending the raise from the 310 foot level to connect with the bottom of the present vertical shaft, and is preparing to start work on the 465 foot level. This latter work, started on August 6, will consist of driving a crosscut to the proposed location of the new vertical shaft, excavating the shaft station and raising the shaft from the 465 foot level to connect with the present bottom of the shaft on the 310 foot level.

The survey between the 310 foot level and the 465 foot level had not been made at the time of the inspection. However, a transit survey is to be made by Mr. E. S. McIntyre prior to starting the crosscut from the 465 foot level.

In the raise between the 310 foot level and the bottom of the vertical shaft on the 168 foot level, the 3-inch lagging is placed inside the shaft sets. When the raise is completed, this lagging will be removed and transferred to the 465 foot level for use between that

location and the 310 foot level.

Conclusions:

The progress, while somewhat slow, has been satisfactory when taking into consideration the fact that only one shift consisting of two miners has been employed in actually extending the raise. The broken rock from a raise round has to be handled three times between the raise and the dump.

The work in the raise and the installation of the shaft timbering are being done in a satisfactory manner.

Recommendations:

None.

STATEMENT OF WORK COMPLETED

Raise from the 310 foot level.

Previously reported	44.9 feet
Advance: July 16 to Aug. 14, 1952 . .	55.55 "
Total	100.45 "

Shaft timbering.

Previously reported	5 sets
Installed: July 16 to Aug. 14, 1952	8 "
Total	13 "

A raise round usually consists of 26 to 27 drill holes, drilled to a depth of 5.5 feet. The drill holes are loaded with 45 percent dynamite and blasted by means of No. 8 blasting detonators. The fuse to the blasting caps is cut to 10 feet lengths. Rock breakage from a raise round will average approximately 30 cars and is handled through the old shaft by means of a skip bucket estimated to have a capacity of 1500 pounds.

Drilling and blasting in the raise requires from 5 to 6 hours on one day and the following day is spent in removing the broken rock and the installation of shaft timber sets and lagging. This raise should be completed by the 15th of September.

465-foot level crosscut.

Previously reported	None
Advance: July 16 to Aug. 14, 1952	"

Electric power lines, pipe for compressed air, water pipe and ventilation pipe installations have been made and it will not be necessary to enlarge the station at the old shaft.

A double-drum Ingersoll Rand slusher, powered by a 5-horsepower electric motor has been installed for use in driving the crosscut to the center line of the proposed, new, vertical shaft.

Drilling in this crosscut will be performed by a Gardner-Denver Co. Model D89, automatic feed, drifter drill. This is a 3½ inch machine and will be mounted on a column and arm.

COMMENTS, ETC.

The operating conditions and the efficiency of operations are considered to be satisfactory.

Operator's Monthly Report:

Contract amount	$190,000.00
Govt. participation @ 50% = $95,000.	
Expenditures for June, 1952	3,730.75
Balance	$186,269.25

Cost of raise = $1,464.54
Cost per foot = 68.12

GEOLOGY

There has been no change in the character of the quartzite material in the raise above the 510 foot level. This same quartzite is expected

to be encountered in extending the raise above the 465 level. No mineralization has been observed in the raise.

SAMPLING

None.

OTHER INFORMATION

Compressed air: The crosscut from the 465 level and the raise above the 310 level will be drilled simultaneously and consequently, during that period, it will be necessary to operate both compressors. This will result in an increased cost for electrical energy, compressor oil, etc.

In order to speed up handling and dumping muck cars on the surface, when mucking from two headings, it may be advisable and necessary to add a top man.

The new automobile road being extended to the mine by the Nevada State Highway Department, will soon be ready for the crushed gravel surfacing. A crushing and screening plant has been erected by the contractors and has already produced a considerable amount of this surfacing material. Additional mechanical equipment and dump trucks have also been provided. The Highway Department and the contractor's hope to have an oiled surfacing on the road before cold weather begins.

Glenn G. Gentry
Mining Engineer

INTERIM REPORT

Docket No. DMEA-2309 (lead and zinc) August 22, 1952

Name and address of operator: Comet Mines, Inc., Pioche, Nev.

Name and location of property: Comet Mine, Lincoln County, Nev.

Contract No. Idm-8295

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The Comet mine was visited on August 14, 1952 for the purpose of inspecting the work being performed under the above exploration contract. Mr. James Hulse, Mine Foreman for the Comet Mine, accompanied the engineer during the inspection as Mr. E. S. McIntyre, the Mine Superintendent, was unable to make the trip due to a prior committment.

The applicant is working one shift and is extending the raise from the 310 foot level to connect with the bottom of the present vertical shaft, and is preparing to start work on the 465 foot level. This latter work, started on August 6, will consist of driving a crosscut to the proposed location of the new vertical shaft, excavating the shaft station and raising the shaft from the 465 foot level to connect with the present bottom of the shaft on the 310 foot level.

The survey between the 310 foot level and the 465 foot level had not been made at the time of the inspection. However, a transit survey is to be made by Mr. E. S. McIntyre prior to starting the crosscut from the 465 foot level.

In the raise between the 310 foot level and the bottom of the vertical shaft on the 188 foot level, the 3-inch lagging is placed inside the shaft sets. When the raise is completed, this lagging will be removed and transferred to the 465 foot level for use between that

location and the 310 foot level.

Conclusions:

The progress, while somewhat slow, has been satisfactory when taking into consideration the fact that only one shift consisting of two miners has been employed in actually extending the raise. The broken rock from a raise round has to be handled three times between the raise and the dump.

The work in the raise and the installation of the shaft timbering are being done in a satisfactory manner.

Recommendations:

None.

STATEMENT OF WORK COMPLETED

Raise from the 310 foot level.

Previously reported	44.9 feet
Advance: July 16 to Aug. 14, 1952 . .	55.55 "
Total	100.45 "

Shaft timbering.

Previously reported	5 sets
Installed: July 16 to Aug. 14, 1952	8 "
Total	13 "

A raise round usually consists of 26 to 27 drill holes, drilled to a depth of 5.5 feet. The drill holes are loaded with 45 percent dynamite and blasted by means of No. 8 blasting detonators. The fuse to the blasting caps is cut to 10 feet lengths. Rock breakage from a raise round will average approximately 30 cars and is handled through the old shaft by means of a skip bucket estimated to have a capacity of 1500 pounds.

Drilling and blasting in the raise requires from 5 to 6 hours on one day and the following day is spent in removing the broken rock and the installation of shaft timber sets and lagging. This raise should be completed by the 15th of September.

465-foot level crosscut.

Previously reported	None
Advance: July 16 to Aug. 14, 1952	"

Electric power lines, pipe for compressed air, water pipe and ventilation pipe installations have been made and it will not be necessary to enlarge the station at the old shaft.

A double-drum Ingersoll Rand slusher, powered by a 5-horsepower electric motor has been installed for use in driving the crosscut to the center line of the proposed, new, vertical shaft.

Drilling in this crosscut will be performed by a Gardner-Denver Co. Model D89, automatic feed, drifter drill. This is a 3½ inch machine and will be mounted on a column and arm.

COMMENTS, ETC.

The operating conditions and the efficiency of operations are considered to be satisfactory.

Operator's Monthly Report:

Contract amount	$190,000.00
Govt. participation @ 50% = $95,000.	
Expenditures for June, 1952	3,730.75
Balance	$186,269.25

Cost of raise = $1,464.54
Cost per foot = 68.12

GEOLOGY

There has been no change in the character of the quartzite material in the raise above the 310 foot level. This same quartzite is expected

to be encountered in extending the raise above the 465 level. No mineralization has been observed in the raise.

SAMPLING

None.

OTHER INFORMATION

Compressed air: The crosscut from the 465 level and the raise above the 310 level will be drilled simultaneously and consequently, during that period, it will be necessary to operate both compressors. This will result in an increased cost for electrical energy, compressor oil, etc.

In order to speed up handling and dumping muck cars on the surface, when mucking from two headings, it may be advisable and necessary to add a top man.

The new automobile road being extended to the mine by the Nevada State Highway Department, will soon be ready for the crushed gravel surfacing. A crushing and screening plant has been erected by the contractors and has already produced a considerable amount of this surfacing material. Additional mechanical equipment and dump trucks have also been provided. The Highway Department and the contractor's hope to have an oiled surfacing on the road before cold weather begins.

Glenn G. Gentry
Mining Engineer

Keller

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Date: August 11, 1952

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 2309X

Contract Idn-E 295

Commodity Lead-Zinc

Operator - Comet Mines, Inc.

Property - Comet Mine
Lincoln County, Nevada
Pioche, Nevada

By Glenn G. Gentry

Dated August 6, 1952

H. C. Miller
Executive Officer
DMEA Field Team, Region III

File.

Attachment

Copy to: Finance Officer, Region III (with one copy of report)
E. H. Bailey, USGS (with one copy of report)

August 6, 1952

INTERIM REPORT

Docket No. DMEA-2309X (lead-zinc)

Name and address of operator: Comet Mines, Inc.
Pioche, Nevada

Name and location of property: Comet Mine
Lincoln County, Nevada
26.9 miles, via road, southwest of
Pioche, Nevada

Contract No. Idm-E295

SUMMARY AND CONCLUSIONS

The Comet Mine was inspected on July 16, 1952, in order to determine the progress and character of the work being performed under the above contract agreement. The inspecting engineer was accompanied by Mr. E. S. McIntyre, superintendent of the exploration program for Comet Mines, Inc.

