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 August 9, 1957

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E 767

Commodity Lead-Zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area

By Glenn G. Gentry, Mining Engineer

Dated August 6, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 1957

DATE	INITIALS	CODE
8/13	[illegible]	100
8/14	[illegible]	500

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

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 12 1957
DATE | INITIALS | CODE

INTERIM REPORT

August 6, 1957

Docket No. DMEA-3629 (Lead-Zinc)
Combined Metals Reduction Company
Caselton-Black Prince Area
Pioche, Lincoln County, Nevada
Contract No. Idm-E 767

Accompanied by R. G. Lee, representing the Operator, this project was visited on July 24, 1957.

Amendment No. 7, dated July 22, 1957, extends the time for completion of the work from 28 months from the date of contract to 31 months from date of contract. Therefore, the expiration date is October 2, 1957.

Churn drill hole No. 4, located on the Bumagain No. 6 claim at Coordinates 14,000 North and 24,003.47 East, was started on May 20, 1957 and had reached a depth of 420 feet on June 29. The drilling bit and string of tools became wedged in the limestone at the 420-foot depth and all efforts to remove them failed.

The drill log submitted by the Operator follows:

0 ft. to 108 ft.:	Wash (alluvium)
108 ft. to 195 ft.:	Lava
195 ft. to 230 ft.:	Blue limestone and dolomite.
230 ft. to 245 ft.:	Blue limestone
245 ft. to 275 ft.:	Blue-pink limestone
275 ft. to 315 ft.:	Blue limestone
315 ft. to 330 ft.:	Blue-gray-pink limestone
330 ft. to 365 ft.:	Blue-light gray limestone
365 ft. to 410 ft.:	White limestone

If it is necessary to abandon CDH No. 4, the Operator is considering requesting approval for the drilling of another hole in the adjacent area. However, no formal request has as yet been received. Payment for 270 feet of CDH No. 4 was made on July 25, 1957. Therefore, the first 270 feet of any new drill hole should be completed at the Operator's expense and the remainder of CDH No. 4 (150 ft.) should not be charged to the Government.

Progress:

Drilling approved		14,000 feet
Previously reported	8,071 ft.	
CDH No. 4	420 ft.	8,491 "
Not completed		5,509 "

Financial:

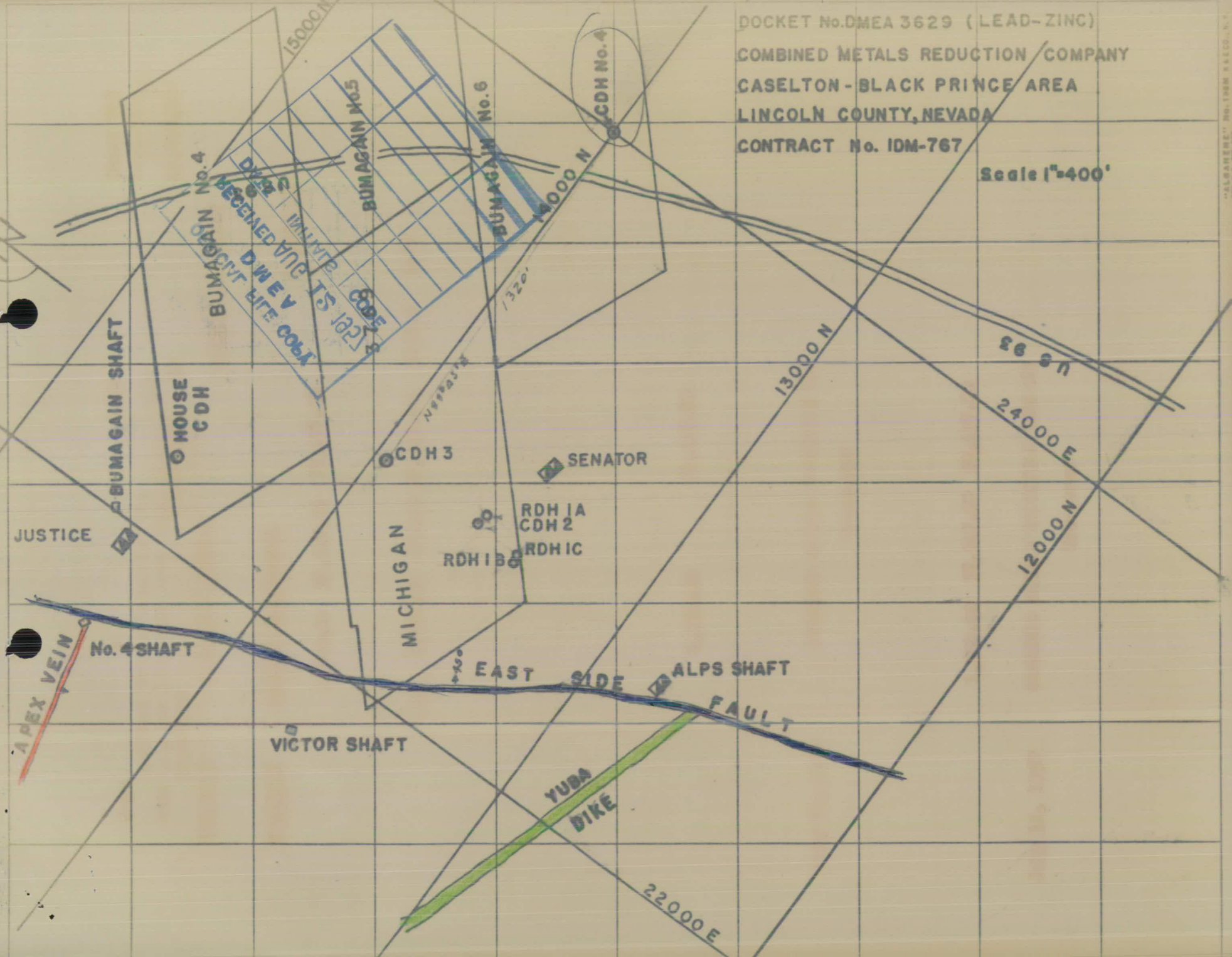
Expenditures approved	$98,200.00
Expended as of June 30, 1957	59,437.00
Unexpended	$38,763.00

Glenn G. Gentry
Mining Engineer

Encls: Maps

DOCKET No. DMEA 3629 (LEAD-ZINC)
COMBINED METALS REDUCTION COMPANY
CASELTON - BLACK PRINCE AREA
LINCOLN COUNTY, NEVADA
CONTRACT No. IDM-767

Scale 1"=400'



ORIGINAL FILE COPY
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m MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

JUL 19 1957

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

Month of June 1957 Docket No. DMEA 3629 Contract No. Idm-B 767
Operator's Name Combined Metals Reduction Co. Minerals Lead-Zinc
Address P.O. Box 150, Salt Lake City, Utah
Contract Amount, $93,000.00 Government Participation: 50 % Amount, $ 49,000.00

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	1,890.00	57,547.00	59,437.00	8/12/57	WPK	Greenwold
Bulldozing						
Crosscutting						
Drifting						Beck
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,890.00	57,547.00	59,437.00			

RECEIVED JUL 31 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 16, 1957 *Payee Combined Metals Reduction Co.

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:

$ 945.00

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

Date JUL 25 1957 Vou. No. SF-DMEA-2

(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 N[redacted]E767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 7/18/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 7/18/57

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1957 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Co. 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	1,890.00	270.00	59,437.00	8491.0	7.00	14000	7.00
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								98,200.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,890.00		59,437.00				

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

REMARKS:

Date July 16, 1957 Operator COMBINED METALS REDUCTION CO.

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]

RECEIVED JUL 31 1957 D.M.E.A.

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

Progress Report - Exploration Drilling for Month of June, 1957.

July 11, 1957

Paul Gemmill, General Manager

Reginald G. Lee

Dear Paul:

Exploration Drilling under Project No. 3629 was active on one twelve hour shift during the entire month.

Churn Drill Hole No. 4 on the Salt Lake Fiesta Group of Claims was advanced 270.0 feet during the month.

The lava was drilled through at 195 feet. From here to 420 feet was limestone which is believed to be the Prince Limestone. However, positive identification will have to await additional drilling.

Rate of advance is less than anticipated due to the springy character of the limestone.

COPY

Very truly yours,

Reginald G. Lee

Reginald G. Lee

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DATE | INITIALS | CODE

I N V O I C E

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
July 1, 1957

TO:

Exploration Drilling
DMEA Project/3629
Contract No. Idm-E 767

Exploration Drilling under DMEA Project/3629 during the month of June, 1957.

270.0 feet of churn drilling	@ $7.00	$ 1,890.00
Total for month of June, 1957		$ 1,890.00

APPROVED:

V. E. Swanson

Certified True Copy:

Raymond G. Lee

FINAL COPY
DMEA
RECEIVED

A - 1712

REFERENCES

COMBINED METALS REDUCTION CO.
SALT LAKE CITY, UTAH
Pioche, Nevada

SALT LAKE PIOCHE CHURN DRILL HOLE NO. 4

DMEA Project No. 3629

June 7, 1957

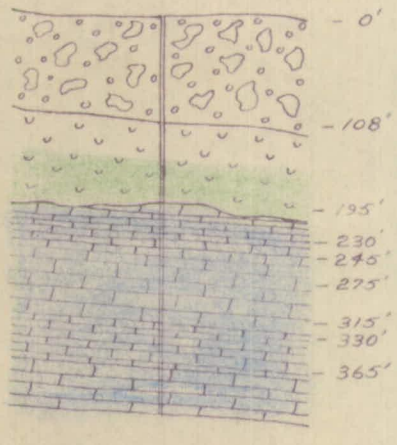
MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'

Coordinates: 14,000.03-N 24,003.47-E
Elevation: 5894.67
Location: Bumagain 6 Claim
Hole Started: 5-20-57
Hole Finished:
Size of Hole:
Depth:
Driller: Fullerton
Helper: Sprague



LOG OF HOLE

0 -	108	Wash. (alluvium)
108 -	150	Lava. Bottom 6-1-57
150 -	195	Lava.
195 -	230	Blue limestone and dolomite.
230 -	245	Blue limestone.
245 -	275	Blue - Pink limestone.
275 -	315	Blue limestone.
315 -	330	Blue - Gray - Pink limestone.
330 -	365	Blue - Light gray limestone.
365 -	410	White limestone. Bottom 7-1-57

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D M E A
RECEIVED JUL 31 1957
DATE INITIALS CODE

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 6-17

Referred to:

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

Note comments in report regarding:

1. Time Extension
2.
3.
4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Will prepare amendment for time extension

Robert E. Adams

DMEA

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 June 14, 1957

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E767

Commodity Lead-Zinc

Operator Combined Metals Reduction Company

Property Caselton-Black Prince area,
Lincoln County, Nevada

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RECEIVED JUN 17 1957

DATE	INITIALS	CODE
6-17	C	220
25	Conn	100
6/25	[illegible]	500

By H.K. Stager

Dated June 11, 1957

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

IN REPLY REFER TO:

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

June 11, 1957

INTERIM REPORT

To: DMEA Field Team, Region II

From: H. K. Stager, geologist, U. S. Geological Survey

Subject: DMEA-3629 (lead-zinc)
Combined Metals Reduction Company
Caselton-Black Prince area
Pioche, Lincoln County, Nevada
Contract Idm-E767

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DMEA
RECEIVED JUN 17 1957

DATE	INITIALS	CODE

An interim inspection of the project was made on June 5, 1957 by H. K. Stager, U. S. Geological Survey, accompanied by Messrs. R. G. Lee and O. E. Schrader, representing the operator.

Churn drill hole No. 4, on the Bumagain No. 6 claim at coordinates 14,000.03N - 24,003.47E, in the Salt Lake-Pioche mines area was started on May 20, 1957. A two-man drill crew is operating on a 12 hour-per-day shift, 6 days per week, in an effort to complete the hole in as short a time as possible. Drilling has averaged 15 to 20 feet per day and the hole was 203 feet deep at the end of the shift on June 5. The ten-inch diameter hole has not required casing to date and drilling conditions have been good. The hole passed from a quartzite-wash overburden to

volcanic flow rocks at 108 feet and into a fault zone of brecciated volcanics and limestone at 185 feet. The drill was still in the fault zone at 203 feet. Drilling is slower in the fault zone and only 8 feet was drilled during the 12-hour shift of June 5.

About three months time will be necessary to complete the hole to the estimated total depth of 1,000 to 1,300 feet. The time allotted for completion of the contract is 28 months and will expire on July 2, 1957. An extension of time will be required and will be requested by the operator. It is recommended that the request for additional time be granted.

Progress:

Drilling approved		14,000 feet
Previously reported	8,071 feet	
Advance of CDH No. 4	203 feet	
Total:	8,274 feet	
Not completed		5,726 feet

Financial:

Expenditures approved	$98,200.00
Expended as of May 20, 1957	56,497.00
Unexpended	$41,703.00

Contract period:

Amendment No. 6, dated March 20, 1957, extended the expiration date to July 2, 1957.

Unexpended time: 1 month.

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

Budget Bureau No. 36.5

JUN 2 6 1957

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

Month of May 1957 Docket No. DMEA 3629 Contract No. Idm-E-767
Operator's Name Combined Metals Reduction Co. Minerals Lead-Zinc
Address P.O. Box 150, Salt Lake City 10, Utah
Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

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	1,050.00	56,497.00	57,547.00	8/12/57	[illegible]	
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
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Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,050.00	56,497.00	57,547.00			

RECEIVED JUL 3 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 14, 1957 *Payee COMBINED METALS REDUCTION COMPANY
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:

$ 525.00

Signature
(Authorized Certifying Officer)
Date JUN 2 6 1957 Vou. No. SF-DMEA-30

(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 Engineer Date 6/17/57

For Glenn G. Gentry

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date 6/17/57

[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;

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(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.

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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.

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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

JUN 2 0 1957

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1957 Docket No. DMEA 3629 Contract No. Idm-E-767

Operator's Name Combined Metals Reduction Co. 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	1,050.00	150.0	57,547.00	8,221.0	7.00		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,050.00		57,547.00				

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

REMARKS:

Date May 14, 1957 Operator COMBINED METALS REDUCTION CO.

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)

John A Warne

RECEIVED JUL 3 1957 D.M.E.A.

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

Progress Report - Exploration Drilling for Month of May, 1957.

June 7, 1957

Mr. Paul Gemmill, General Manager

Reginald C. Lee

Dear Paul:

Exploration Drilling under Project No. 3629 was resumed on May 20, 1957.

Churn Drill Hole No. 4 at coordinates 14,000 north and 24,000 east on the Salt Lake Fissure Group of Claims was spudded-in on May 20, 1957.

Advance made during the balance of the month was 180 feet. The first 108 feet of drilling was in alluvium, from 108 feet to 150 feet in volcanics or a bleached rhyolite flow formation.

The diameter of this drill hole will be held to plus 10" until the first string of casing is needed.

If necessary, we will be able to reduce size of casing three times.

We are at present drilling on one 12 hour shift and making about 25 feet per day.

Very truly yours,

Reginald C. Lee

Reginald C. Lee

COPY

EXTRA COPY
DMEA
RECEIVED 1957
DATE | INITIALS | CODE

FORM 25

I N V O I C E

COMBINED METALS REDUCTION COMPANY
Fiesta, Nevada
June 1, 1957

TO:

Exploration Drilling
DMEA Project/3629
Contract No. Idm-1 767

Exploration drilling under DMEA Project/3629 during the month of May, 1957.