The work presently being performed, consists of raising a vertical 1½ compartment shaft from the 310 foot level to connect with the original vertical shaft which had reached a depth of 168 feet. Refer to attached drawing.

A crew of 6 men are employed, working on a day shift and for a 6 day week. Mr. E. S. McIntyre, the superintendent, devotes about 3 days time per week to the project, thereby making a total of 7 men employed.

The mining company are considering the addition of another mining crew of 5 to 6 men and starting another shaft raise from the 500 foot level to connect with the 310 foot level. This additional crew would expedite the work with no increase in supervision or overhead cost.

All timbers used in the shaft are square timbers, cut to length at the Caselton plant of Combined Metals Reduction Company and hauled from there to the Comet Mine by means of a Pickup truck.

The mining company are also considering the removal of the present old, timber headframe and replacing it with a steel headframe which they have on hand at another property.

In driving the shaft raise every effort is being made to keep the overbreak at a minimum amount and the installation of the timber sets has been done in a satisfactory manner.

RECOMMENDATIONS

None

STATEMENT OF WORK COMPLETED

Exhibit "A" attached to the contract, states as follows:

"Item 1 Repair of existing facilities and equipping present vertical shaft with necessary operating facilities.

"Item 2 Reaming present vertical shaft to present bottom (168 feet below collar) to provide 1½ compartments.

"None of the cost required to complete the performance of work stated in items 1 and 2 above shall be charged to the project as cost to which the Government will contribute."

The work under items 1 and 2 has been completed.

Work under the exploration contract started on June 1, 1952 and has consisted of enlarging the raise station on the 310 level to its present size of 18.5 feet in length by 13 feet wide by 12 feet high, advancing the raise a total of 44.9 feet above the sill level, the installation of station timbers and 5 sets of shaft sets.

The shaft excavation is approximately 9'6" in length x 6'6"

in width. Shaft timber sets are cut to 8'6" length x 5'6" in width.

A raise round varies somewhat according to the nature of the rock, but usually consists of from 18 to 20 holes, drilled to a depth of 6 feet. The miners usually install shaft timbering on one day and then drill and blast the following day.

James Hulse, who has a very excellent record of mining experience, is in direct charge of all operations and is on the job at all times.

PROGRESS * General

The progress, at least at the time of the inspection, appears to have been satisfactory. No unusual conditions were observed and the operating conditions and efficiency of operations are as good as could be expected for this type of a job. The operator's first Monthly Report has been found to be in order.

The raise is being extended through a fine grained and very hard quartzite. No mineralization has been noted and no ore has been encountered. No samples were taken by the inspecting engineer.

OTHER INFORMATION

The mine crew consists of:

1 Superintendent - part time
1 Mine Foreman
2 Hoisting Engineers (1 - 1st class license
(1 - 2nd class license
2 Miners
1 Miner-hoistman-trammer
7

Equipment in use for which rental is charged:

2 Stopers - IR48 No.593412) Using 1" Quarter Oct.
No.521090) Steel

1 IR Air Compressor-Type 10B-No.30062 PP and No. 30063PP - about 300 cfm capacity. Flat belt drive from G E Co. electric motor-440V, Serial No. 850725. No HP rating given on name plate. 2nd hand but appears in good operating condition.

1 Fairbanks Morse Air Compressor, 160 cfm. Horizontal type. Driven by 4 Vee belts from electric motor. No numbers on compressor or motor. This machine is used as a stand by compressor. The condition of the compressor is reported as fair and the electric motor is reported to be good.

2 Mine Cars - 16 cu. ft. capacity - iron body - end dump - 18" track Ga. 2nd hand - fair condition.

The mucking machine and locomotive will not be purchased or rented until they are required.

A new automobile and truck road is being extended to the mine. The work being done by the Nevada State Highway Department with Wells Cargo, Inc. of Reno, Nevada, as the contractor. Two D-8 cats and one motor patrol are being used with another D-8 cat to be added immediately. The contractor has about 2 miles of road to finish and the work should be completed about the first part of September.

Water for the mine and domestic use is obtained from springs adjacent to the property and delivered by means of a pipe line to a storage tank at the mine.

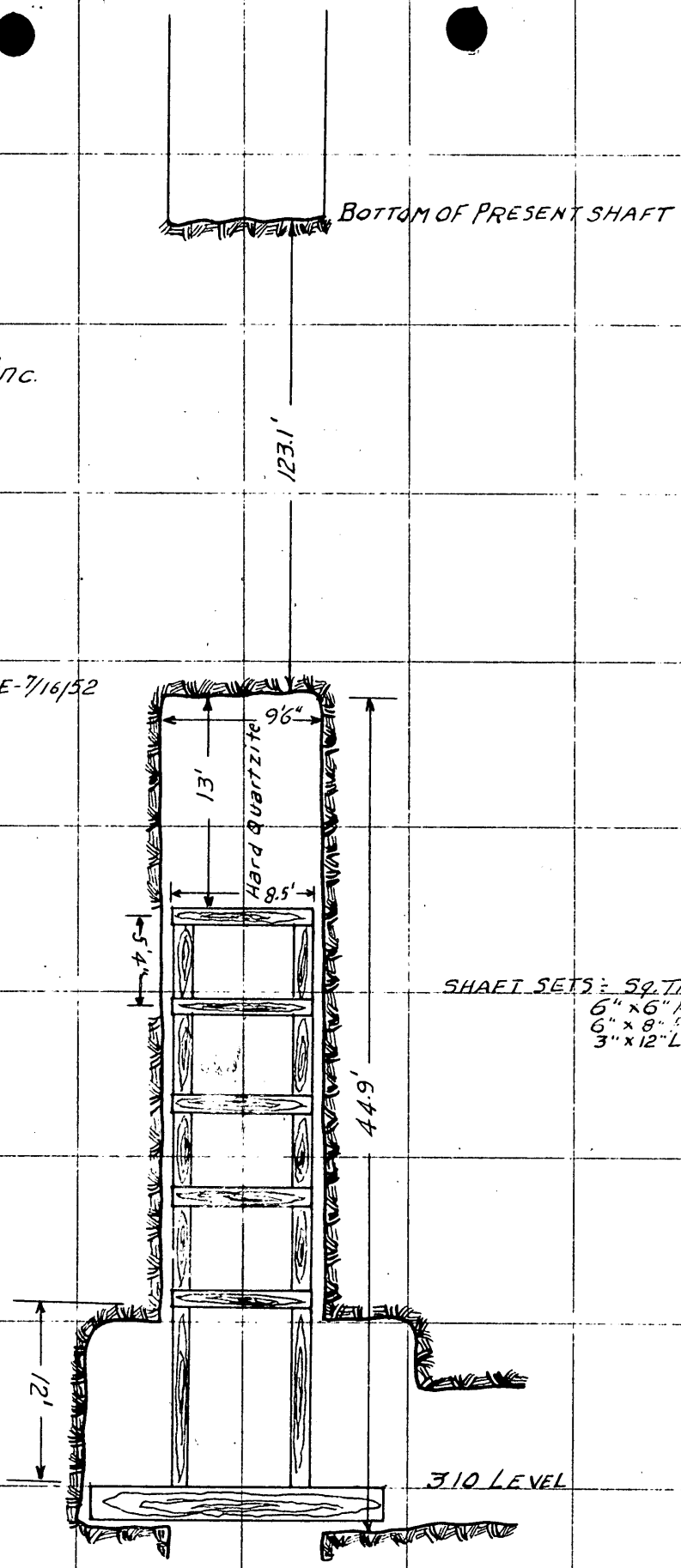
Electric power is obtained from a high tension power line which had been installed several years ago by Combined Metals Reduction Company. This power line includes adequate transformer capacity.

One of the miners lives at the property and the others including the mine foreman, maintain their residence at Caselton.

Glenn G. Gentry
Mining Engineer.

COMET MINES, inc.

Idm E-295



VERTICAL SECTION-SHAFT

"ALBANENE" NO. 150M H&E CO., N.Y.
REG. U.S. PAT. OFF.

Collar and Headframe of Comet Shaft
E.S.McIntyre,Supt.

General view of surface installations at Comet Shaft.
Building in background houses Hoist,Compressor and shop

Form DMEA 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

SEP 15 1952

Month of July, 1952 Docket No. DMEA 2309 Contract No. Idm 5295

Operator's Name Comet Mines, Inc. Minerals Lead - Zinc

Address P. O. Box 150, Salt Lake City 10, Utah

Contract Amount, $ 190,000.00 Government Participation: 50 % Amount, $ 95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	2,319.73	1,668.76	4,488.49			
Supervision	662.50	662.48	1,324.98			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	498.35	156.20	654.55			
Explosives	92.23	40.65	133.88			
Pipe	22.46	37.53	59.99			
Powder		30.00	30.00			
Misc. Tools & Supplies	47.55	34.59	82.14			
	672.03	298.40	970.43			
(4) Operating Equipment:						
Rental	130.00	130.00	260.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	84.80	109.20	194.00			
Sampling and Analysis						
Payroll Taxes	90.50	50.30	140.80			
Liability Insurance	227.17	159.90	387.07			
Pickup Transportation	102.20	96.11	198.31			
(8) ~~Contingencies (specify)~~ General Expense	408.64	254.63	663.27			
TOTALS	5,657.16	3,730.75	9,387.91			

I certify that the above bill is correct and just and that payment therefor has not been received. Date 9/26/52 *Payee COMET MINES, INC.