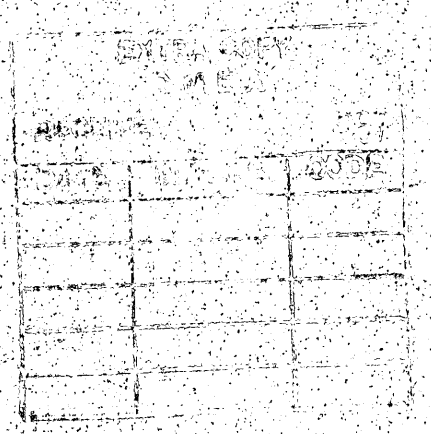
150.0' of churn drilling	@ $7.00	$ 1,050.00
Total for Month of May, 1957		$ 1,050.00

APPROVED:

W. E. Swanson

Certified True Copy:

Raymond F. Lee



A-1711

REFERENCES D-1226

COMBINED METALS REDUCTION CO.

Salt Lake Pioche

Churn Drill Hole Locations

DMEA Project No. 3629

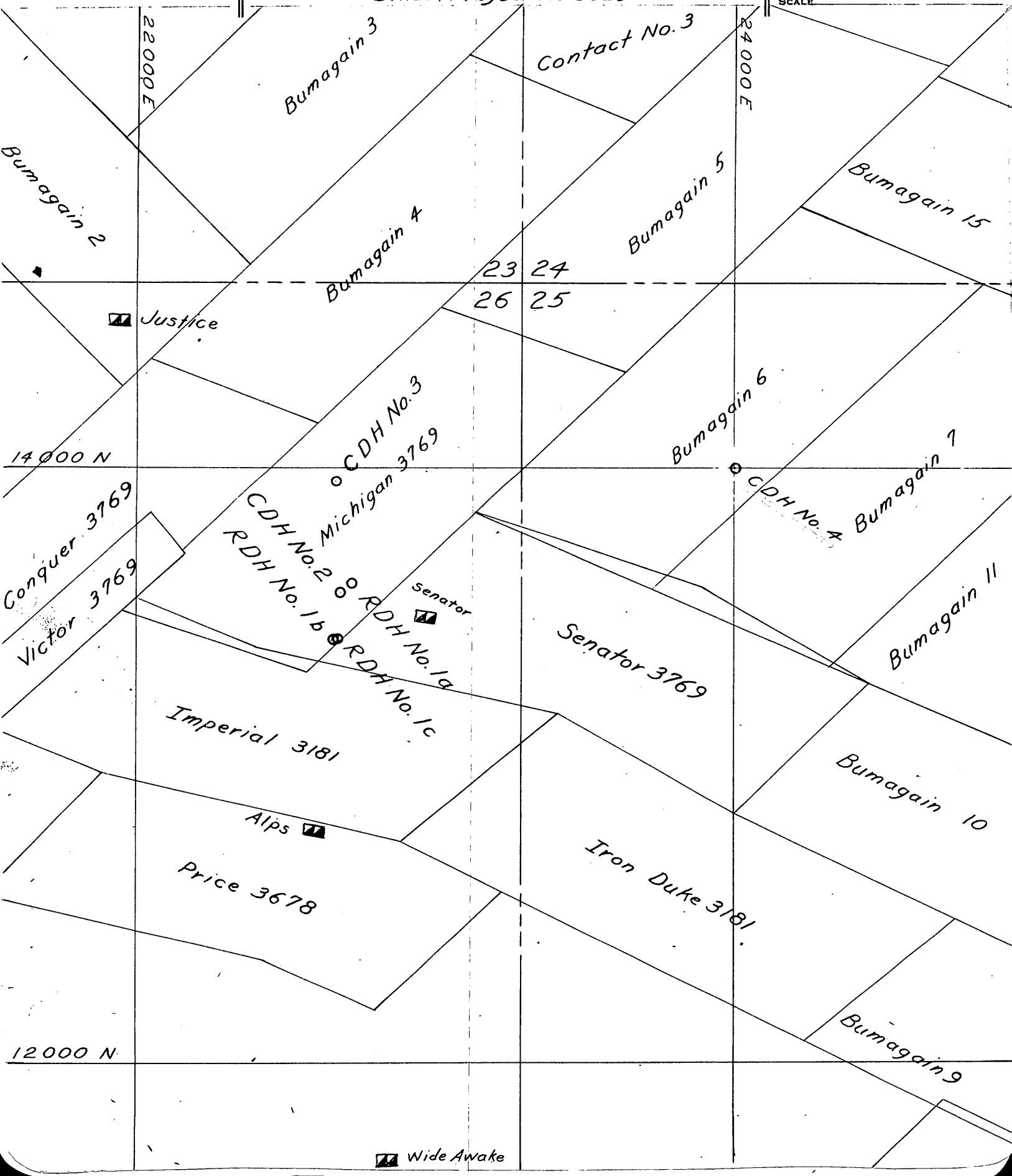
June 7, 1957

MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 400'



A - 1712

REFERENCES

COMBINED METALS REDUCTION CO.
SALT LAKE CITY, UTAH
Pioche, Nevada

SALT LAKE PIOCHE CHURN DRILL HOLE NO. 4

DMEA Project No. 3629

June 7, 1957

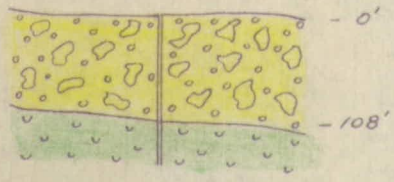
MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'

Coordinates: 14,000.03-N 24,003.47-E
Elevation: 5894.67
Location: Bumagain 6 Claim
Hole Started: 5-20-57
Hole Finished:
Size of Hole:
Depth:
Driller: Fullerton
Helper: Sprague



LOG OF HOLE

0 - 108 Wash. (alluvium)
108 - 150 Lava. Bottom 6-1-57

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DMEA
RECEIVED JUL 3 1957

DATE	INITIALS	CODE

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 April 30, 1957

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E 767

Commodity Lead-Zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area

By Glenn G. Gentry, Mining Engineer

Dated April 25, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 2 1957

DATE		CODE
5/3	Jody	220
3	[illegible]	100
5/6	[illegible]	500

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.

MAY 2 10 15 AM '57

INTERIM REPORT

April 25, 1957

Docket No. DMEA-3629 (Lead-Zinc)
Combined Metals Reduction Company
Caselton-Black Prince Area
Pioche, Lincoln County, Nevada
Contract No. Idm-E 767

Accompanied by Messrs. R. G. Lee and O. E. Schrader, representing the Operator, this project was visited on April 16, 1957.

Churn drilling of CDH No. 3, discontinued on January 18, 1957, was resumed on March 12th and completed at the depth of 710 feet on March 28th. The drill hole was not successful in finding lead-zinc mineralization.

During the drilling operations, the Operator installed 595 feet of 5-inch casing in CDH 3 and after completion of the drill hole this casing was removed.

The project has been inactive since March 28th. Additional drilling will be held in abeyance until the Operator submits a revised plan for the location of CDH No. 4 and a further review of the project is completed by the joint Field Team.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 2 1957

DATE	INITIALS	CODE

Resume of CDH No. 3:

Coordinates:	13950.6 N - 22666.0 E
Elevation:	5966.4
Location:	Michigan Claim - Survey No. 3769
Hole started:	11-27-56
Hole finished:	3-28-57
Size of hole:	7 inches
Depth:	710 feet

Log of Hole:

0 ft. - 65 ft.	Wash, light red to dark red lava
65 " - 90 "	Wash
90 " - 500 "	Lava
500 " - 510 "	Fault
510 " - 555 "	Lava
555 " - 605 "	Lava
605 " - 620 "	Intermixed lava and gray shale
620 " - 690 "	Gray shale. Very fine mica
690 " - 710 "	Quartzite. Contact between shale and quartzite is a fault contact. Attitude of fault is unknown to date.
710 "	Bottom of hole.

Progress:

Drilling approved		14,000 feet
Previously reported	7,981 ft.	
Advance of CDH No. 3	90 "	
Total	8,071 "	8,071 "
Not completed		5,929 "

Financial:

Expenditures approved	$98,200.00
Expended as of March 31, 1957	56,497.00
Unexpended	$41,703.00

Contract period:

Amendment No. 6, dated March 20, 1957 extends the expiration date to July 2, 1957.

Unexpended time: 2 months

Glenn G. Gentry,
Mining Eng.

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 March 1957 Docket No. DMEA 3629 Contract No. Idn-8-767
Operator's Name Combined Metals Reduction Co. Minerals Lead-Zinc
Address P.O. Box 150, Salt Lake City, Utah
Contract Amount, $98,000.00 Government Participation: 40 % Amount, $49,000.00

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	630.00	55,867.00	56,497.00	8/8/57 O.P.K.		~~Bucivoll~~
Bulldozing						~~[illegible]~~
Crosscutting						
Drifting						Betty
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	630.00	55,867.00	56,497.00			

RECEIVED MAY 9 1957 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Apr. 15, 1957 *Payee Combined Metals Reduction Co.

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:

$ 315.00

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

Date 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. [illegible]767 in accordance with the terms of the contract.

Signature Glenn C. Gentry Title Mining Engineer Date 4/19/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature D. Ricker Title Executive Officer Date 4/19/57

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March, 1957 Docket No. DMEA 2629 Contract No. [illegible]-767
Operator's Name Combined Metals Reduction Co. 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	630.00	90.0	56,497.00	8071.0	7.00		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								98,200.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		630.00		56,497.00				

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

Date Apr. 15, 1957 Operator COMBINED METALS REDUCTION CO.

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]

RECEIVED MAY 9 1957 D.M.E.A.

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

EXTRA-COPY

~~OFFICIAL FILE COPY~~

DMEA

RECEIVED MAY 9 1957

DATE	INITIALS	CODE

Progress Report - Exploration Drilling for Month of March, 1957.

April 10, 1957

Mr. Paul Dewmill, General Manager

Reginald G. Lee

Dear Paul:

Exploration Drilling under D.M.E.A. Project No. 3619 was resumed on March 6th.

620 feet of 5" casing was purchased from Ely Valley Mines. 595' of this casing was installed in Churn Drill Hole No. 3 located on the Salt Lake Fissure Group of Claims.

Actual drilling advance was started March 12th at 620 feet. The next 25 feet of advance was in hard siliceous shale, probably the lower "C" shale including some sandstone. Advance averaged 5 feet per 8 hour shift through the siliceous member of the shale.

The shale formation from 645' to 670' was much softer, increasing the drilling advance to 13' per 8 hour shift. This was probably in the upper "C" shale section. It was definitely not "D" shale.

At 670 feet a fault contact with Prospect Mountain Quartzite was encountered. The drill hole was extended 10 feet into the footwall of the fault. The quartzite was hard, white and massive, which is contrast to the thin-bedded quartzite and shale at the contact of "D" shale and Prospect Mountain Quartzite.

Churn Drill Hole No. 3 located on the Michigan Claim of the Salt Lake Fissure Group of Claims was completed on March 28th, at 710.0 feet of depth.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

FORM 25

A K T O A S A

CORLIN D A T E S REDUCTION COMPANY
Pioche, Nevada
April 1, 1957.

EXTRA COPY
D M E A
RECEIVED MAY 9 1957

DATE	INITIALS	COPY

To:

Exploration Drilling
DMEA Project No. 3629
Contract No. Idm-[illegible] 767

Exploration Drilling under DMEA Project No. 3629 during the month of March, 1957.

90.0 feet of churn drilling	@ $7.00	$ 630.00
Total for month of March, 1957		$ 630.00

APPROVED:

W. R. Swanson

Certified True Copy:

Reginald G. Lee

A - 1697

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

SALT LAKE PIOCHE CHURN DRILL HOLE NO: 3

DMEA Project No. 3629

December 31, 19 56

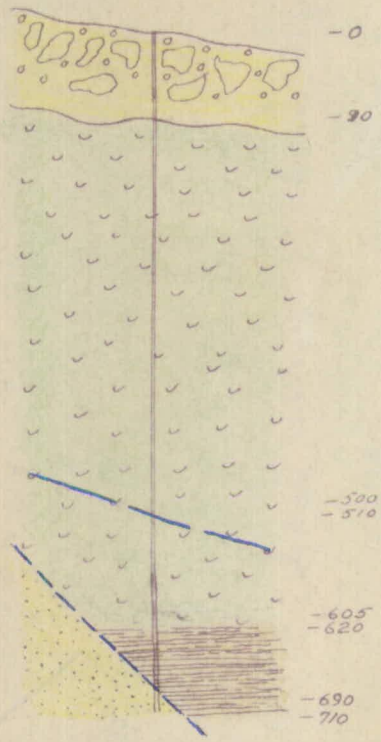
MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Coordinates: 13950.6-N 22666.0-E
Elevation: 5966.4
Location: Michigan claim - Survey No. 3769
Hole Started: 11-27-56
Hole Finished: 3-28-57
Size of Hole: 7 inches
Depth: 710 ft.
Driller: Fullerton
Helper: Sprague



LOG OF HOLE

0 - 65	Wash. Light red to dark red lava. Bottom 12-1-56
65 - 90	Wash.
90 - 500	Lava.
500 - 510	Fault.
510 - 555	Lava. - - - - Bottom 1-1-57
555 - 605	Lava.
605 - 620	Intermixed lava and gray shale. Bottom 2-1-57
620 - 690	Grey shale. Very fine mica.
690 - 710	Quartzite. Contact between shale and quartzite is a fault contact. Attitude of fault is unknown to date.
710	Bottom of hole. 3-28-57

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 March 26, 1957

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E 767

Commodity Lead-Zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 28 1957

DATE	INITIALS	CODE
3/28	C	220
29	COLL	100
3/29	WRB	500

By Glenn G. Gentry

Dated March 25, 1957

S. Ricker
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

March 25, 1957

Docket No. DMEA-3629 (Lead-Zinc)
Combined Metals Reduction Company
Caselton-Black Prince Area
Pioche, Lincoln County, Nevada
Contract No. Idm-E 767

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DMEA
RECEIVED MAR 28 1957

DATE	INITIALS	CODE

Accompanied by Mr. O. E. Schrader, representing the Operator, this area was visited on March 8, 1957.

The Operator was engaged in installing five-inch casing in Churn Drill Hole No. 3 which had previously been drilled to a depth of 620 feet. For the above reason, there is no drilling progress to report.

The Operator plans on extending CDH No. 3 to the quartzite formation and then to hold further drilling in abeyance for a review of the project if the CM beds or mineralization are not definitely encountered.

Amendment No. 6, dated March 20, 1957, extending the time for completion to 28 months from the date of the contract, has been received and forwarded to the Applicant for signature.

The interim report dated February 15, 1957 incorrectly stated the north coordinate for DCH No. 2 as 14,319.4 feet. The correct coordinate is 13,581.8 north and was so located on the map attached to the interim report.

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

Date Febr. 19, 1957

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

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DMEA
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DATE	INITIALS	CODE
2/25	O	220

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E 767

Commodity (Lead-Zinc)

Operator Combined Metals Reduction Company

Property Caselton-Black Prince Area

By Glenn G. Gentry

Dated Febr. 15, 1957

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

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 21 1957

DATE	INITIALS	CODE

INTERIM REPORT

February 15, 1957

Docket No. DMEA-3629 (Lead-Zinc)
Combined Metals Reduction Company
Caselton-Black Prince Area
Pioche-Lincoln County, Nevada
Contract Idm-E 767

Accompanied by Mr. R. G. Lee, representing the Operator, this area was visited on February 8, 1957.

Churn drilling in drill hole No. 3 was temporarily discontinued on January 18, 1957 because of weather conditions, necessary repairs on the equipment, and waiting for delivery of five-inch casing. The Operator expects to resume drilling in this drill hole on or about February 15, 1957.

Resume of drilling:

Type	No.	Date Started	Date Completed	Depth	Coordinates	Claim	Status
Rotary	1a	9-22-56	9-23-56	40.0 ft.	13,575.0 N 22,710.0 E	Michigan	completed
"	1b	9-24-56	9-24-56	20.0 "	13,410.0N 22,635.0E	"	"
"	1c	9-24-56	9-25-56	60.0 "	13,420.0N 22,660.0E	"	"
Churn	2	10-17-56	11-20-56	540.0"	14,319.4N 22,678.9E	"	"
"	3	11-27-56		620.0"	13,950.6N 22,666.0E	"	Drilling to be continued.
	Total			1,280.0"			
Drilling previously reported				6,701. "			
Total drilled				7,981 "			

Total drilling appr'd	14,000 ft.
Less " completed	7,981
Not completed	6,019 ft.

Drill Log, C D H No. 3

0.0 ft.	to	65.0 ft.	Wash	
65.0 ft.	to	90.0 "	"	
90.0 "	to	500.0 "	Lava	
500.0 "	to	510.0 "	Fault	
510.0 "	to	605.0 "	Lava	
605.0 "	to	620.0 "	Intermixed lava and gray shale	) Bottom of drill hole on Febr. 8, 1957

The Operator plans on extending this drill hole to the C M beds and the Quartzite which he considers may be intersected within the next 250 feet. A small amount of mineralization was encountered in C D H No. 2 from 505 feet to 515 feet below the collar. The analyses of the samples reported by the Operator are as follows:

	Ozs/T		Percent		
	Au.	Ag.	Pb.	Zn.	Cu.
505 ft. - 510 ft.	0.01	0.29	0.5	Tr.	Tr.
510 " - 515 "	0.01	0.29	0.5	Tr.	Tr.

Resumé:

A total of 1,280 feet of drilling has now been completed on the Michigan Claim and only slight indications of lead-zinc mineralization have been found. If the location of the C M bed is not definitely proven upon completion of CDH No. 3, it is recommended that drilling of CDH No. 4 be held in abeyance pending a decision relative to the following:

(1) A restudy of the geology in this area.

(2) Consideration of termination of the project.

Financial:

Expenditures approved:	$98,200.00
Expended as of 1/31/57	55,867.00
Unexpended	$42,333.00

Contract Period:

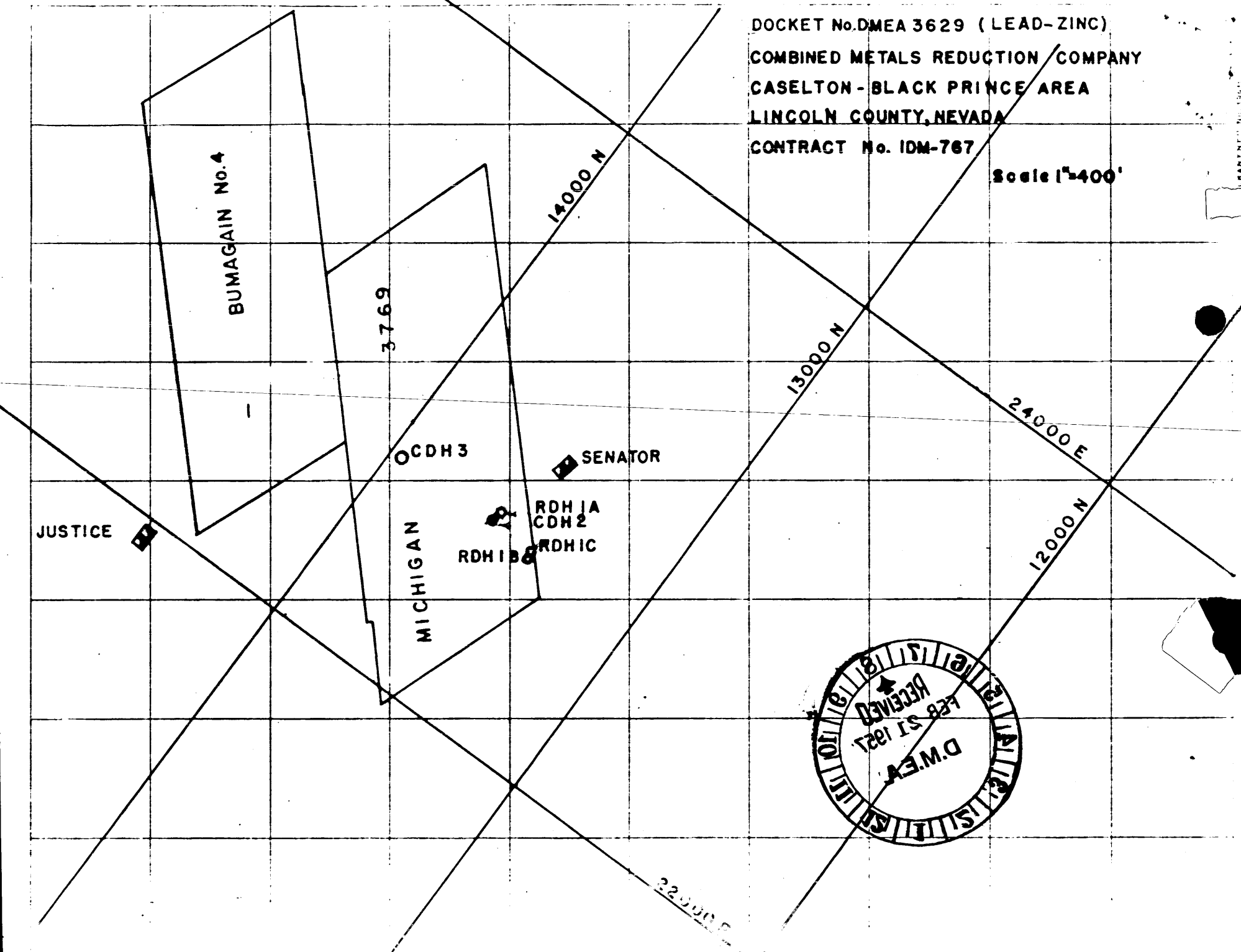
Under Amendment No. 5, dated October 31, 1956, the Contract expires on March 2, 1957. Therefore, an extension of time will be necessary to complete CDH No. 3 and/or to permit further geological study prior to the location of CDH No. 4.

Glenn G. Gentry,
Mining Engineer

Encls: Michigan Claim Map.

DOCKET No. DMEA 3629 (LEAD-ZINC)
COMBINED METALS REDUCTION COMPANY
CASELTON - BLACK PRINCE AREA
LINCOLN COUNTY, NEVADA
CONTRACT No. IDM-767

Scale 1" = 400'



RECEIVED
FEB 21 1951
D.M.E.A.

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 January 1957 Docket No. DMEA 3629 Contract No. Dm-E 767
Operator's Name Combined Metals Reduction Co. Minerals Lead-Zinc
Address P.O. Box 150, Salt Lake City, Utah
Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

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	455.00	55,412.00	55,867.00	5/3/57		
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	455.00	55,412.00	55,867.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Feb. 12, 1957 *Payee COMBINED METALS REDUCTION COMPANY
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:

$ 227.50

Signature
(Authorized Certifying Officer)

Date FEB 27 1957 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-E 767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 2/14/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 2/14/57

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

FEB 15 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1957 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Company 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	455.00	65.0	55,867.00	7981.0	7.00		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								98,200.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		455.00		55,867.00				

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

Date Feb. 12, 1957 Operator COMBINED METALS REDUCTION CO.

By [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

Progress Report - Exploration Drilling for Month of January, 1957.

February 8, 1957

Mr. Paul Gemmill, General Manager

Reginald G. Lee

Dear Paul:

Exploration Drilling under DMEA Project No. 3629 was active with one churn drill rig on one shift during the first 18 days of January.

All work was expanded at Churn Drill Hole #3 on the Michigan Claim of the Salt Lake Pioche Group of Claims.

Advance for the month was from 555 feet to 620 feet, a net of 65 feet. All of this advance was in bleached, altered rhyolite flow rock. At 620 feet the Pioche Shale was encountered.

Due to caving between 500 and 600 feet of depth, the hole will require casing.

Drilling was stopped temporarily while awaiting delivery of 5" casing.

COPY

Very truly yours,

Reginald G. Lee

Reginald G. Lee

FORM 25

I N V O I C E

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
February 1, 1957

TO:

Exploration Drilling
DMEA Project No. 3629
Contract No. Idm-E 767

Exploration drilling under DMEA Project No. 3629 during the month of January, 1957.

65.0 feet of churn drilling @ $7.00	$ 455.00
Total for month of January, 1957	$ 455.00

APPROVED:

W. C. Swanson

Certified True Copy:

Raymond R. Lee

A - 1697

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

SALT LAKE PIOCHE CHURN DRILL HOLE NO: 3

DMEA Project No. 3629

December 31, 19 56

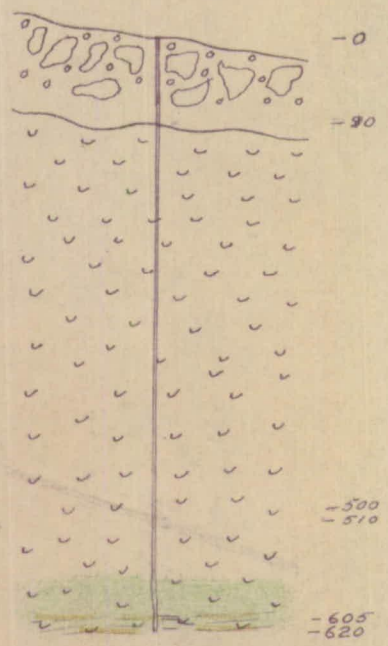
MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Coordinates: 13950.6-N 22666.0-E
Elevation: 5966.4
Location: Michigan claim - Survey No. 3769
Hole Started: 11-27-56
Hole Finished:
Size of Hole: 7 inches
Depth:
Driller: Fullerton
Helper: Sprague



LOG OF HOLE

0 - 65 Wash. Light red to dark red lava. Bottom 12-1-56
65 - 90 Wash.
90 - 500 Lava.
500 - 510 Fault.
510 - 555 Lava. Bottom 1-1-57
555 - 605 Lava.
605 - 620 Intermixed lava and gray shale. Bottom 2-1-57

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

JAN 2 9 1957

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1956 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Co. Minerals Lead-Zinc
Address P.O. Box 150, Salt Lake City, Utah
Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

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	3465.00	51,947.00	55,412.00	5/3/57		
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3465.00	51,947.00	55,412.00			

RECEIVED FEB 11 1957 D.M.E.A.

Uncovered

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

Date Jan. 17, '57 *Payee COMBINED METALS REDUCTION COMPANY

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:

$ 1732.50

Signature
(Authorized Certifying Officer)

Date Vou. No. SF-DMEA-21

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 1/22/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 1/22/57

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December, 1956 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Co. 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	3,465.00	495.0	55,412.00	7916.0	7.00		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								98,200.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,465.00		55,412.00				

RECEIVED FEB 11 1957 D.M.E.A.

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 Jan. 17, 1957 Operator COMBINED METALS REDUCTION CO.

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

Progress Report - Exploration Drilling for Month of December, 1956.

January 15, 1957

Mr. Paul Gemmill, General Manager

Reginald G. Lee

RECEIVED FEB 11 1957 D.M.&A.

Dear Paul:

Churn drilling under DM&A Project No. 3629 was active on one shift with one drill rig during the entire month of December.

Churn Drill Hole No. 3 on the Michigan Claim of the Salt Lake Pioche Group of claims was advanced from 60 feet to 555 feet during the month.

At 90 feet of depth, the alluvium was drilled through and into vulcanic flow rock.

At 500 feet of depth a fault with considerable gouge was encountered. The footwall side of this fault was also in the vulcanic flow rock. No change was noted to 555 feet except that the flow rock seems more bleached on the footwall side of the fault.

Water was encountered at 430 feet of depth.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

COPY

FORM 25

I N V O I C E

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
January 1, 1957.

TO:

Exploration Drilling
DMEA Project No. 3629
Contract No. Idm-E 767

Exploration drilling under DMEA Project No. 3629 during the month of December, 1956.

495.0 feet of Churn Drilling	@ $7.00	$ 3,465.00
Total for month of December, 1956		$ 3,465.00

APPROVED:

W. E. Lemon

Certified True Copy:

Raymond F. Lee

A - 1697

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

SALT LAKE PIOCHE CHURN DRILL HOLE NO: 3

DMEA Project No. 3629

December 31, 19 56

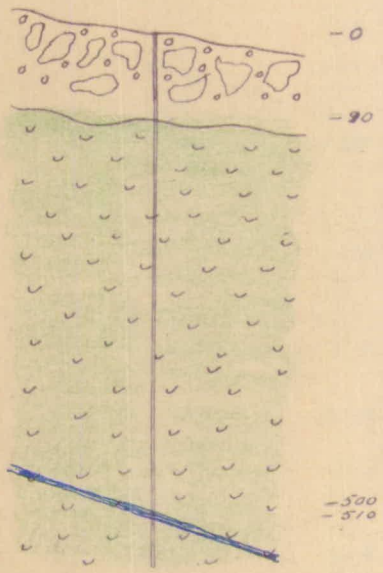
MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Coordinates: 13950.6-N 22666.0-E
Elevation: 5966.4
Location: Michigan claim - Survey No. 3769
Hole Started: 11-27-56
Hole Finished:
Size of Hole: 7 inches
Depth:
Driller: Fullerton
Helper: Sprague



LOG OF HOLE

0 - 65 Wash. Light red to dark red lava. Bottom 12-1-56
65 - 90 Wash.
90 - 500 Lava.
500 - 510 Fault.
510 - 555 Lava. Bottom 1-1-57

A - 1695

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

SALT LAKE PIOCHE CHURN DRILL HOLE NO. 2

DMFA Project No. 3629

November 15, 1956

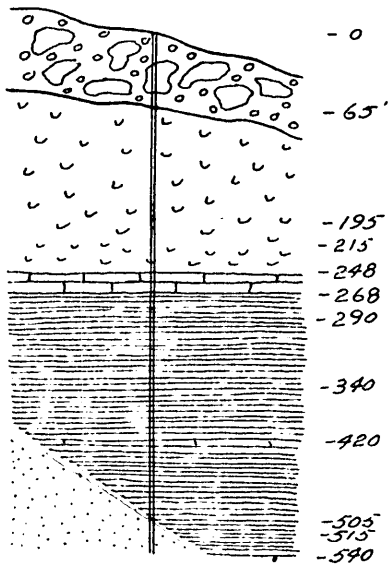
MADE BY Schrader

TRACED BY

CHECKED BY R G Loe

SCALE 1" = 200'

Coordinates: 1[illegible],581.[illegible]-N 22678.9-E
Elevation: 5987.9
Location: Michigan claim - Survey No. 3769
Hole Started: 10-17-56
Hole Finished: 11-20-56
Size of Hole: 7 inches
Depth: 540 Ft.
Driller: Fullerton
Helper: Sprague



LOG OF HOLE

0 -	65	Wash.
65 -	195	Lava.
195 -	215	Lava.
215 -	248	Lava, Bleached, white.
248 -	268	Limestone, dark blue to white.
268 -	290	Dark shale.
290 -	340	Light brown to dark red shale. Little to no mica.
340 -	420	Gray shale. Small amounts mica.
420 -	427	Dark limestone and shale.
427 -	505	Gray shale. Very little mica.
505 -	515	Fault.
515 -	540	Pink quartzite.
	540	Bottom.