Per [signature] Title Treasurer

*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:

$ 2928.58

Lloyd L. Norvell

Signature [signature] Authorized Certifying Officer (Authorized Certifying Officer)

Date SEP 9 1952 Vou. No. SF-DMEA-13

(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. Idn-1295 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div., Region III Date September 3, 1952.

A. C. Johnson

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer & Field Team Region III Date Sept. 4, 1952

C. C. Miller

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
SEP 15 1952

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

Month of July, 1952 Docket No. DMEA 2309 Contract No. Idm E295
Operator's Name Comet Mines, Inc. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City 10, Utah

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	Feet	5,471.76	49.55	6,936.30	71.05	97.62		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Station Excavation & Work preparation to raising		385.40		2,651.61				
TOTAL DISTRIBUTED COSTS		5,857.16		9,587.91				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5,857.16		9,587.91				

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 8/26/52 Operator Comet Mines, Inc.

Per [signature] Title Treasurer

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

COMET MINES INCORPORATED — OPERATIONS REPORT JULY 1952

August 4, 1952

Paul Gemmill, Vice President, Comet Mines Inc.

E. S. McIntyre, Supt., Comet Mines Inc.

Dear Paul:

Operations at the Comet Mine during July 1952 consisted entirely of exploration work approved by Defense Minerals Exploration Administration.

The raise on the 310 level was advanced from sill + 28.5 feet to sill + 78.05 feet, a total distance of 49.55 feet. The raise was timbered with shaft sets, and air and water lines and forced ventilation supplied to the face. A hoist was installed on the 310 level with a skip in the manway for handling supplies and equipment in the raise. All broken rock was transported to the surface waste dump.

The last of the month, preparatory work was begun for starting a raise from the 465 level to the 310 level. The bulkhead in the winze below the 310 level was mucked off and removed to gain access to the 465 level. The winze between the two levels required cleaning down and repairing for safe hoisting operations. Work required for drifting on the 465 level from the winze to a position for raising to the 310 level was in the process of completion at the end of the month.

Drill steel and bits continued to be important items of costs. The tungsten carbide insert types of cutting edges have decreased the drilling time substantially, but no bit or steel that has been tested to date will drill sufficient footage in the abrasive quartzite to reduce the cost per foot of drill hole to normality. The cost of drilling with tungsten insert cutting edges is excessive. However, without consideration for drilling time saved, it is estimated the cost is less than would be experienced with conventional type steel drill bits.

During August 1952 the main objective will be to continue advance in the raise from the 310 level. Preparatory work on the 465 level will be completed and a drift advanced toward a position for raising. Advance will be dependent on availability of miners. Research will be continued testing different types of drill steel and bits striving to find a cutting edge that will drill sufficient footage to reduce costs. Several drill steel manufacturers have been contacted and it is anticipated that field representatives of these firms will visit the property and attempt to aid us in surmounting the adverse drilling conditions being experienced.

Yours truly

E. S. McIntyre

E. S. McIntyre
Supt. Comet Mines Inc.

ESM:ah

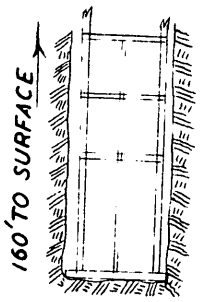
A

REFERENCES

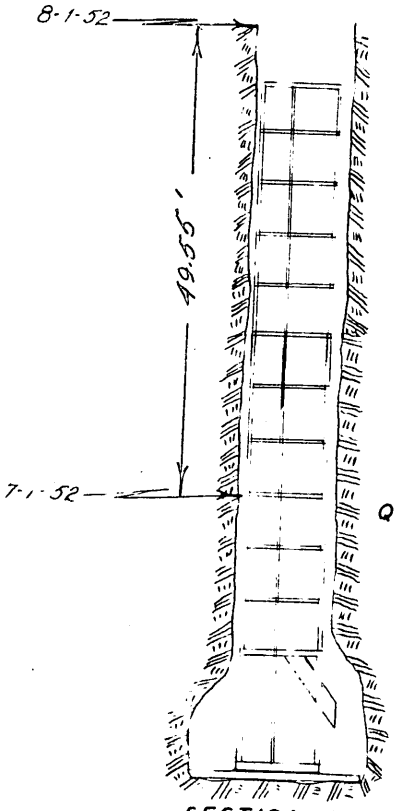
COMBINED METALS REDUCTION CO

COMET MINES INCORPORATED
PIOCHE NEVADA
EXPLORATION PROJECT

JULY 22 19 52
MADE BY ESM
TRACED BY
CHECKED BY
SCALE 1" = 20'



160 LEVEL



QUARTZITE

310 LEVEL

SECTION A-A

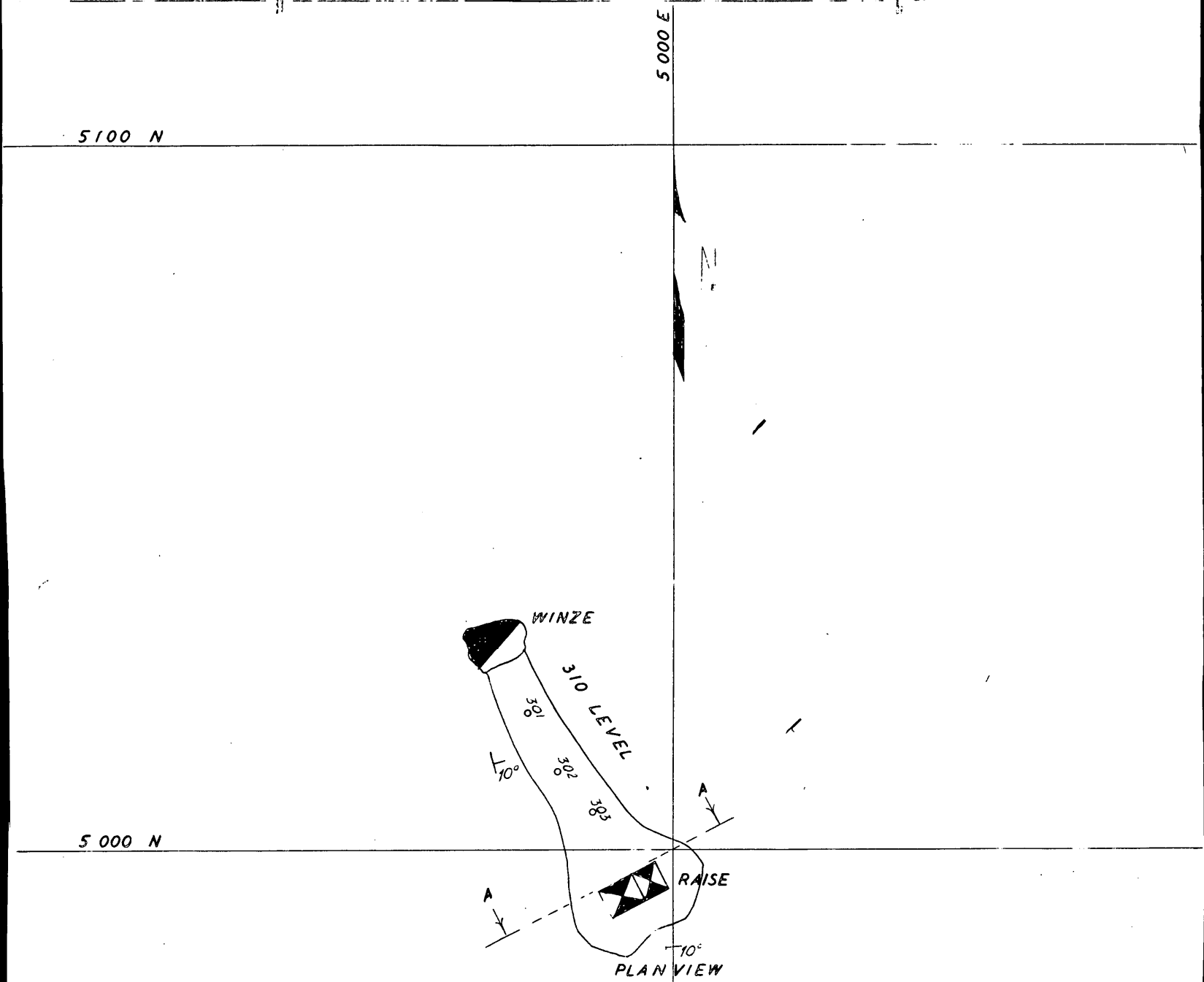
COMBINED METALS REDUCTION CO.