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED JAN 2 7 '57 D.M.E.A.

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date Dec. 31, 1956

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E 767

Commodity Lead-Zinc

Operator Combined Metals Reduction Co.

Property Black Prince Area, Lincoln County, Nev.

By Glenn G. Gentry, Min. Engineer

Dated Dec. 27, 1956

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 2 9 06 AM '57

INTERIM REPORT

December 27, 1956

Docket No. DMEA-3629 (Lead-Zinc)
Combined Metals Reduction Company
Caselton-Black Prince Area
Pioche-Lincoln County, Nevada
Contract No. Idm-E 767

Accompanied by Mr. R. G. Lee, representing the Operator this area was visited on December 10 and 12, 1956. Churn drilling had continued steadily on the Michigan Claim, the drill operating one shift per day and 6 days per week. No lead-zinc mineralization had been found in the drill holes completed.

Resume of drilling		Total approved	14,000 feet
CDH No. 1-Depth	540 feet		
CDH No. 2 "	175 "		
RDH drilling "	120 "		
Previously reported	6,701 feet		
To date	7,536 feet		7,536 "
Not completed			6,464 feet

Log:

CDH No. 1:	145 ft.-539 ft.:	Lava flow rock.
	539 ft.-540 ft.:	Quartzite - bottom of hole.
CDH No.2:	0 ft.-95 ft.:	Quartzite
	95 ft.-175 ft.:	Lava flow rock: drilling continues.

Expenditures approved	$98,200.00
Expended as of Oct. 30, 1956	49,112.00
Unexpended	40,088.00

Unexpended Contract time: Approximately two months.

Glenn G. Gentry,
Mining Engineer

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 November 1956 Docket No. DMEA 3009 Contract No. Km-E 767
Operator's Name Combined Metals Reduction Company Minerals [illegible]
Address P.O. Box 150, Salt Lake City, Utah
Contract Amount, $ [illegible] Government Participation: 50 % Amount, $ 49,000.00

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	2,835.00	49,112.00	51,947.00	5/3/57 90	PK	[illegible]
Bulldozing						[illegible]
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,835.00	49,112.00	51,947.00			

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

Date Jan. 2, 1957 *Payee Combined Metals Reduction Company

Per [illegible] 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:

$ 1417 50

Lloyd W. [illegible]
Director

Signature
(Authorized Certifying Officer)

Date Vou. No. SF-DMEA-21

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-5767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 1/11/57

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature G. Ricker Title Executive Officer Date 1/11/57

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November, 1956 Docket No. DMEA 3629 Contract No. Idm-3 767
Operator's Name Combined Metals Reduction Company 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	2835.00	405.0	51,947.00	7421.0	7.00		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								98,200.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		2835.00		51,947.00				

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

Date Jan. 2, 1957 Operator COMBINED METALS REDUCTION CO.

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)

[signature]

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 872894

COMBINED METALS REDUCTION CO.

INTER-OFFICE CORRESPONDENCE

Subject Progress Report - Exploration Drilling for Month of November, 1956.

Date December 29, 1956

To Mr. Paul Gemmill, General Manager

From Reginald G. Lee

Dear Paul:

Churn drilling under DMEA Project No. 3629 was active on one shift with one drill rig throughout the month.

Churn drill hole No. 2, on the Michigan Claim of the Salt Lake Pioche group of claims, was advanced from 195 feet to 540 feet.

The lava was drilled through as 245 feet of depth. From 245 feet to 290 feet blue and white Prince Limestone. From 290 feet to 515 feet upper Pioche shale section.

A fault with considerable amount of gouge was encountered at 515 feet. From 515 feet to 540 feet Prospect Mountain quartzite. The hole was terminated at 540 feet of depth. No water was encountered.

Churn Drill hole No. 3, located on the same claim but 350 feet further north, was started and advanced 60 feet in alluvium.

Assay of samples taken in churn drill hole No. 2 at fault were as follows:

	Au	Ag	Pb	Zn	Cu
505' - 510' -C.D.H. #2 Michigan Claim	0.01	0.29	0.5	Tr.	Tr.
510' - 515' -C.D.H. #3 Michigan Claim	0.01	0.29	0.5	Tr.	Tr.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

I N V O I C E

Combined Metals Reduction Company
Pioche, Nevada
December 1, 1956

RECEIVED
FEB 11 1957
D.M.E.A.

TO:

Exploration Drilling
DMEA Project No. 3629
Contract No. Idm-E 767

Exploration drilling under DMEA Project No. 3629 during the month of November, 1956.

405.0 feet of churn drilling @	$7.00	$ 2,835.00
Total for month of November, 1956		$ 2,835.00

APPROVED:

W. E. Swanson

Paul Lemmill

Certified True Copy:

Reginald G. Lee

COMBINED METALS REDUCTION COMPANY
Accounting Dept.
JAN 2 1956

A - 1695

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

SALT LAKE PIOCHE CHURN DRILL HOLE NO. 2

DMEA Project No. 3629

November 15, 1956

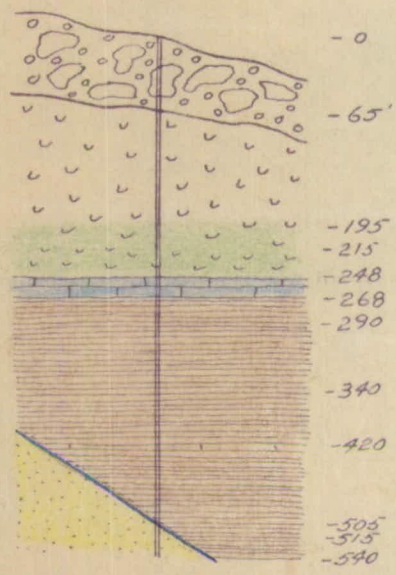
MADE BY Schrader

TRACED BY

CHECKED BY R G Lee

SCALE 1" = 200'

Coordinates: 14,319.4-N 22678.9-E
Elevation: 5987.9
Location: Michigan claim - Survey No. 3769
Hole Started: 10-17-56
Hole Finished: 11-20-56
Size of Hole: 7 inches
Depth: 540 Ft.
Driller: Fullerton
Helper: Sprague



LOG OF HOLE

0 -	65	Wash.
65 -	195	Lava. Bottom Hole 11-1-56
195 -	215	Lava.
215 -	248	Lava, Bleached, white.
248 -	268	Limestone, dark blue to white.
268 -	290	Dark shale.
290 -	340	Light brown to dark red shale. Little to no mica.
340 -	420	Gray shale. Small amounts mica.
420 -	427	Dark limestone and shale.
427 -	505	Gray shale. Very little mica.
505 -	515	Fault.
515 -	540	Pink quartzite.
	540	Bottom.

A - 1697

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

SALT LAKE PIOCHE CHURN DRILL HOLE NO. 3

DMEA Project No. 3629

December 31, 19 56

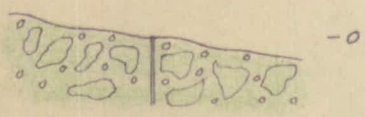
MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Coordinates: 13950.6-N 22666.0-E
Elevation: 5966.4
Location: Michigan claim - Survey No. 3769
Hole Started: 11-27-56
Hole Finished:
Size of Hole: 7 inches
Depth:
Driller: Fullerton
Helper: Sprague



LOG OF HOLE

0 - 65 Wash. Light red to dark red lava. Bottom 12-1-56

COMBINED METALS REDUCTION COMPANY

P. O. BOX 150
SALT LAKE CITY 10, UTAH

January 2, 1956

RECEIVED
JAN 11 1957
D.M.E.A.

Mr. S. Ricker
Executive Officer
DMEA Field Team, Region II
1635 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 3129
Combined Metals Reduction Co.
West Extension Black-Lead-Zinc
Contract IDM-E-767 - File 119-1A

Dear Mr. Ricker:

Attached are original and four copies of MF-104 and 104-A statements for the month of November, 1956 and to date, showing expenditures applied as follows -

Per Contract approved 3-2-55
Completion date extended by
Amendment No. 5 to 3-2-57

	Division of Expenditures		
	Total	Company	DMEA
	$98,2[illegible].00	$49,100.00	$49,100.[illegible]
Total spent to 11-1-56	49,112.00	24,556.00	24,556.[illegible]
Spent month of November, 1956	2,835.00	1,417.50	1,417.[illegible]
Total spent to 12-1-56	$51,947.00	$25,973.50	$25,973.[illegible]
Contract Balance 12-1 -	$46,253.00	$23,126.50	$23,12[illegible]

Also enclosed are -

1. Narrative Report of Progress
2. Copies of Invoices
3. Sketch A-1695 S.L. Pioche Churn Drill Hole No. 2
4. Sketch A-1697 S.L. Pioche Churn Drill Hole No. 3

Very truly yours,

O. F. Burton
Treasurer

Enc.
OFB-K

cc- Mr. E. H. Snyder
Mr. Paul Gemmill
Mr. R. G. Lee
Mr. H. E. Swanson
MCo.
File 119-1-A (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED NOV 14 1956 D.M.E.A.

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date 11/8/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area, Lincoln Co., Nev.

By Glenn G. Gentry

Dated 11/6/56

S. Richer
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

RECEIVED
NOV 14 1956
D.M.E.A.

INTERIM REPORT

Docket No. DMEA-3629 (Lead-zinc)
Combined Metals Reduction Co.
Caselton-Black Prince Area
Pioche, Lincoln County, Nev.
Contract No. Idm-E767

November 6, 1956

Accompanied by H. G. Lee representing the Operator, this area was visited on October 26 and 27.

Work under the contract was resumed on October 17 by means of a rotary drill rig which drilled the first hole on the Michigan claim to a depth of 120 feet. Due to caving ground, this drill hole had to be abandoned. Drilling by means of a churn drill was then started at approximately 10 feet distant from the rotary drill hole and has been successful in operation.

Log:

Rotary drill hole:

Depth: 120.0 feet (Abandoned at this depth)

Material: Loose overburden, quartzites and lava flow; no sulfide mineralization.

Churn drill hole No. 1 on Michigan claim

Depth: 145.0 feet

0.0 feet - 65 feet - overburden, quartzites

65.0 " - 145 " - red, porphyry material; no mineralization. Hole cased from collar to 65 feet.

Resume:

Drilling approved		14,000 feet
Previous reported	6,701 feet	
Advance 5/24-10/26	265	
		6,966
Uncompleted		7,034 feet

Expenditures approved	$98,200
Expended as of 9/30/56	46,907
Unexpended	$51,293

On October 9, 1956 the Operator requested an extension of four months time to March 2, 1957. Pursuant to this request, amendment No. 5, dated October 31, 1956, extending the contract period to on or before 24 months from date of contract, was prepared and mailed to the Operator for signature. Under this amendment, the contract will expire on March 2, 1957.

Glenn G. Gentry
Mining Engineer

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 October, 1956 Docket No. DMEA 3629 Contract No. Idm-C 767
Operator's Name Combined Metals Reduction Co. Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 95,000.00 Government Participation 50 % Amount, $ 48,000.00

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:				12/18/56		
Drilling	1,365.00	47,747.00	49,112.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,365.00	47,747.00	49,112.00			

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

Date Nov. 20, 1956 *Payee Combined Metals Reduction Co.

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:

$ 682.50

Signature _____
(Authorized Certifying Officer)

Date _____ Vou. No. SF-DMEA-18

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Mn-E 767 in accordance with the terms of the contract.

Signature Glenn E. Gentry Title Mining Engineer Date Nov. 23, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Wicker Title Executive Officer Date Nov. 23, 1956

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 1959)

Budget Bureau No. 42-R1151.2

RECEIVED DEC 10 1956 D.M.E.A.

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

Month of October, 1956 Docket No. DMEA 3629 Contract No. [illegible]767
Operator's Name Combined Metals Reduction Co. Minerals Lead-Zinc
Address P. O. Box 130, 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger	Feet	1,365.00	195.0	49,112.00	7,016.0	7.00	14000	7.00
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								98,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,365.00		49,112.00				

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

REMARKS:

Date Nov. 20, 1956 Operator Combined Metals Reduction Co.

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

Progress Report - Exploration Drilling for Month of October, 1956.

November 17, 1956

Mr. Paul Gemmill, General Manager

Reginald O. Lee

Dear Paul:

Drilling under DMEA Project/3629 on the Michigan Claim of the Salt Lake Fleche group of claims was recommenced on October 17th.

Churn drilling was again decided to be the best type of drilling in this area.

Advance was from surface to 195 feet of depth. The first 65 feet was in alluvium composed of prospect mountain quartzite and lava and rather loosely consolidated. From 65 feet to 195 feet was in lava flow rock.

It was necessary to case the hole to 65 feet with 7" I.D. casing.

COPY

Very truly yours,

Reginald O. Lee

Reginald O. Lee

FORM 25

I N V O I C E

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
November 1, 1956

TO:

Exploration Drilling
DMEA Project/3629
Contract No. Idm-E 767

Exploration drilling under DMEA Project/3629 during the month of October, 1956.

195 feet of churn drilling	@ $7.00	$ 1,365.00
Total for month of October, 1956		$ 1,365.00

APPROVED:

Certified True Copy:

A - 1695

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

SALT LAKE PIOCHE CHURN DRILL HOLE NO. 2

DMFA Project No. 3629

November 15, 1956

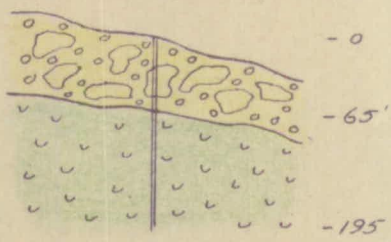
MADE BY Schrader

TRACED BY

CHECKED BY R G Lee

SCALE 1" = 200'

Location: Michigan claim - Survey No. 3769
Hole Started: 10-17-56
Hole Finished:
Size of Hole: 7 inches
Depth:
Driller: Fullerton
Helper: Sprague



LOG OF HOLE

0 - 65 Wash.
65 - 195 Lava. Bottom Hole 11-1-56

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

~~Arnold~~
~~Kling~~ J. Betty

Month of September 195 6 Docket No. DMEA 3629 Contract No. Ida-S 767
Operator's Name Combined Metals Reduction Company Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

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:	840.00	46,907.00	47,747.00	12/18/56		
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	840.00	46,907.00	47,747.00			

RECEIVED DEC 10 1956 D.M.E.A.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date November 20, 1956 *Payee Combined Metals Reduction Co.
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:

$ 420 00

Signature
(Authorized Certifying Officer)

Date Vou. No. SF-DMEa-18

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Kma-767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date Nov. 23, 1956

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature G. Ricker Title Executive Officer Date Nov. 23, 1956

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED DEC 10 1956 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1956 Docket No. DMEA 3629 Contract No. Dmc-E 767
Operator's Name Combined Metals Reduction Company 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								
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	840.00	120.0	47,747.00	6,821.0	7.00	14000	7.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								98,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		840.00		47,747.00				

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

Remarks:

Date Nov. 20, 1956 Operator Combined Metals Reduction Co.

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

Progress Report - Exploration Drilling for Month of September, 1956.

November 5, 1956

Mr. Paul Gemmill, General Manager

Reginald G. Lee

Dear Paul:

Exploration drilling under OMA Project/3629 was commenced on September 22nd on the Michigan claim of the Salt Lake Moche group of claims.

The Noah Drilling Company was to do the drilling with a rotary drill rig using either mud or compressed air to remove the cutting and to core through the C.-A. Beds.