REFERENCES

COMET MINES INCORPORATED

PIOCHE NEVADA

EXPLORATION PROJECT



MI 204 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Budget Bureau No. 25-R1036.3.
Approval expires 6-30-53.
RECEIVED
SEP 15 1952

Month of June, 1952 Docket No. DMEA 2309 Contract No. Idm 1295
Operator's Name Comet Mines, Inc. Minerals Lead Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $190,000.00 Government Participation: 50 % Amount, $95,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,668.76	0.0	1,668.76			
Supervision	662.48	0.0	662.48			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	156.20	0.0	156.20			
Explosives	42.65	0.0	42.65			
Pipe	37.53	0.0	37.53			
Track	30.00	0.0	30.00			
Power	34.59		34.59			
Misc. Tools & Supplies	298.40	0.0	298.40			
(4) Operating Equipment:						
Rental	130.00	0.0	130.00			
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	109.20	0.0	109.20			
Sampling and Analysis						
Payroll Taxes	50.30	0.0	50.30			
Liability Insurance	159.90	0.0	159.90			
Pick-up transportation	96.11	0.0	96.11			
(8) Contingencies (specify):						
Warehouse, amounting & general expense	254.63	0.0	254.63			
TOTALS	3,730.75	0.0	3,730.75			

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

Date 7/22/52 *Payee Comet Mines, Inc.

Per [signature] Title Treasurer

*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:

$1865.37

[signature]
Authorized Certifying Officer

Signature (Authorized Certifying Officer)

SEP 9 1952
Date Vou. No. SF-DMEA-13

(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. [illegible] in accordance with the terms of the contract.

Signature [illegible] Title [illegible] Date [illegible]

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer, DMEA Field Team, Region III Date August 22, 1952

H. C. Miller

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 DE-.04A
(April 1[illegible])

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
[illegible]

OPERATOR'S UNIT COST AND PROGRESS REPORT

SEP 15 1952

Month of June, 1952 Docket No. DMEA 2309 Contract No. Idm 1245
Operator's Name Comet Mines, Inc. Minerals Lead Mine
Address P. O. Box 150, Salt Lake City, Utah

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	Feet	1,464.54	21.5	1,464.54	21.5	68.22	990	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Station Excavation & work preparation to Raising		2,266.21		2,266.21				
TOTAL DISTRIBUTED COSTS		3,730.75	21.5	3,730.75				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,730.75		3,730.75				

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

Date 7/22/52 Operator Comet Mines, Inc.

Per [signature] Title Treasurer

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)

ACCOUNTS AUG 22 1952

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

COMET MINES INCORPORATED - JUNE 1952

July 9, 1952

Paul Gemmill, Vice President, Comet Mines Inc.

E. S. McIntyre, Superintendent, Comet Mines Inc.

Dear Paul:

The first of June 1952 exploration work incorporate to the loan by Defense Minerals Exploration Administration was started.

The first part of the period consisted of preparatory work necessary before raising from the 310 level to the 168 level. After a survey down the winze was completed, a raise station was excavated and timbered. The skip compartment of the raise was converted to a chute and track was laid to handle and transport the broken rock to the winze for hoisting. Forced ventilation, air and water, and electrical lines were provided to the heading. Necessary repairs were made to the main surface hoist by replacing the cable, and to the head sheave on the winze.

After the preparatory work was completed, the raise was advanced 21.5 feet and shaft timber installed.

The hardness and abrasive nature of the quartzite formation in which the raise is being driven presents a drilling problem. The loss of gage, number of bits required, and increased drilling time have proven that the conventional type bits are unsatisfactory. Bits with tungsten carbide cutting edges and steel with tungsten carbide inserts are now being tested. This type drilling equipment has greatly decreased the drilling time and it is estimated that further use of this type drill bit will decrease drilling costs and prove to be an answer to the adverse drilling conditions.

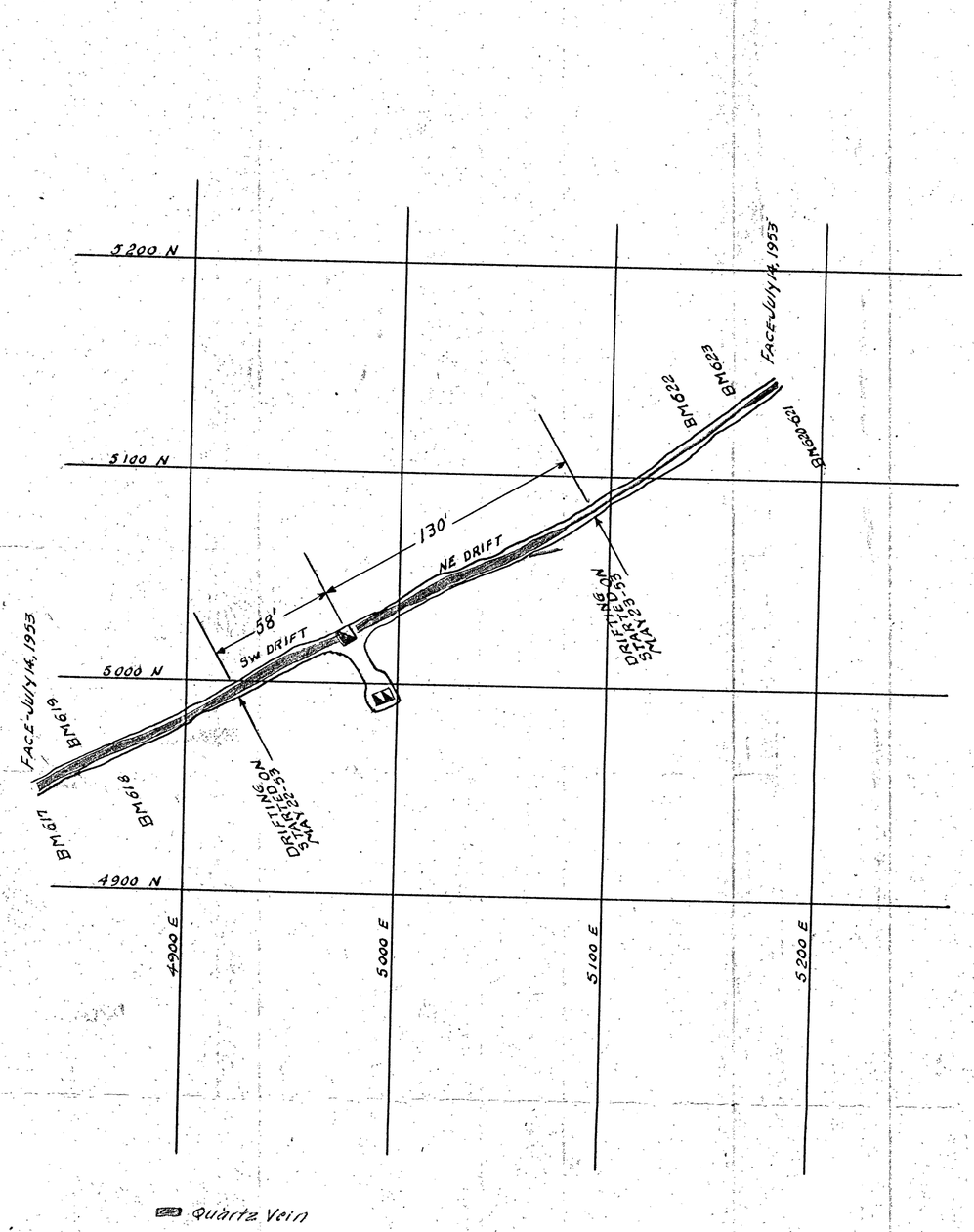
During June the necessary preparatory work that always accompanies a project of this type was completed. The advance for July is anticipated to reflect greater progress towards the ultimate goal of connecting the raise with the shaft at the 168 level.

Yours truly

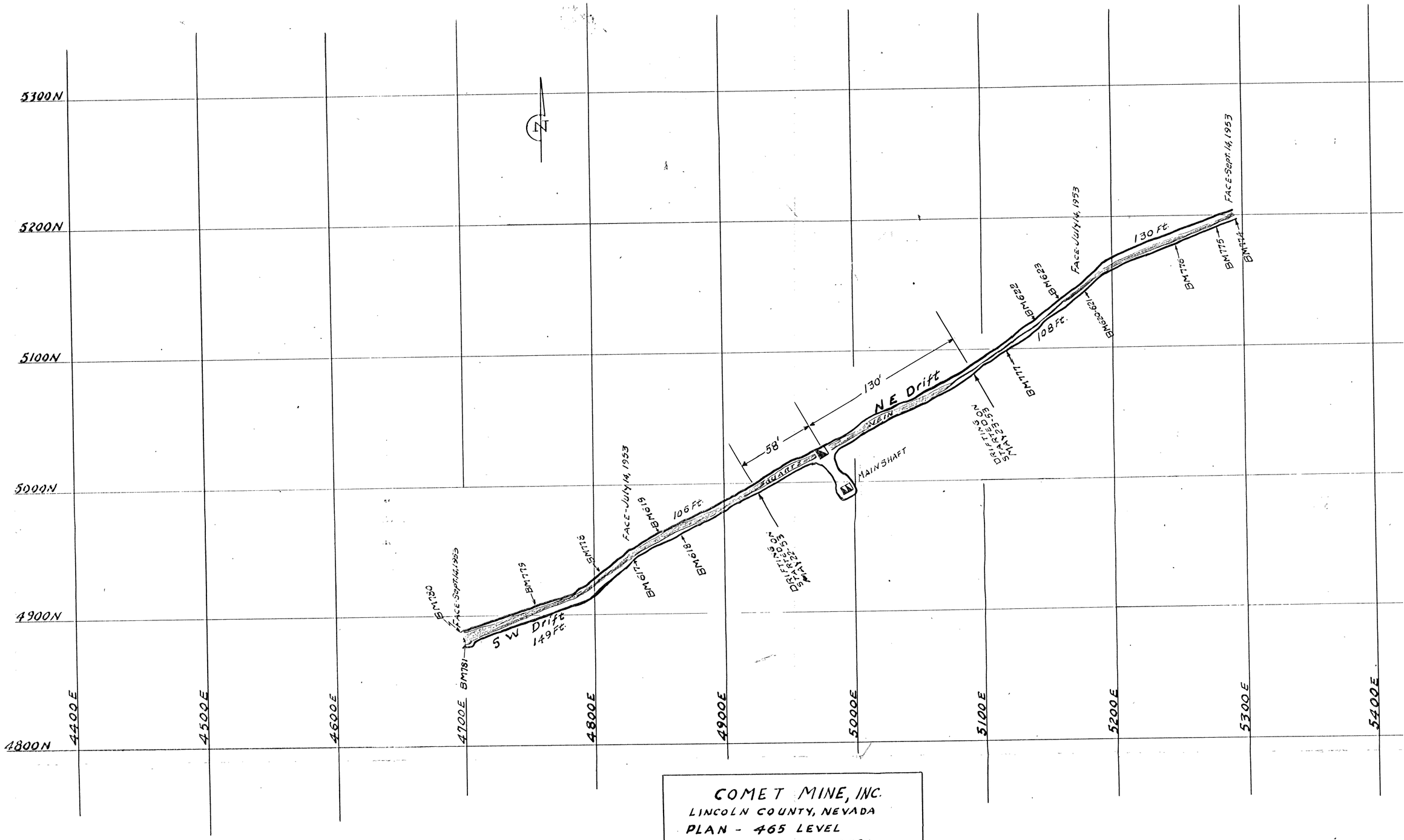
E. S. McIntyre

E. S. McIntyre

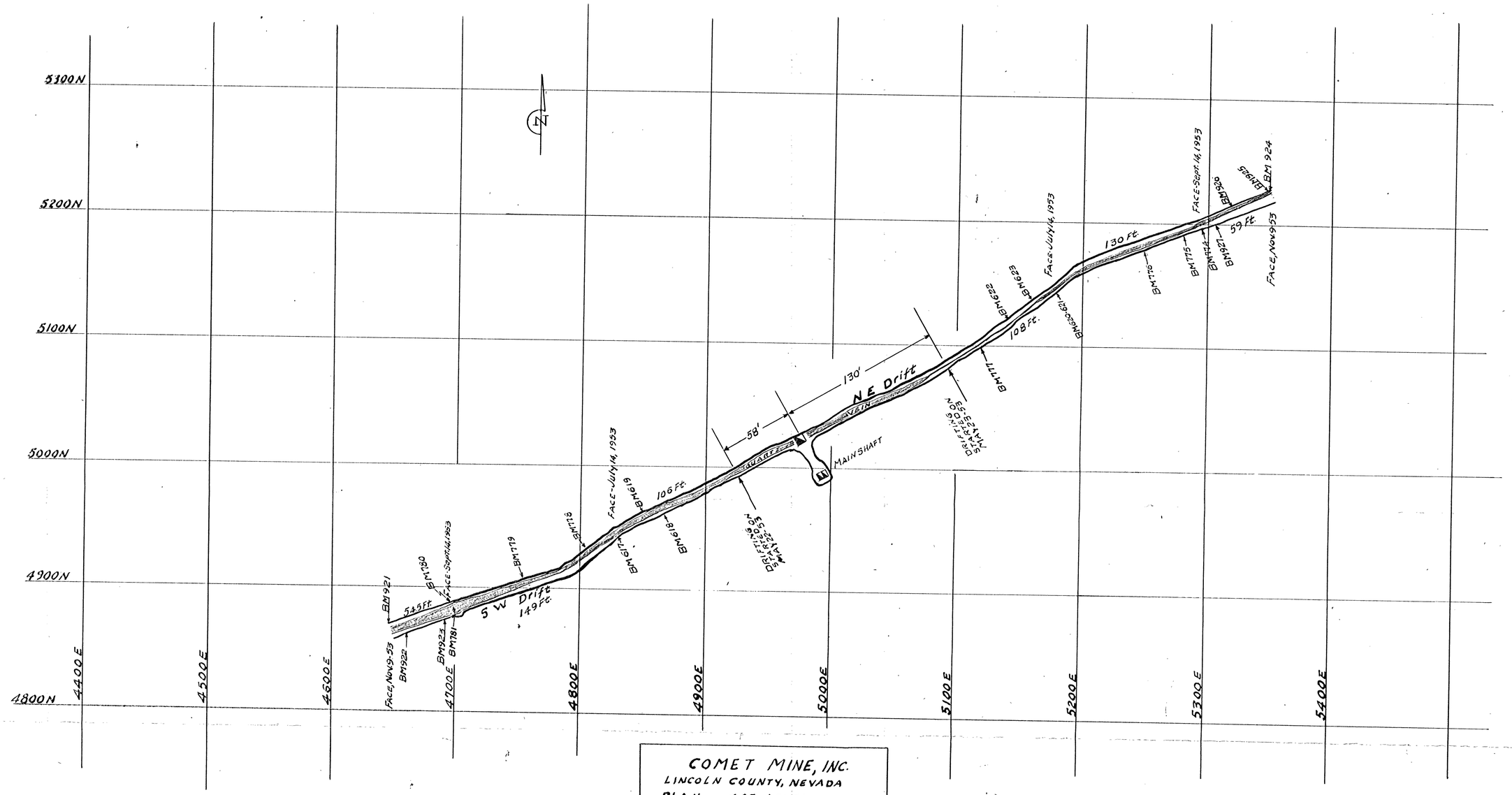
ESM:ah
CC: 7



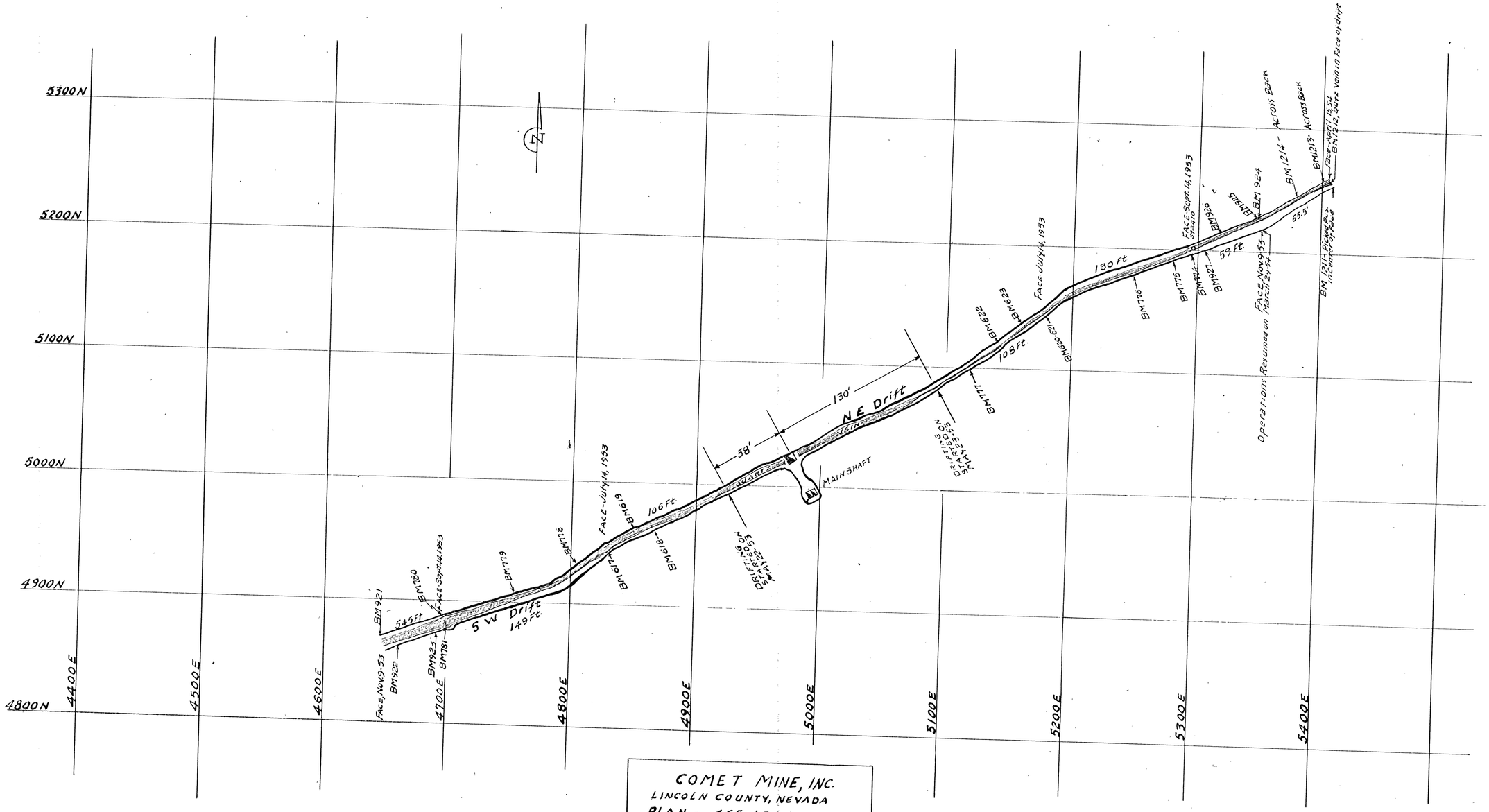
COMET MINES, INC.
LINCOLN COUNTY, NEVADA
PLAN - 465 LEVEL
CONTRACT No. Idm-E295
Scale: 1" = 50 Ft.