However, the first hole was given up at 40 feet of depth, the second about 15 feet away from the first hole was lost at 20 feet, the last hole, about 60 feet away from the first and second hole was given up at 60 feet of depth.

None of the holes penetrated through the wash. Caving of the loosely consolidated wash material increased with depth. Circulation of mud did not help. The blowing of compressed air at high pressure at the bottom of the hole aggravated the loose material.

The Noah Drilling Co. felt that rotary drilling was not suitable for this type of formations.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

FORM 25

I N V O I C E

COMBINED METAL EXTRACTION COMPANY
Pioche, Nevada
October 1, 1956

To:

Exploration Drilling
DMEA Project/3629
Contract No. Idm-E 767

Exploration drilling under DMEA Project/3629 during the month of September, 1956.

120.0 feet of rotary drilling	$7.00	$ 840.00
Total for month of September, 1956		$ 840.00

APPROVED:

Paul Summill

N. E. Swanson

Certified True Copy:

Raymond G. Lee

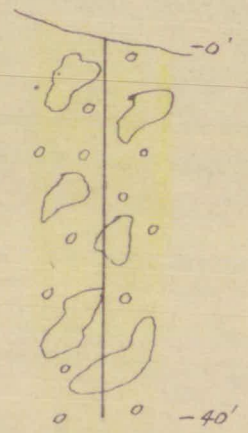
SALT LAKE PIOCHE RDH NO. 1a

Location: Michigan claim
Hole Started: 9-22-56
Hole Finished: 9-23-56
Depth: 40.0 ft.
Contractor: Moab Drilling Co.

Entire hole was drilled with a 4 3/4 inch rotary bit.

LOG OF HOLE

0 - 40.0 Wash.



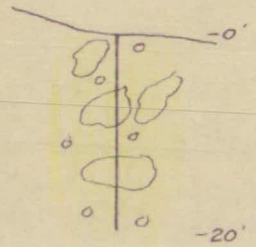
SALT LAKE PIOCHE RDH NO. 1b

Location: Michigan claim
Hole Started: 9-24-56
Hole Finished: 9-24-56
Depth: 20.0 ft.
Contractor: Moab Drilling Co.

Entire hole was drilled with a 4 3/4 inch rotary bit.

LOG OF HOLE

0 - 20.0 Wash.



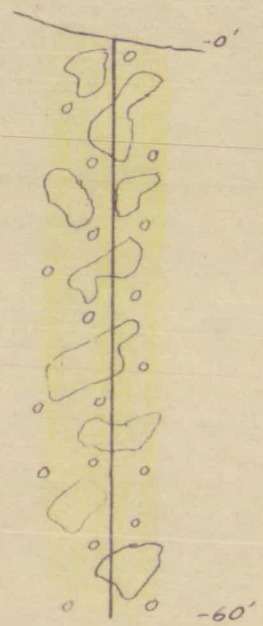
SALT LAKE PIOCHE RDH NO. 1c

Location: Michigan claim
Hole Started: 9-24-56
Hole Finished: 9-25-56
Depth: 60.0 ft.
Contractor: Moab Drilling Co.

Entire hole was drilled with a 4 3/4 inch rotary bit.

LOG OF HOLE

0 - 60.0 Wash.



A -1696

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

SALT LAKE PIOCHE ROTARY DRILL HOLES NO. 1a-1b-1c

DMPA Project No. 3629

MADE BY Schrader
TRACED BY
CHECKED BY R G Lee
SCALE 1" = 20'

November 16, 1956

DMEA W.O.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED OCT - 1 1956

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date September 27, 1956

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E 767

Commodity Lead-Zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area

By Glenn G. Gentry
Mining Engineer
Dated 9/27/56

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

RECEIVED
OCT - 1 1956

INTERIM REPORT

September 27, 1956

Docket No. DMEA-3629 (Lead-Zinc)
Combined Metals Reduction Co.
Caselton-Black Prince Area
Pioche, Lincoln County, Nevada
Contract No. Idm-E 767

Accompanied by Mr. R. G. Lee, representing the Operator, this area was visited on September 14, 1956. No work was being conducted and there is no progress to report.

Under Amendment No. 4, dated August 31, 1956, drilling was approved on the Michigan, Senator, BumAgain, and Contact Claims. The immediate objective is to drill four holes, approximating 1600 feet, on the Michigan Claim. The Operators have secured a new churn drill rig and expect to begin drilling in the near future.

Glenn G. Gentry,
Mining Engineer.

ACTION ON INTERI[illegible] 3629
OR FINAL FIELD TEAM REPORT
Date 9-30

Referred to:

1. ~~Mr. Mittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~[illegible]~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Amendment pending?

2.

3.

4.

and take appropriate action.

Action taken by Division:

Amendment sent to field

WRY

Robert L. Adams

RECEIVED
JUL 30 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 7/27/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area
Lincoln County, Nevada

By Glenn G. Gentry

Dated 7/27/56

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

RECEIVED
JUL 30 1956

INTERIM REPORT

Docket No. DMEA-3629 (Lead-zinc)
Combined Metals Reduction Co.
Caselton-Black Prince Area
Pioche, Lincoln County, Nevada
Contract No. Idm-E767

July 27, 1956

Accompanied by O. E. Schrader, representing the Operator, this area was visited on July 16. All churn drilling has been discontinued and will be held in abeyance pending the decision by DMEA relative to the Operator's request for a revised program.

The present contract will expire on November 2, 1956, and as the remaining uncompleted drilling amounts to 7,299 feet, it is probable that a further extension of time will be necessary.

Glenn G. Gentry
Mining Engineer

3629

Date 7-3

Referred to:

1. ~~Mr. Mitchenbaugh~~
2. ~~Mr. Johnson~~
3. ~~Mr. Cherubase~~
4. ~~Docket Control Mails and Files~~
5. ~~Chief Inspector~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Amendment requested to Shelf
2. Work. Recommended
3. by unidentified
4. examiner.

and take appropriate action.

Action taken by Division:

Poster stock is "the unidentified examiner". Request for amendment ~~bet~~ being referred to Commodity member - life for URY.

Initials

RECEIVED
JUL 2 - 1956

INTERIM REPORT

JUN 26 1956

DMEA-3629 (lead-zinc)
Combined Metals Reduction Co.
Lincoln County, Nevada
Contract Idm-E767

The subject operators have submitted a request for an amendment (No. 4) relative to the exploration by drilling of the East Pioche area. The present request involves the proposed drilling of four holes, totaling 2,000 feet.

A preliminary discussion of the geologic factors which concern the new work is contained in an interim report dated May 14, 1956. A brief resume follows:

The applicants, having established the existence of a relatively continuous section of the CM bed in the East Pioche area by churn drilling, now desire to conduct a drilling program designed to penetrate the CM bed within the sphere of influence of the Apex fissure zone. The proposed exploration is considerably closer to known mineralization than the recently completed churn drilling efforts. A strong easterly-dipping normal fault has offset the generally east-striking Yuba Dike approximately 800 feet to the south in the hanging wall or east block of the fault. The displacement is established in the Telephone-Wide Awake Shaft area (work accomplished by John Janney). It is expected that a similar displacement will have been effected on the Apex fissure,

a more northerly structure paralleling the strike of the Yuba Dike in the foot wall of the east-dipping normal fault. Considerable early production was realized from the Apex fissure principally in the Prospect Mountain quartzite which forms the foot wall or west block of the normal fault. It is anticipated that the Apex fissure in the downthrown or east fault block will intersect the receptive CM limestone and thereby provide an ore locus. It is reported that the CM bed was exposed in the Telephone shaft about 1800 feet S. 20° E. from the proposed drill holes. Additional evidence of the existence of the favorable strata in the area is provided in the 150 level connecting drift between the No. 4 shaft (FW side of normal fault on Apex fissure) and the Justice Shaft (HW side of normal fault) which cut some manganese mineralization in the thin upper limestones of the Pioche shale.

It is believed that a north-striking fence of four drill holes across the projected offset position of the Apex fissure will adequately test the ore potential of this block of ground. It is recommended, therefore, that the applicants be granted an amendment which will authorize this proposed work. There is ample unexpended drill footage remaining in this project to cover the new proposals.

RMEA

RECEIVED
JUN 6 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 6/6/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area
Pioche, Lincoln County, Nevada

By Glenn G. Gentry

Dated 5/31/56

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.
JUN 8 7 54 AM '56

INTERIM REPORT

DMEA-3629 (Lead-zinc)
Combined Metals Reduction Co.
Caselton-Black Prince Area
Pioche, Lincoln County, Nevada
Contract No. Idm-E767

May 31, 1956

Accompanied by O. E. Schrader, representing the operator, inspection was made on May 24. Churn drill hole No. 27 was completed at a depth of 1,435 feet and due to negative results all drilling has been temporarily discontinued.

The Operator is reviewing the geological data obtained from the drill holes and expects to submit a revised drilling program for consideration. Under date of April 18, 1956, Amendment No. 3 extended the date of completion to 20 months from the date of the contract. Therefore, the new expiration date will be November 2, 1956.

Resume of completed drilling:

Drilling approved . . . . . 14,000 feet

Hole No.	Depth, feet	Gov't participation		
2	1,600	555 feet		
3	1,439	1,439 "		
4	1,315	1,315 "		
25	1,177	657 "		
26	1,300	1,300 "		
27	1,435	1,435 "		
	8,266	6,701 "		6,701
			Not completed	7,299 feet

Financial: Expenditures approved $98,200
Expended as of 4/30/56 46,907
Unexpended $51,293

It was suggested to the Operator that drilling of the Alliance hole on the Lost Treasure claim could be conducted while revision of the program was under consideration. However, the Operator has not as yet allocated funds for this drill hole.

Glenn G. Gentry
Mining Engineer

ACTION [illegible]

Date 5/21/56

Referred to:

1. ~~[illegible]~~
2. ~~[illegible]~~
3. ~~[illegible]~~
4. ~~Docket Control Mails and Files~~
5. ~~[illegible] Division~~
6. Docket Control Mails and Files

Note comments in report regarding:

1. In trouble!

2.

3.

4.

and take appropriate action.

- - - - - -

Action taken by Division:

None

WPS

ROBERT E. ADAMS

Initials

R m E

RECEIVED
MAY 21 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 5/17/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince area
Lincoln County, Nevada

By R. W. Osterstock

Dated 5/16/56

S. Ricker
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.
MAY 21 9 4 AM '56

RECEIVED
MAY 21 1956

INTERIM REPORT

DMEA-3629 (lead-zinc)
Combined Metals Reduction Co.
Caselton-Black Prince area
Lincoln County, Nevada
Contract No. Idm-E767

MAY 16 1956

Churn drilling in the East Pioche area has been halted following the completion of CDH No. 27. This hole was bottomed at 1435 feet in Prospect Mountain quartzite, after having penetrated a considerably reduced section of the target CM bed from 1218-1230 feet. It is apparent that thrusting or some other form of fault action has disturbed the section in the vicinity of the CM bed. No interesting amounts of mineralization were noted in the sludge from the hole.

Thus the East Pioche or Acme section has been penetrated by four churn drill holes with essentially negative results as regards ore mineralization. Briefly, the holes are as follows:

CDH No. 24 Shortened section of CM limestone from 1195-1215. Total depth 1310 ft.

CDH No. 25 Full section of CM limestone from 1098-1138. Total depth 1177 ft.

CDH No. 26 Full section CM limestone from 1220-1250. Total depth 1300 ft.

CDH No. 27 Shortened Section of CM limestone from 1218-1230. Total depth 1435 ft.

The churn drilling has established the existence of a relatively undisturbed section of the Pioche formation in the East Pioche area, although the area is much broken with local irregularities in the section. It is conceivable that ore bodies of significant size and grade may yet be present in the drilled area inasmuch as the churn drill holes are on a much wider spacing (about 800 feet) than the known maximum width (about 400 feet) of the Caselton ore channel. This possibility, however, would seem to be substantially disproved by the lack of any encouraging signs in any of the drill holes. No widespread alteration or pyritization or increased manganese content was noted nor was the Yuba dike located by drilling.

Following this phase of operations, the operators requested and were granted an extension of contract expiration from May 2, 1956 to November 2, 1956.

A conference with L. Requa, company geologist, on May 4, 1956 revealed that the operators are now engaged in formulating an exploration drilling program nearer the known ore-carrying Caselton channel area. Specifically, the new program will consist of drilling a fence of four holes in the hanging wall of the strong northwesterly-striking normal fault. The target of this exploration effort will be the CM bed where intersected by

the offset extension of the Apex fissure which was productive in the quartzite footwall of the strong normal fault. The Apex fissure offset is presumed to be essentially the same as the displacement of the Yuba dike or about 800 feet to the south in the hanging wall of the normal fault. It is expected the CM bed will be encountered by drill holes 400 feet or less in depth.

Requa stated that the operators intend to submit the new proposal on or about May 11, 1956. Some further delay may be required while the operators obtain and renew lease agreements relative to the expanded block of subordinated ground. A more complete discussion and recommendations will be submitted if requested by the Region II Field Team.

During the present period of inactivity of the three part project it was suggested that the drilling already approved be started in the Alliance area. Requa, as spokesman for the operators, notes that separate financial arragements for the three projects to date have materialized only for the East Pioche drilling and that no company funds are available as yet for either the Rosie or Alliance projects.

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

Budget Bureau No. 42-R1036.5

RECEIVED MAY 29 1956
JUN - 6 1956

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

Month of April, 1956 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name COMBINED METALS REDUCTION COMPANY Minerals Lead-Zinc
Address 218 Felt Building, Salt Lake City, Utah, P. O. Box 150
Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

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	560.00	46,347.00	46,907.00	7/18/56	WPK.	
Bulldozing						
Crosscutting						
Drifting						Betty
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	560.00	46,347.00	46,907.00			

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

Date May 18, 1956 Payee COMBINED METALS REDUCTION COMPANY

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:

$ 280.00

Signature
(Authorized Certifying Officer)

Date MAY 31 1956 Vou. No. SF-Dmea-35

(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-E767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 5/28/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 5/28/56

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

RECEIVED
JUN 1 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1956 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name COMBINED METALS REDUCTION COMPANY Minerals Lead-Zinc
Address 218 Felt Building, Salt Lake City, Utah, P. O. Box 150

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Ft.	560.00	80.0	46,907.00	6,701.0	7.00	14000	7.00
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								-
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								98,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		560.00		46,907.00				

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

Date May 18, 1956 Operator COMBINED METALS RED. CO.

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

Progress Report on Exploration Drilling for Month of April, 1956.

May 12, 1956

Mr. Paul Gemmill, General Manager

Reginald G. Lee

Dear Paul:

Exploration drilling under BMBA Project/3629 made a progress of 80.0 feet during the month of April, 1956.

Churn Drill Hole No. 27 on the Acme Group of Claims advanced from 1355.0 feet to 1435.0 feet during the first 12 days of the month. The hole was terminated in Prospect Mountain quartzite at 1435 feet.

All casing was pulled, equipment and tools gathered and transported to the Caselton yard. No. 3 Drill Rig was left on the ground at Acme.

Log of advance for the month:

From 1355 to 1385 in "D" Shale.
From 1385 to 1395 in "E" Shale and brown quartzite.
From 1395 to 1425 in gray-white quartzite and interbedded shale.
From 1425 to 1435 in hard gray-white quartzite.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

COPY

FORM 25

[illegible]

[illegible] Exploration Company
Fiacha, Nevada
May 1, 1956.

To:

Exploration Drilling
[illegible] Project/3629
Contract No. [illegible] 767

Exploration drilling under [illegible] Project/3629 during the month of April, 1956.