COMET MINE, INC.
LINCOLN COUNTY, NEVADA
PLAN - 465 LEVEL
CONTRACT No. Idm-E295
Scale: 1" = 50'



COMET MINE, INC.
LINCOLN COUNTY, NEVADA
PLAN - 465 LEVEL
CONTRACT No. Idm-E295
Scale: 1" = 50'



COMET MINE, INC.
LINCOLN COUNTY, NEVADA
PLAN - 465 LEVEL
CONTRACT No. Idm-E295
Scale: 1" = 50'

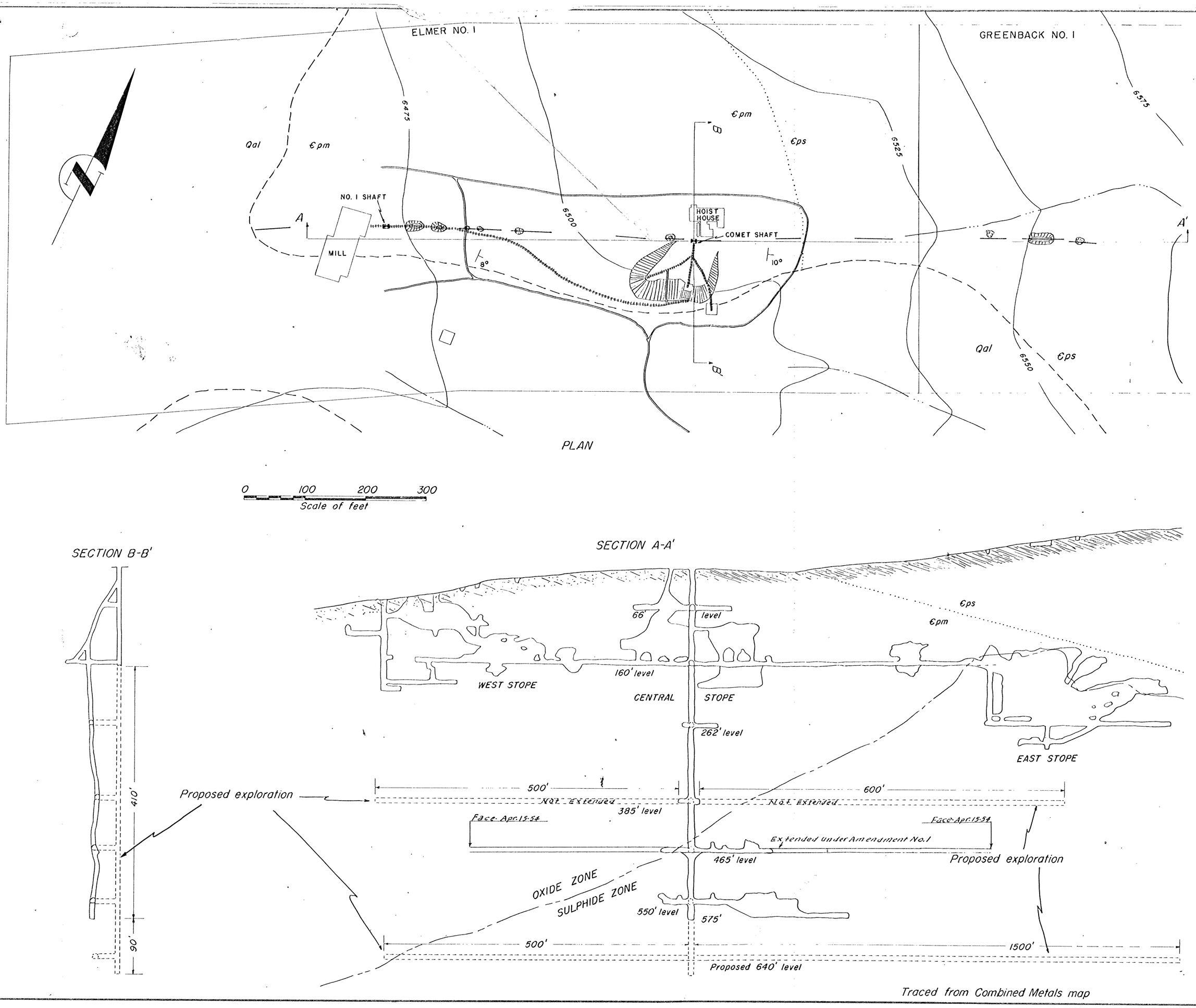


Figure 2- Plan and sections, Comet Mine

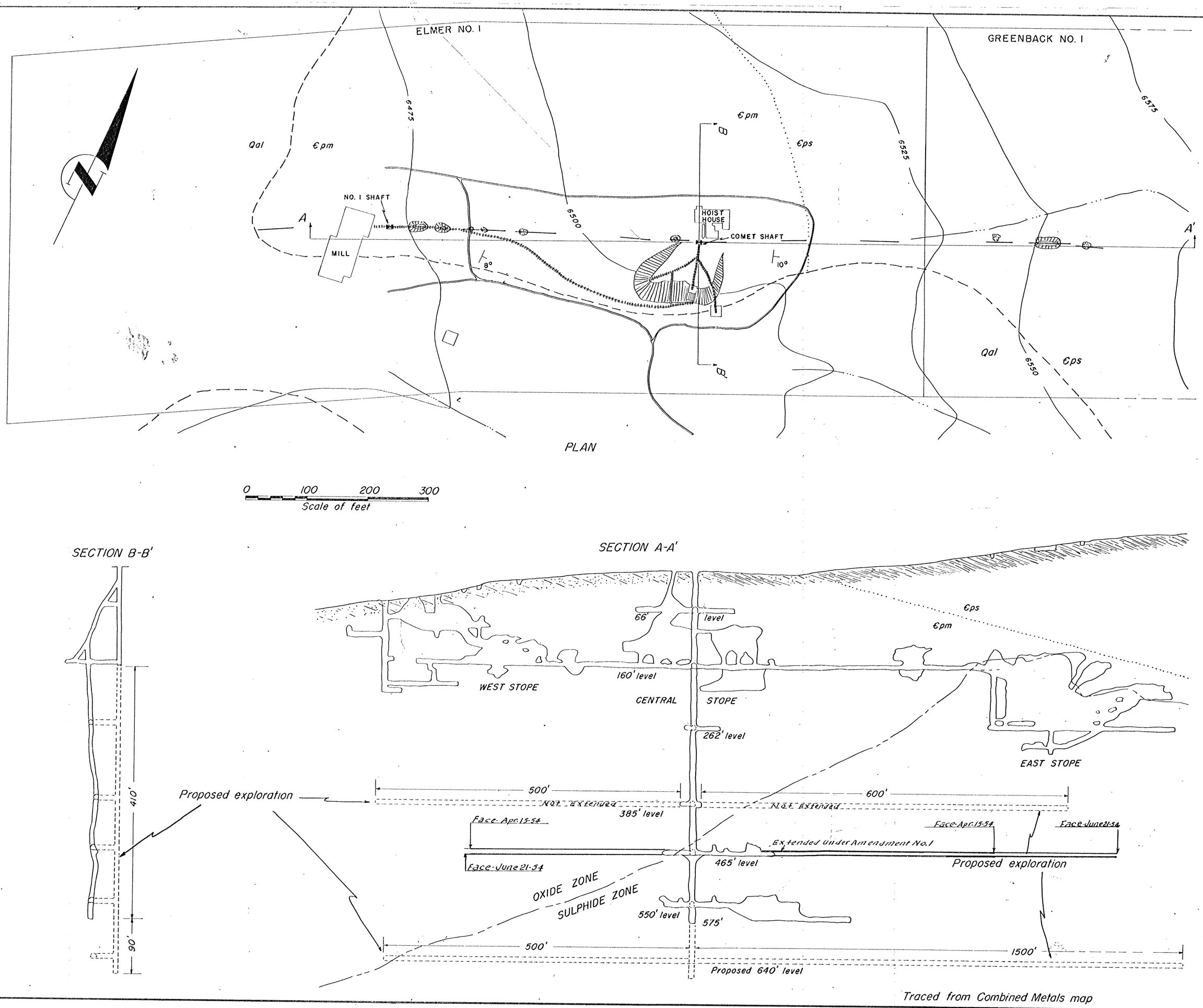
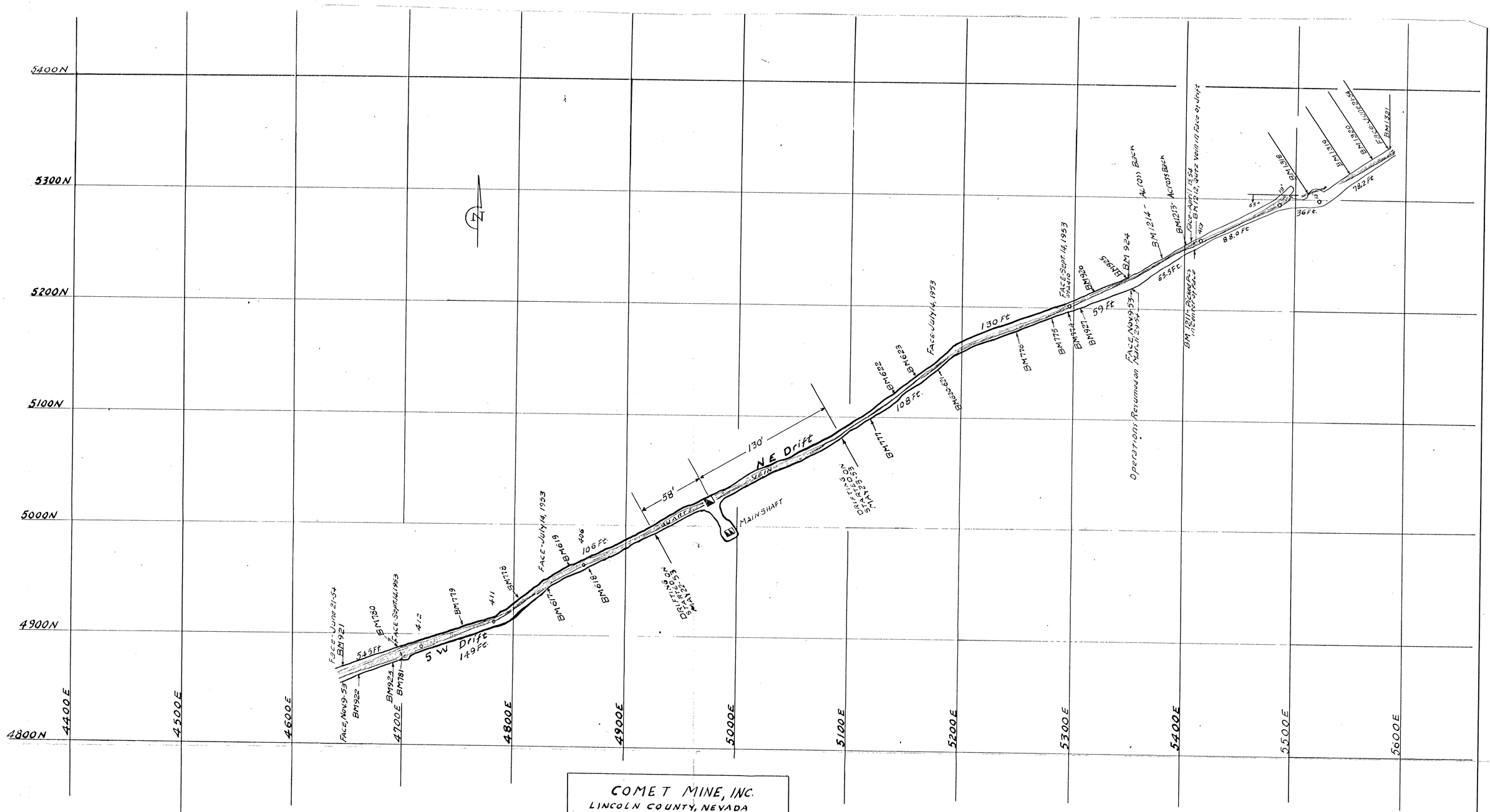
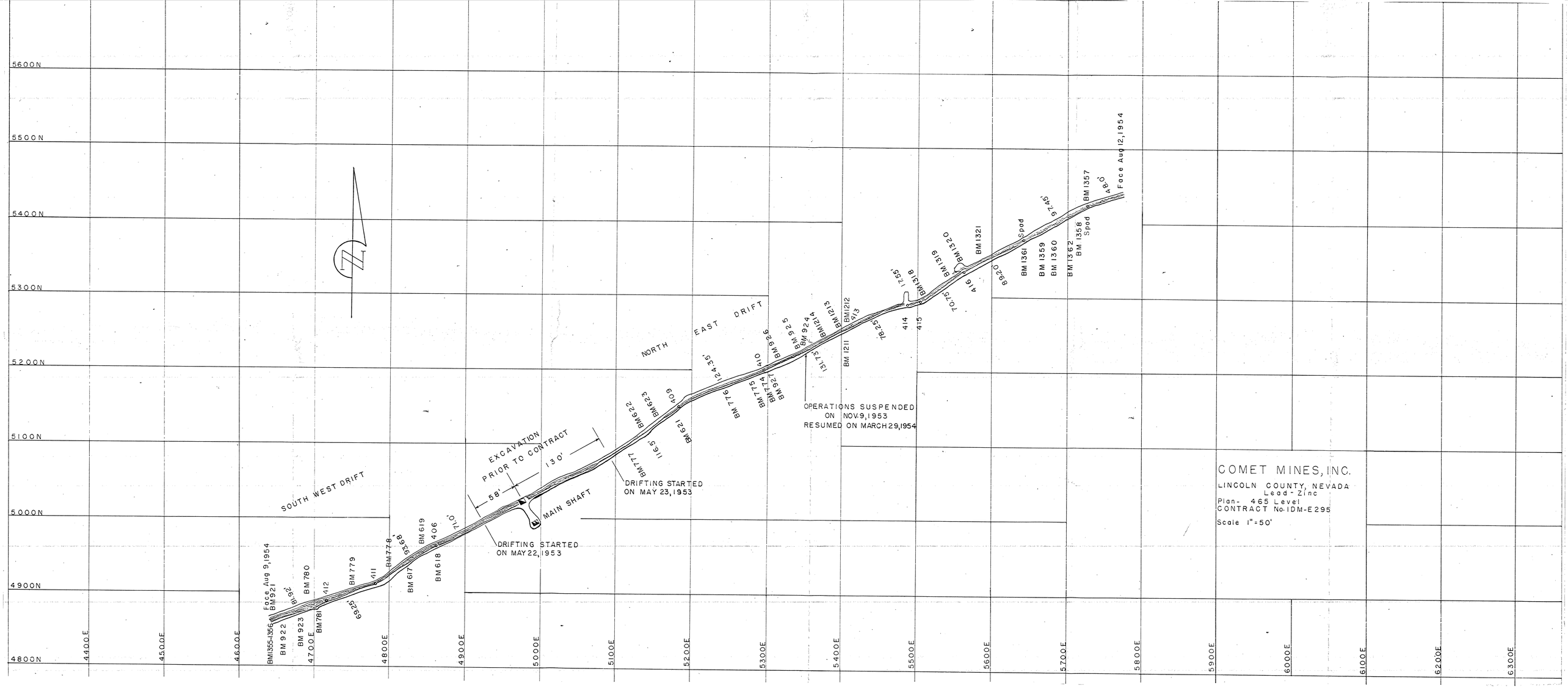


Figure 2- Plan and sections, Comet Mine



COMET MINE, INC.
LINCOLN COUNTY, NEVADA
PLAN - 465 LEVEL
CONTRACT No. Idm-E295
Scale: 1" = 50'