80.0 feet of churn drilling	$7.00	$ 560.00
Total for month of April, 1956		$ 560.00

Approved:

Frank H. Anderson

[illegible]

Certified True Copy:

[illegible]

A - 1685

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 27

DMEA Project No. 3629

December 8, 19 55

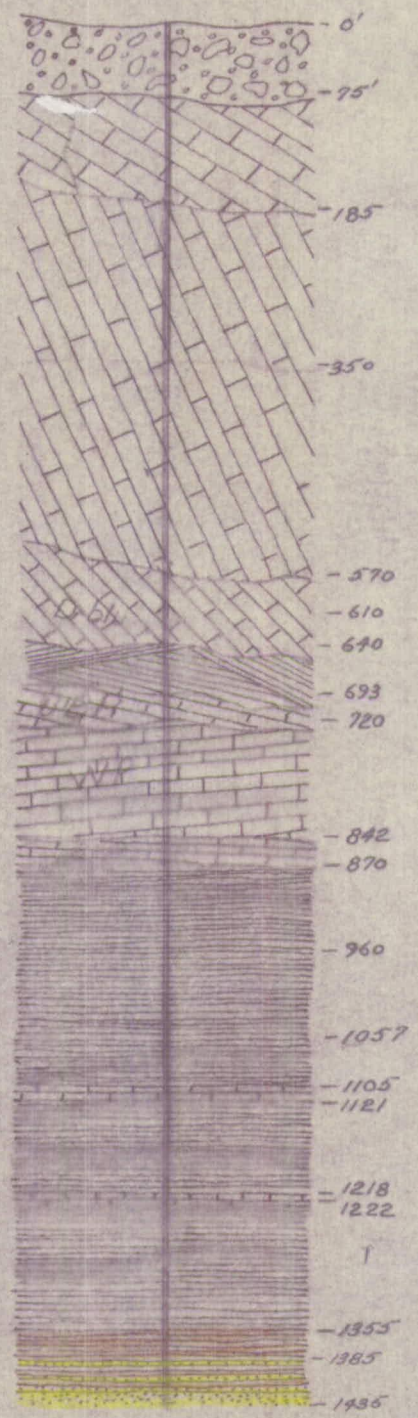
MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Location - Claim: Cora 14
Hole Started: 11-5-55
Hole Finished: 4-12-56
Size of Hole: 12 inches
Depth: 1435 ft.
Drillers: Schuh, Fullerton
Helpers: Orr, Sprague



LOG OF HOLE

0 - 75	Wash.	
75 - 185	Blue limestone, hard.	
185 - 350	Grey limestone, hard.	Bottom hole 12-1-55
350 - 570	Grey limestone, hard.	
570 - 610	Blue limestone, hard.	Bottom hole 1-1-56
610 - 640	Blue limestone (Davidson Blue ls.?)	
640 - 693	Chisholm shale.	
693 - 720	Upper Blue Prince limestone.	
720 - 842	White Prince limestone.	
842 - 870	Lower Blue Prince limestone.	
870 - 960	Pioche "A" shale.	Bottom hole 2-1-56
960 - 1057	Pioche "A" shale.	Bottom hole 3-1-56
1057 - 1105	Shale.	
1105 - 1121	Limestone.	
1121 - 1218	Shale.	
1218 - 1222	Limestone.	
1222 - 1229	Shale and limestone, interbedded.	
1229 - 1349	Shale.	
1349 - 1355	Shale with white and pink quartz.	Bottom hole 4-1-56
1355 - 1385	"D" shale.	
1385 - 1395	"D" shale with brown quartzite.	
1395 - 1425	Gray white quartzite and interbedded shale.	
1425 - 1435	Hard gray white quartzite.	
1435	Bottom of hole.	4-12-56

3629

Date 5-3

Referred to:

1. ~~Mrs Mitchenor~~
2. ~~Mrs. Johnson~~
3. ~~Mrs Chambers~~
4. Docket Control Mails and Files
5. Bus Mult Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Time extension involved
2.
3.
4.

and take appropriate action.

- - - - - -

Action taken by Division:

Initials

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 4/30/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area
Lincoln County, Nevada

RECEIVED
MAY 2 - 1956

By Glenn G. Gentry

Dated 4/17/56

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

APR 27 1956

INTERIM REPORT

DMEA-3629 (Lead-zinc)
Combined Metals Reduction Co.
Caselton-Black Prince Area
Lincoln County, Nevada
Contract No. Idm-E767

This contract is relative to the churn drilling program conducted by the above operator.

The original contract date was effective as of March 2, 1955, and Amendment No. 2, dated October 6, 1955, extended the period to 14 months or completion on May 2, 1956. The present request for an extension of 20 months from date of contract would mean expiration on November 2, 1956.

Resume:

	Feet
Total drilling approved	14,000
Total drilling completed as of 3/31/56	6,636
Not completed	7,364

Financial:

Amount of contract:	$98,200
Expenditures as of 2/29/56	44,261
	$53,939

RECEIVED
MAY 2 - 1956

Additional drilling has been approved on the Alliance hole, Lost Treasure claim, and can be done while a further study of the program is being made. Additional time is considered necessary and advisable, and the extension to Nov. 2, 1956 is recommended.

Glenn G. Gentry
Mining Engineer

3629

[illegible]

Date 4-16

Referred to:

1. ~~[illegible]~~
2. ~~Mr. Robinson~~
3. ~~Mr. Shumiatcher~~
4. ~~Docket Control Mails and Files~~
5. ~~[illegible]~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Time extension
2. [illegible] up
3.
4.

and take appropriate action.

- - - - -

Action taken by Division:

Waiting field recommendation requested

ROBERT E. ADAMS

Initials

RECEIVED
APR 16 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 4/11/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area
Lincoln County, Nevada

By Glenn G. Gentry

Dated 4/10/56

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

INTERIM REPORT

RECEIVED
APR 13 1956

Docket No.: DMEA-3629 (Lead-zinc) April 10, 1956

Name and address of operator: Combined Metals Reduction Co.
218 Felt Building
Salt Lake City, Utah

Name and location of property: Caselton-Black Prince Area
Pioche, Lincoln County, Nevada

Contract No.: Idm-E767

Accompanied by Messrs. R. G. Lee and O. E. Schrader, representing the operator, this area was inspected on March 31, April 2 and 3, 1956.

Churn drill hole No. 26 was completed on February 16, 1956 at a depth of 1300 feet. The drill rig was then removed, and replaced the drill rig on CDH 27. One drill rig is therefore idle at the present time. Drill hole 26 encountered the CM Beds at 1220 feet and went out of the beds at about 1260 feet. Panning of the sludges showed only a small amount of fine grained, iron pyrite mineralization. However, samples of the sludges were secured and the analyses will be submitted in the next interim report from samples BM-1943 to 1959, incl.

At 5 o'clock P.M. on April 3, the churn drill hole No. 27 had reached a depth of 1370 feet and was drilling in gouge material containing some pieces of quartzite. Panning of this material indicated considerable iron sulphides and one sample of sludge from

1355 feet to 1360 feet was obtained for analyses. The results of this sample will be submitted in the next interim report.

This drill hole has been cased from the collar to a depth of 1030 feet, and a flow of water was encountered at 1115 feet. Drilling is conducted during one 12-hour shift and 6 days per week. Progress is presently maintained at approximately 20 feet per day, and the operator expects to complete the drill hole during the month of April.

No lead-zinc minerals have been observed in the sludge samples examined.

The operator is undecided as to the location of the next drill hole, No. CDH 28, and will probably desire a review of the geological sections of CDH 26 and 27 prior to requesting permission for additional drilling in this area.

During this period of further study and review, the operator is considering drilling the Alliance hole on the Lost Treasure claim at coordinates 20110N and 6370E. The road to the drill site and the drill site have been completed.

Work completed:

		Feet
CDH No. 26:	Previously reported	1,174
	Advance 2/2 - 4/3/56	126
	Total depth	1,300
CDH No. 27:	Previously reported	1,008.3
	Advance 2/2 - 4/3/56	361.7
	Total depth	1,370.0

	Feet
Total drilling approved by contract	14,000
Total drilling completed	6,636
Uncompleted	7,364

Financial:

Amount of contract	$98,200.00
Expenditures as of 2/29/56	44,261.00
Unexpended	$53,939.00

Contract period:

The contract expires on May 2, 1956 and this matter was called to the attention of the operator's representatives. It is evident that additional time will be required to complete the contract. The examiner recommends that the necessary extension of time be allowed.

Glenn G. Gentry
Mining Engineer

A - 1683

REFERENCES

COMBINED METALS REDUCTION CO.

Pioche, Nevada

ACME CHURN DRILL HOLE NO. 26

DMEA Project No. 3629

September 9, 19 55

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

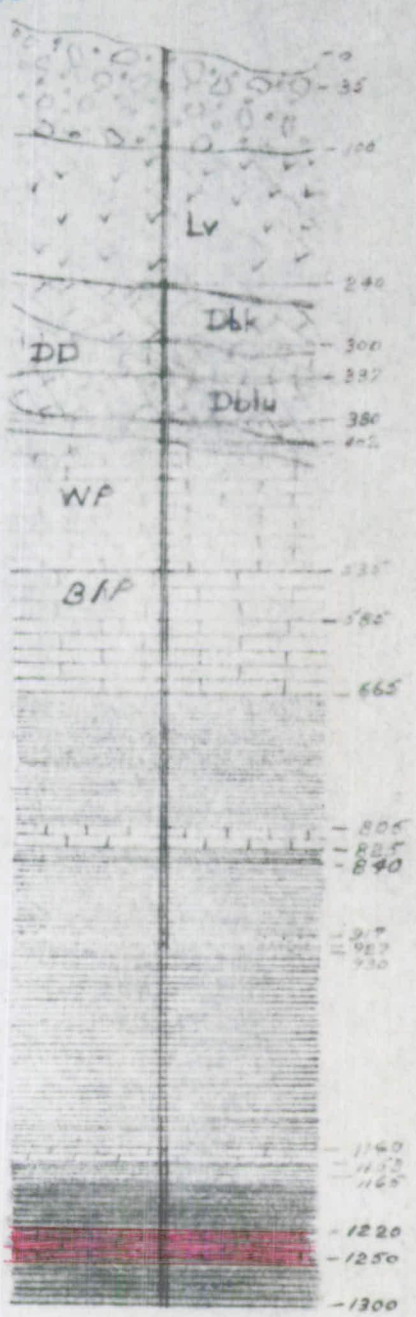
SCALE 1" = 200'

RECEIVED
APR 16 1956

Location-Claim: Bumagain No. 8
Hole Started: 8-30-55
Hole Finished: 2-16-56
Size of Hole: 10 inches
Depth: 1300 ft.
Drillers: Schuh, Fullerton
Helpers: Orr, Sprague

LOG OF HOLE

0 -	35	Wash. Bottom hole 9-1-55
35 -	110	Wash.
110 -	240	Lava, welded tuff flow rock.
240 -	300	Davidson black limestone.
300 -	337	Davidson dolomite.
337 -	380	Davidson blue limestone.
380 -	402	Chisolm shale.
402 -	535	White Prince limestone.
535 -	585	Blue Prince limestone. Bottom hole 10-1-55
535 -	665	Blue Prince limestone.
665 -	805	Pioche "A" shale.
805 -	825	Hard limestone. Bottom hole 11-1-55
825 -	840	Lower Pioche "A" shale. Bottom hole 12-1-55
840 -	918	Lower Pioche "A" shale.
918 -	928	Sandstone bed.
928 -	930	Pioche "B" shale. Bottom hole 1-1-56
930 -	1140	Pioche "B" shale.
1140 -	1153	Limey shale. Susan Duster?
1153 -	1165	Pioche "C" shale. Bottom hole 2-1-56
1165 -	1220	Pioche "C" shale.
1220 -	1250	C.M. limestone bed.
1250 -	1300	"D" shale. Bottom of hole.



A - 1065

COMBINED METALS REDUCTION
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 27

DMEA Project No. 3629

December 8, 1955

MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Location - Claim: Corn 14
Hole Started: 11-3-55
Hole Finished:
Size of Hole: 12 inches
Depth:
Drillers: Schuh
Helpers: Orr

LOG OF HOLE

0 - 75	Wash.	
75 - 185	Blue limestone, hard.	
185 - 350	Grey limestone, hard.	Bottom hole 12-1-55
350 - 570	Grey limestone, hard.	
570 - 610	Blue limestone, hard.	Bottom hole [illegible]
610 - 640	Blue limestone (Davidson Blue ls.?)	
640 - 693	Chisholm shale.	
693 - 720	Upper Blue Prince limestone.	
720 - 842	White Prince limestone.	
842 - 870	Lower Blue Prince limestone.	
870 - 960	Pioche "A" shale.	Bottom hole 2-1-56
960 - 1057	Pioche "A" shale.	Bottom hole 3-1-56

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

Budget Bureau No. 42-R1036.5

RECEIVED
MAY 7 - 1956

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

Month of March, 1956 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name COMBINED METALS REDUCTION COMPANY Minerals Lead-Zinc
Address 216 Felt Building, P O Box 150, Salt Lake City, Utah
Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

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	2,086.00	44,261.00	46,347.00	5/31/26	[illegible]	[illegible]
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,086.00	44,261.00	46,347.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 4/24/56 *Payee COMBINED METALS REDUCTION COMPANY
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:

$ 1043.00

Signature [illegible] (Authorized Certifying Officer)

Date MAY 1956 Vou. No. SF-DMEA-33

(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-E767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 4/30/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature G. Ricker Title Executive Officer Date 4/30/56

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

RECEIVED
MAY 7 - 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1956 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name COMBINED METALS REDUCTION COMPANY Minerals Lead-Zinc
Address 218 Felt Building, 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	2,086.00	298.0	46,347.00	6621.0	7.00		
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,086.00		46,347.00				

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

REMARKS:

Date 4/24/56 Operator COMBINED METALS REDUCTION CO.

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
MAY 7 - 1956

Progress Report on Exploration Drilling - DMEA Project/3629 for Month of March, 1956.

April 12, 1956

Mr. Paul Gemmill, General Manager

Reginald G. Lee

Dear Paul:

Exploration drilling under DMEA Project/3629 made a progress of 298.0 feet during the month of March, 1956.

All of this advance was in U.S.M. No. 27 from 1057.0 feet to 1355.0 feet, on the Acme Group of Claims.

During the first week of the month 7" I.D. casing was installed from the collar to 1031 feet. Drilling was resumed and no further difficulty was experienced from caving.

Log of the advance for the month:

From 1057' to 1105' - Pioche Shale "C".
From 1105' to 1115' - Susan Dunter Limestone.
From 1115' to 1218' - Pioche Shale "C".
From 1218' to 1222' - C.M. Limestone.
From 1222' to 1230' - C.M. Ls and Pioche Shale "C" Interbedded.
From 1230' to 1355' - Pioche Shale "D".

The churn drill hole should be extended through "D" Shale to the quartzite in order to establish a full section of the Pioche Shale in this area.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

COPY

FORM 25

I N V O I C E

CONSOLIDATED METALS REDUCTION COMPANY
Pioche, Nevada
April 1, 1956.

TO:

Exploration Drilling
DMEA Project/3629
Contract No. Idm-S 767

Exploration drilling under Project/3629 during the month of March, 1956.