COMET MINES, INC.
LINCOLN COUNTY, NEVADA
Lead - Zinc
Plan - 465 Level
CONTRACT No. IDM-E295
Scale 1" = 50'
SOUTH WEST DRIFT
NORTH EAST DRIFT
MAIN SHAFT
EXCAVATION PRIOR TO CONTRACT
58'
130'
DRIFTING STARTED ON MAY 22, 1953
DRIFTING STARTED ON MAY 23, 1953
OPERATIONS SUSPENDED ON NOV. 9, 1953
RESUMED ON MARCH 29, 1954
Face Aug 9, 1954
Face Aug 12, 1954
BM 355-1356
BM 921
BM 922
BM 923
BM 780
BM 781
BM 779
BM 778
BM 619
BM 618
BM 617
BM 777
BM 622
BM 621
BM 776
BM 775
BM 774
BM 1211
BM 1212
BM 1213
BM 1318
BM 1319
BM 1320
BM 1321
BM 1357
BM 1358
BM 1359
BM 1360
BM 1361
BM 1362
Spad
4800N
4900N
5000N
5100N
5200N
5300N
5400N
5500N
5600N
4400E
4500E
4600E
4700E
4800E
4900E
5000E
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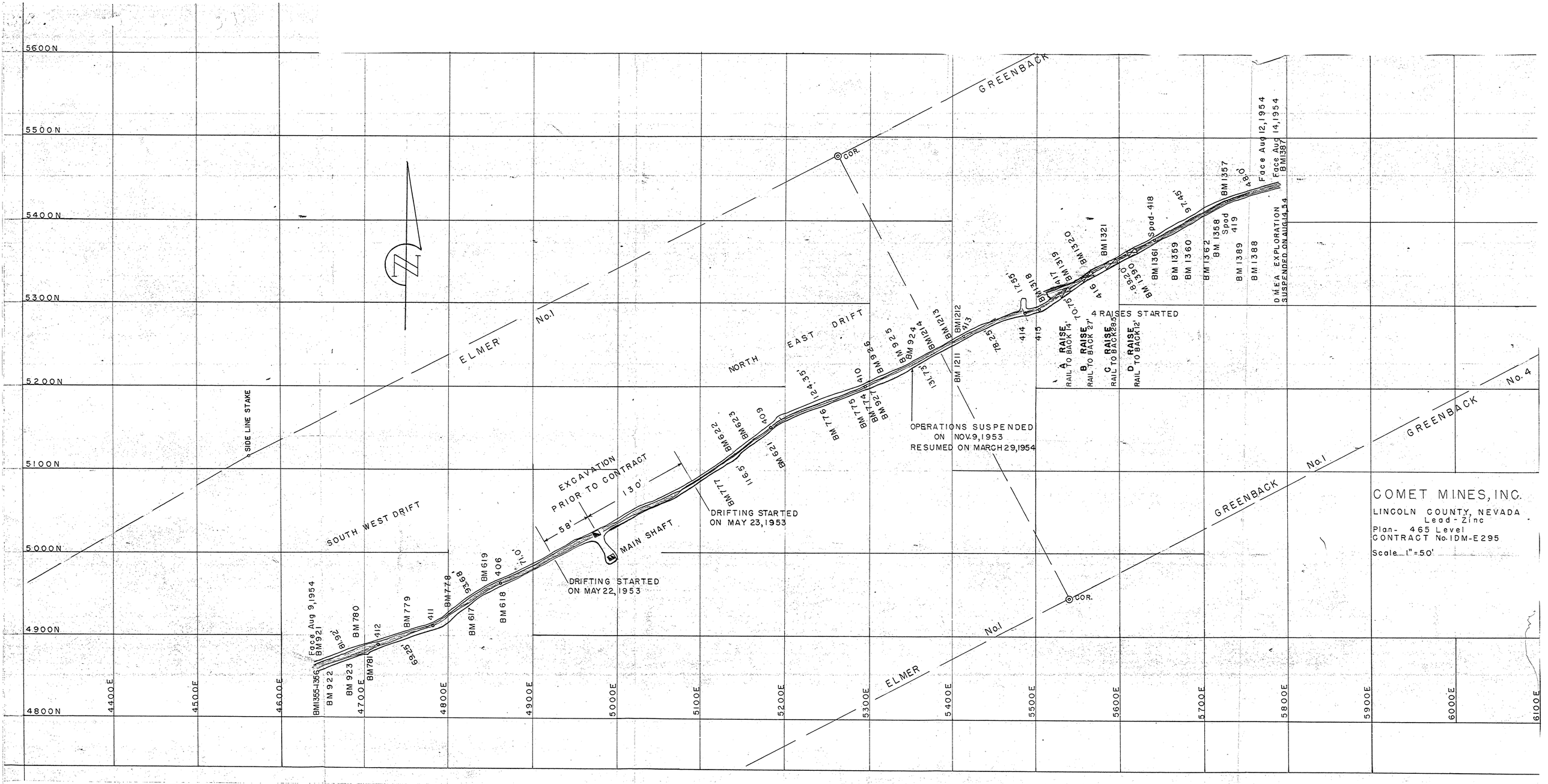
COMET MINES, INC.
LINCOLN COUNTY, NEVADA
Lead - Zinc
Plan- 465 Level
CONTRACT No. IDM-E295
Scale 1" = 50'
GREENBACK
ELMER
No. 1
No. 4
COR.
SIDE LINE STAKE
SOUTH WEST DRIFT
NORTH EAST DRIFT
EXCAVATION PRIOR TO CONTRACT
58'
130'
MAIN SHAFT
DRIFTING STARTED ON MAY 22, 1953
DRIFTING STARTED ON MAY 23, 1953
OPERATIONS SUSPENDED ON NOV. 9, 1953
RESUMED ON MARCH 29, 1954
4 RAISES STARTED
A RAISE
RAIL TO BACK 14'
B RAISE
RAIL TO BACK 27'
C RAISE
RAIL TO BACK 28.5'
D RAISE
RAIL TO BACK 12'
DMEA EXPLORATION
SUSPENDED ON AUG 14, 54
Face Aug 9, 1954
Face Aug 12, 1954
Face Aug 14, 1954
Spad-418
Spad 419
BM 355-356
BM 921
BM 922
BM 923
BM 780
BM 781
BM 779
BM 778
BM 617
BM 618
BM 619
BM 622
BM 623
BM 621
BM 777
BM 776
BM 775
BM 774
BM 924
BM 925
BM 926
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BM 1362
BM 1358
BM 1389
BM 1388
BM 1357
4900N
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5200N
5300N
5400N
5500N
5600N
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4600E
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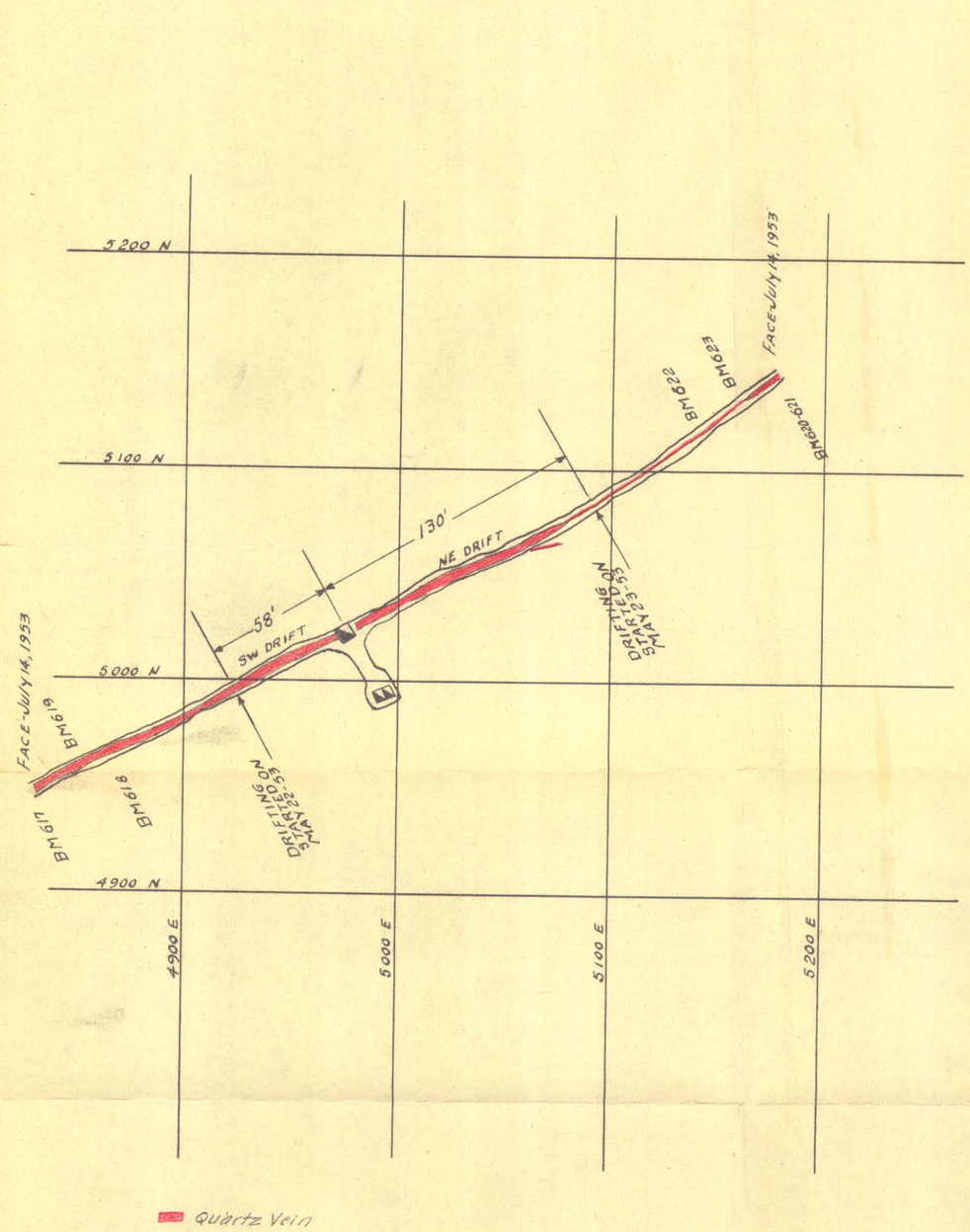

COMET MINES, INC.

LINCOLN COUNTY, NEVADA

PLAN - 465 LEVEL

CONTRACT NO. Idm-E295

Scale: 1" = 50 Ft.