298.0 feet of churn drilling @ $7.00	$ 2,068.00
Total for month of March, 1956	$ 2,068.00

APPROVED:

Ted Rummill

Charles H. Anderson

Certified True Copy:

Raymond G. Lee

A-1685

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 27

DMEA Project No. 3629

December 8, 19 55

MADE BY Schrader

TRACED BY

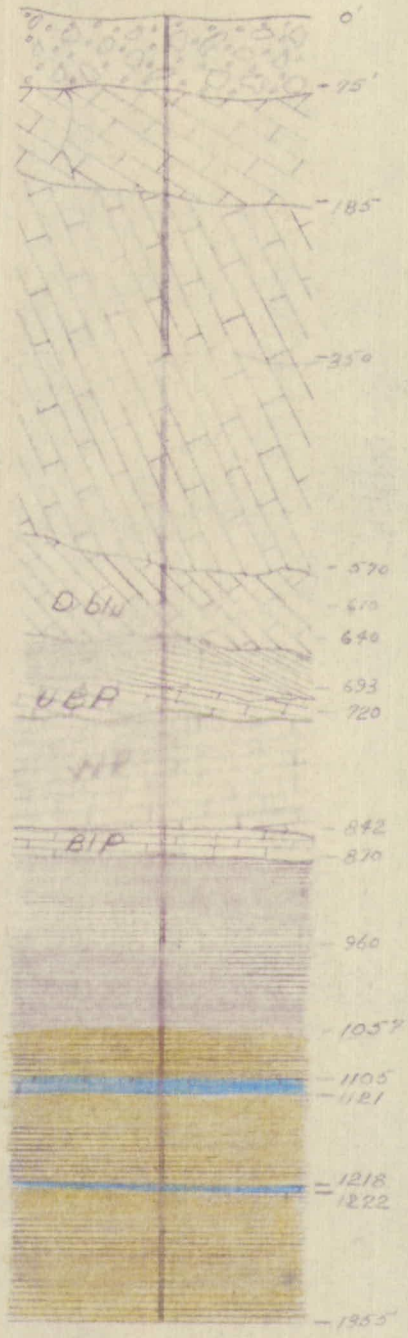
CHECKED BY R. G. Lee

SCALE 1" = 200'

Location - Claim: Cora 14
Hole Started: 11-5-55
Hole Finished:
Size of Hole: 12 inches
Depth:
Drillers: Schuh
Helpers: Orr

LOG OF HOLE

0 - 75	Wash.	
75 - 185	Blue limestone, hard.	
185 - 350	Grey limestone, hard.	Bottom hole 12-1-55
350 - 570	Grey limestone, hard.	
570 - 610	Blue limestone, hard.	Bottom hole 1-1-56
610 - 640	Blue limestone (Davidson Blue ls.?)	
640 - 693	Chisholm shale.	
693 - 720	Upper Blue Prince limestone.	
720 - 842	White Prince limestone.	
842 - 870	Lower Blue Prince limestone.	
870 - 960	Pioche "A" shale.	Bottom hole 2-1-56
960 - 1057	Pioche "A" shale.	Bottom hole 3-1-56
1057 - 1105	Shale.	
1105 - 1121	Limestone.	
1121 - 1218	Shale.	
1218 - 1222	Limestone.	
1222 - 1229	Shale and limestone, interbedded.	
1229 - 1349	Shale.	
1349 - 1355	Shale with white and pink quartz.	Bottom hole 4-1-56



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

Budget Bureau No. 42-R1036.5

RECEIVED
APR 11 1956

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

Month of February, 1956 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Company Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $98,000.00 Government Participation: 50 % Amount, $49,000.00

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	1,414.00	42,847.00	44,261.00	4/12/56	40 RK	Griswold Klingenbeck Betty
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,414.00	42,847.00	44,261.00			

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

Date 3-16-56 *Payee COMBINED METALS REDUCTION CO.

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:

$ 707 00

Signature
(Authorized Certifying Officer)

Date Vou. No. SF-DMEA-31

(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-E767 in accordance with the terms of the contract.

Signature Glenn C. Gentry Title Mining Engineer Date 3/20/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 3/20/56

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
APR 11 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 195 6 Docket No. DMEA 3629 Contract No. [illegible]
Operator's Name Combined Metals Reduction Company 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	1,414.00	202.0	44,261.00	6,323.0	7.00	14000	7.00
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								98,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,414.00		44,261.00				

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

Date 3-10-56 Operator COMBINED METALS RED. CO.

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

COMBINED METALS REDUCTION COMPANY

RECEIVED
APR 11 1956

Progress Report on Exploration Drilling - DMEA Project/3629 for Month of February, 1956.

March 7, 1956

Mr. Paul Gemmill, Plant Manager

Reginald G. Lee

Dear Paul:

Exploration Drilling under DMEA Project/3629 totaled 202.0 feet of Churn Drilling for the month of February, 1956.

Two drill rigs were in operation, one on C.D.H. No. 26 on the Salt Lake Fissure group of claims, the other on C.D.H. No. 27 on the Acme group of claims.

C.D.H. No. 26 advanced from 1165.0' to 1300.0' at which point the drill hole had cut through its objective and was terminated. Formations drilled through were: from 1165' to 1220' "C" Shale, from 1220' to 1260' C.M. Bed, from 1260' to 1280' siliceous footwall shale, from 1280' to 1300' "B" Shale. The hole was completed on February 17th.

No lead or zinc was found in the C.M. Bed, some pyrite was noted in the drill cuttings. Assays of samples taken at 5 foot intervals through the C.M. Bed showed only traces of lead and zinc.

C.D.H. No. 27 was advanced from 990' to 1037', all in "A" Shale. Some water seepage was encountered at 1040 feet which resulted in caving of the soft "A" Shale. Installation of 7" I.D. casing will be completed during the first week of March, after that the hole should advance at normal rate.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

FORM 25

I N V O I C E

RECEIVED
APR 1 1 1956

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
March 1, 1956.

TO:

Exploration Drilling Project
DMEA Project Dicket No. 3629
Contract No. Idm-X 767

Exploration Drilling under DMEA Project/3629 during the month of February, 1956.

202.0 feet of Churn Drilling	@ $7.00	$ 1,414.00
Total for month of February, 1956		$ 1,414.00

APPROVED:

Charles H. Anderson

Certified True Copy:

Raymond G. Lee

A - 1683

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 26

DMEA Project No. 3629

September 9, 19 55

MADE BY Schrader

TRACED BY

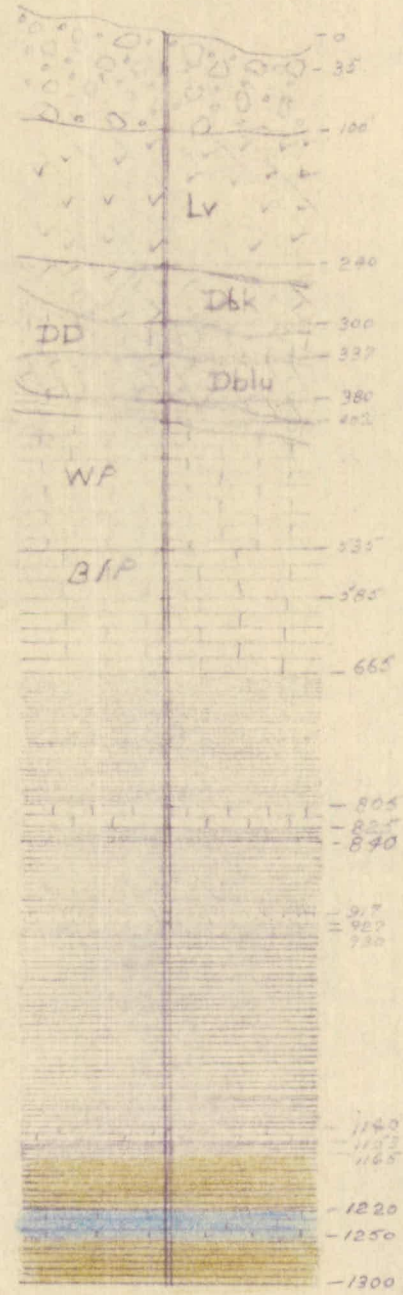
CHECKED BY R.G. Lee

SCALE 1" = 200'

Location-Claim: Bumagain No. 8
Hole Started: 8-30-55
Hole Finished: 2-16-56
Size of Hole: 10 inches
Depth: 1300 ft.
Drillers: Schuh, Fullerton
Helpers: Orr, Sprague

LOG OF HOLE

0 - 35	Wash.	Bottom hole 9-1-55
35 - 110	Wash.	
110 - 240	Lava, welded tuff flow rock.	
240 - 300	Davidson black limestone.	
300 - 337	Davidson dolomite.	
337 - 380	Davidson blue limestone.	
380 - 402	Chisolm shale.	
402 - 535	White Prince limestone.	
535 - 585	Blue Prince limestone.	Bottom hole 10-1-55
535 - 665	Blue Prince limestone.	
665 - 805	Pioche "A" shale.	
805 - 825	Hard limestone.	Bottom hole 11-1-55
825 - 840	Lower Pioche "A" shale.	Bottom hole 12-1-55
840 - 918	Lower Pioche "A" shale.	
918 - 928	Sandstone bed.	
928 - 930	Pioche "B" shale.	Bottom hole 1-1-56
930 - 1140	Pioche "B" shale.	
1140 - 1153	Limey shale. Susan Duster?	
1153 - 1165	Pioche "C" shale.	Bottom hole 2-1-56
1165 - 1220	Pioche "C" shale.	
1220 - 1250	C.M. limestone bed.	
1250 - 1300	"D" shale. Bottom of hole.	



A-1385

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 27

DMEA Project No. 3629

December 8, 19 55

MADE BY Schrader

TRACED BY

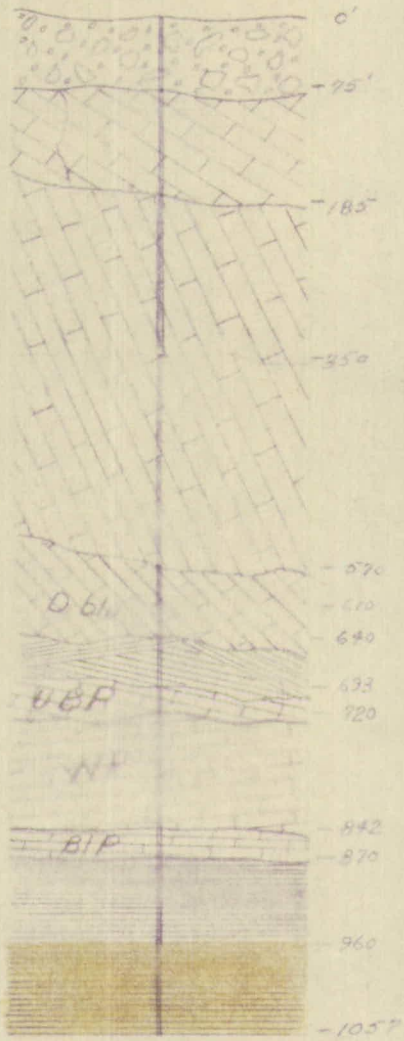
CHECKED BY R. G. Lee

SCALE 1" = 200'

Location - Claim: Cora 14
Hole Started: 11-5-55
Hole Finished:
Size of Hole: 12 inches
Depth:
Drillers: Schuh
Helpers: Orr

LOG OF HOLE

0 - 75	Wash.	
75 - 185	Blue limestone, hard.	
185 - 350	Grey limestone, hard.	Bottom hole 12-1-55
350 - 570	Grey limestone, hard.	
570 - 610	Blue limestone, hard.	Bottom hole 1-1-56
610 - 640	Blue limestone (Davidson Blue ls.?)	
640 - 693	Chisholm shale.	
693 - 720	Upper Blue Prince limestone.	
720 - 842	White Prince limestone.	
842 - 870	Lower Blue Prince limestone.	
870 - 960	Pioche "A" shale.	Bottom hole 2-1-56
960 - 1057	Pioche "A" shale.	Bottom hole 3-1-56



RECEIVED
FEB 27 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 2/23/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property East Pioche Project, Lincoln County, Nevada

By R. W. Osterstock, USGS

Dated 1/23/56

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

IN REPLY REFER TO:

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

RECEIVED
FEB 27 1956

January 23, 1956

Memorandum

To: R. M. Smith, DMEA Field Team, Region II

From: R. W. Osterstock

Subject: DMEA-3629 (lead-zinc) Combined Metals Reduction Co.
East Pioche Project, Lincoln County, Nevada
Contract No. Idm-E767
INTERIM REPORT

The subject property was visited on January 18, 1956 by R. W. Osterstock (USGS). Mr. R. G. Lee was present as a representative of the Operator.

Exploration by churn drilling continues at the East Pioche project; at the time of inspection two drill holes, Nos. 26 and 27, were on a one shift per day basis.

Churn drill hole No. 26 is once again making footage after a considerable delay following the loss of drilling tools at about 825 feet. After an unsuccessful attempt to recover the tools it was decided that drilling past the tools might be possible; although the hole was deepened to 865 feet it was obvious that this method was not satisfactory. As a final measure, the operators decided to ream and case past the stuck tools. This operation was accomplished about December 20, 1955 and drilling has progressed without further difficulty since that time.

Following is a brief log of the hole to January 18, 1956:

0-110	Wash
110-240	Lava, welded tuff and flow rock
240-300	Davidson black limestone
300-337	Davidson dolomite
337-380	Davidson blue limestone
380-402	Chisolm shale
402-535	White Prince limestone
535-670	Blue Prince limestone
670-918	Pioche "A" shale
918-928	Sandstone marker
928-1055	Pioche "B" shale

The driller reports that the water table was encountered at about 1,003 feet.

According to the measured sections to which the operators refer for stratigraphic control the hole should continue in "B" shale to about 1,080 feet and intersect the Susan Duster (generally less than 20 feet thick) before entering "C" shale. With an expected thickness of 100 feet for the "C" shale the top of the CM limestone should be encountered between 1,180 and 1,200 feet. This approximation is, of course, based on an undisturbed section, faulting may change the figure in either direction.

Churn drill hole No. 27 has progressed on about a 15 foot per shift basis since it was collared November 5, 1955. On January 18, 1956 the hole had reached a depth of 805 feet. A brief log of the hole follows:

0 - 105	Overburden and wash
105 - 640	Highland Peak gray and blue limestone and dolomite
640 - 693	Chisolm shale
693 - 720	Upper Black Prince
720 - 805	White Prince

The expected section below this point is as follows:

805 - 860 White Prince (con't) (Total W.P. 140')
860 -1030 Lower Black Prince (Total l.B.P. 170')
1030-1355 "A" shale (Total "A" sh. 325')
1355-1390 Sandstone marker (Total as 35')
1390-1525 "B" shale (Total "B" sh. 135')
1525-1545 Susan Duster (Total S.D. 20')
1545-1645 "C" shale (Total "C" sh. 100')
Top of CM bed.

As in previous holes the expected section may be altered considerably by the action of faulting.

R M E A

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 2/17/56

Memorandum

To: Operating Committee, DMEA, Interior Bldg., Wash., D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on

Docket No. DMEA-3629

Contract No. Idm-E767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area
Lincoln County, Nevada

By Glenn G. Gentry & Walter Bank

Dated 2/14/56

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

INTERIM REPORT

Docket No.: DMEA-3629 (Lead-zinc) February 14, 1956

Name and address of operator: Combined Metals Reduction Co.
218 Felt Bldg.
Salt Lake City, Utah

Name and location of property: Caselton-Black Prince Area
Pioche, Lincoln County, Nevada

Contract No.: Idm-E767

Accompanied by R. G. Lee, representing the Operator, the churn drilling of this area was inspected on February 2, 1956. Churn drill hole No. 26 had reached a depth of 1,174.0 feet and churn drill hole No. 27 had reached a depth of 1,008.3 feet. These measurements were made by the examiners, with the assistance of the drill crews and Mr. Lee. In churn drill hole No. 26, 8-inch casing has been necessary from the collar to a depth of 825 feet.

The operators consider that both drill holes will be completed during the month of February. No mineralization has been encountered to date in either hole. Copies of the Operator's logs are attached to this report.

Work completed:

	Feet
CDH No. 26 - Previously reported	840.0
Advance 12/15/55 - 2/2/56	334.0
Total depth	1,174.0
CDH No. 27 - Previously reported	480.5
Advance 12/15/55 - 2/2/56	527.8
Total depth	1,008.3

	Feet
Total drilling approved by contract	14,000.0
Drilling completed: (43.91)%	6,148.3
Uncompleted	7,851.7

Financial:

Amount of contract:	$98,200.00
Expenditures as of 12/31/55	38,542.00
Unexpended	$59,658.00

Contract period:

The date of expiration is specified, by Amendment No. 2, as 14 months from the date of the contract, which is March 2, 1955. The contract, therefore, expires on May 2, 1956, and it appears evident that an extension of time will be required.

Glenn G. Gentry
Mining Engineer

Walter Bank
Geologist

A - 1683

REFERENCES

COMBINED METALS REDUCTION CO.

Pioche, Nevada

ACME CHURN DRILL HOLE NO. 26

DMEA Project No. 3629

September 9, 55

MADE BY Schrader

TRACED BY

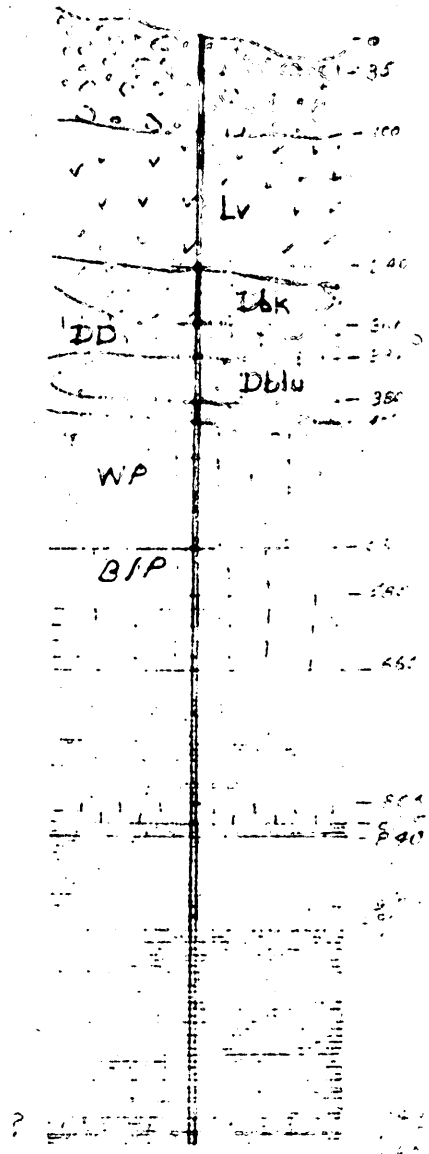
CHECKED BY R.C. Lee

SCALE 1" = 200'

Location-Claim: Bumagain No. 8
Hole Started: 8-30-55
Hole Finished:
Size of Hole: 10 inches
Depth:
Drillers: Schuh
Helpers: Orr

LOG OF HOLE

0 - 35	Wash.	Bottom hole 9-1-55
35 - 110	Wash.	
110 - 240	Lava, welded tuff flow rock.	
240 - 300	Davidson black limestone.	
300 - 337	Davidson dolomite.	
337 - 380	Davidson blue limestone.	
380 - 402	Chiscim shale.	
402 - 535	White Prince limestone.	
535 - 585	Blue Prince limestone.	Bottom hole 10-1-55
535 - 665	Blue Prince limestone.	
665 - 805	Pioche "A" shale.	
805 - 825	Hard limestone.	Bottom hole 11-1-55
825 - 840	Lower Pioche "A" shale.	Bottom hole 12-1-55
840 - 918	Lower Pioche "A" shale.	
918 - 928	Sandstone bed.	
928 - 930	Pioche "B" shale.	
930 - 1140	Pioche "B" shale.	
1140 - 1153	Limey shale. Susan Duster?	
1153 - 1165	Pioche "C" shale.	



COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 27

BMRA Project No. 3629

December 8, 19 55

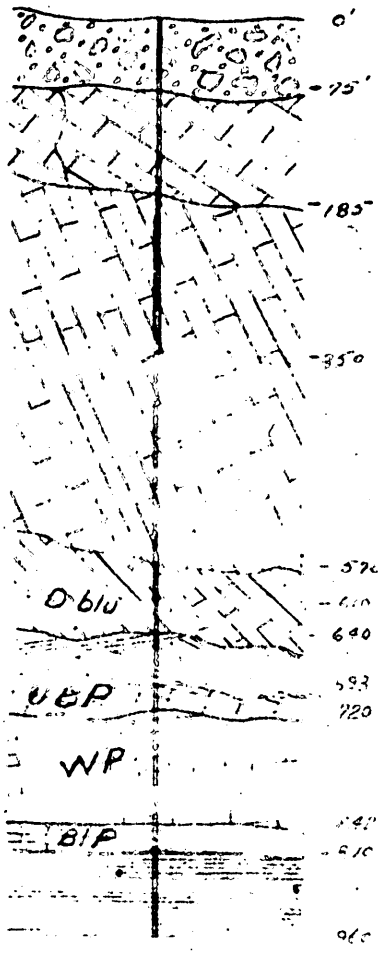
MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Location - Claim: Core 14
Hole Started: 11-3-55
Hole Finished:
Size of Hole: 12 inches
Depth:
Drillers: Schuh
Helpers: Orr



LOG OF HOLE

0 -	75	Wash.
75 -	185	Blue limestone, hard.
185 -	350	Grey limestone, hard. *Bottom hole 12-1-55*
350 -	570	Grey limestone, hard.
570 -	610	Blue limestone, hard. *Bottom hole 1-1-56*
610 -	640	Blue limestone (Davidson Blue ls.?)
640 -	693	Chisholm shale.
693 -	720	Upper Blue Prince limestone.
720 -	842	White Prince limestone.
842 -	870	Lower Blue Prince limestone.
870 -	960	Pioche "A" shale. *Bottom hole 2-1-56*

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 January 1956 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Company Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City 10, Utah
Contract Amount, $ 98,000.00 Government Participation 50 % Amount, $ 49,000.00

RECEIVED FEB 29 1956

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	4,305.00	38,542.00	42,847.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	4,305.00	38,542.00	42,847.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 2-13-56 *Payee COMBINED METALS REDUCTION CO.
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:

$ 2152.50
Lloyd H. Sjolander
Authorized Certifying Officer

Signature
(Authorized Certifying Officer)

Date FEB 27 1956 Vou. No. SF-DMEA-29
(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-E767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 2/17/56

Glenn G. Gentry

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title Executive Officer Date 2/17/56

S. Ricker

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 5

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of January 1956 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Company 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	4,305.00	615.0	42,847.00	6123.0	7.00	14000	7.00
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS							TOTAL COSTS AUTHORIZED BY CONTRACT	
Operating Equipment Purchased							$98,000.00	
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4,305.00		42,847.00				

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

REMARKS:

Date 2-13-56 Operator Combined Metals Reduction Co.

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

Progress Report on Exploration Drilling - DMEA Project/3629 for the month of January, 1956.

February 7, 1956

Mr. Paul Gemmill, Plant Manager

Reginald O. Lee

Dear Paul:

Exploration drilling under DMEA Project/3629 amounted to 615.0 feet for the month of January, 1956.

Churn Drill Hole #26, located on the Salt Lake Fiesta group of claims advanced from 930 feet to 1165 feet in lower "B" and upper "C" shale members of the Fiesta Shale.

Churn Drill Hole #27, located on the Aces group of claims advanced from 610 feet to 960 feet. Geologic divisions of advance are: from 610' to 640' in Davidson Blue Limestone, from 640' to 690' in Chisholm Shale, from 690' to 870' in Prince Limestone, from 870' to 960' in "A" Shale of the Fiesta Shale. This hole may reach the C.R. lime at about 1450 feet depending on the thickness of the Fiesta Shale and faulting.

Very truly yours,

Reginald O. Lee

Reginald O. Lee

COPY

FORM 25

COMBINED METALS REDUCTION COMPANY
Fiesta, Nevada
February 1, 1956

TO:

Exploration Drilling Project
OMEA Project Docket No. 3629
Contract No. Idm-E 767

Exploration Drilling under OMEA Project/3629 during the month of January, 1956.

615.0 feet of Churn Drilling - $7.00	$ 4,305.00
Total for month of January, 1956	$ 4,305.00

APPROVED:

Frank H. Henderson

Certified True Copy:

Raymond G. Lee

A - 1683

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 26

DMEA Project No. 3629

September 9, 19 55

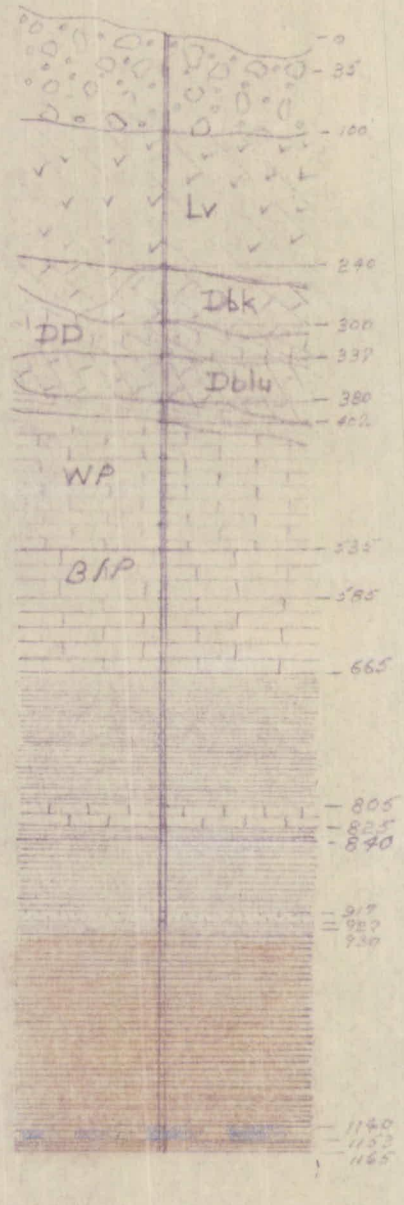
MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'

Location-Claim: Bumagain No. 8
Hole Started: 8-30-55
Hole Finished:
Size of Hole: 10 inches
Depth:
Drillers: Schuh
Helpers: Orr



LOG OF HOLE

0 - 35	Wash.	Bottom hole 9-1-55
35 - 110	Wash.	
110 - 240	Lava, welded tuff flow rock.	
240 - 300	Davidson black limestone.	
300 - 337	Davidson dolomite.	
337 - 380	Davidson blue limestone.	
380 - 402	Chisolm shale.	
402 - 535	White Prince limestone.	
535 - 585	Blue Prince limestone.	Bottom hole 10-1-55
535 - 665	Blue Prince limestone.	
665 - 805	Pioche "A" shale.	
805 - 825	Hard limestone.	Bottom hole 11-1-55
825 - 840	Lower Pioche "A" shale.	Bottom hole 12-1-55
840 - 918	Lower Pioche "A" shale.	
918 - 928	Sandstone bed.	
928 - 930	Pioche "B" shale.	Bottom hole 1-1-56
930 - 1140	Pioche "B" shale.	
1140 - 1153	Limey shale. Susan Duster?	
1153 - 1165	Pioche "C" shale.	Bottom hole 2-1-56

A - 1685

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 27

DMEA Project No. 3629

December 8, 19 55

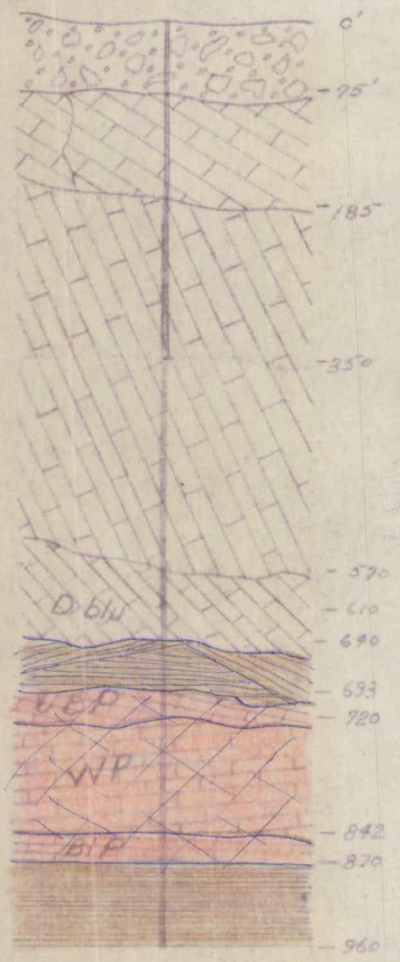
MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Location - Claim: Cora 14
Hole Started: 11-5-55
Hole Finished:
Size of Hole: 12 inches
Depth:
Drillers: Schuh
Helpers: Orr



LOG OF HOLE

0 -	75	Wash.
75 -	185	Blue limestone, hard.
185 -	350	Grey limestone, hard. *Bottom hole 12-1-55*
350 -	570	Grey limestone, hard.
570 -	610	Blue limestone, hard. *Bottom hole 1-1-56*
610 -	640	Blue limestone (Davidson Blue ls.?)
640 -	693	Chisholm shale.
693 -	720	Upper Blue Prince limestone.
720 -	842	White Prince limestone.
842 -	870	Lower Blue Prince limestone.
870 -	960	Pioche "A" shale. *Bottom hole 2-1-56*

RECEI

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 3629

Contract Idm-E 767

Commodity lead-zinc

Operator - Combined Metals Reduction Co.

Property - Caselton-Black Prince Area,
Lincoln Co., Nev.

By R. W. Osterstock, USGS

Dated 1/3/56

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 31 AM '56

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Mineral Deposits Branch
4 HOMEWOOD PLACE
MENLO PARK, CALIFORNIA

RECEIVED
JAN 12 1956

January 3, 1956

Memorandum

To: DMEA Field Team, Region II

From: R. W. Osterstock

Subject: DMEA-3629 (lead-zinc)
Combined Metals Reduction Company
Caselton-Black Prince area
Lincoln County, Nevada
Contract No. Idm-E767
INTERIM REPORT

The subject property was visited December 15, 1955 by R. W. Osterstock (USGS). Mr. R. G. Lee was present as a representative of the operator.

Churn drilling operations are being actively pursued at two localities in the East Pioche Project area. CD hole No. 26 was spudded in during the latter part of August had reached a depth of about 825 feet at which point the drilling tools were lost in the hole. Fishing operations were unsuccessful; consequently the operators decided to drill past the stuck tools. After deepening the hole to 865 feet it became apparent that this method was not satisfactory inasmuch as the new drill head and the bailer continually hung up on the stuck tools. At the time of the inspection the hole was being reamed to 840 feet in order to case past the stuck tools. It was estimated that this operation would continue about three days after which

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION II
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1956 JAN 6 PM 1:30

RENO, NEVADA

normal drilling operations could be resumed. R. G. Lee notes that the present bottom of the hole at 865 feet is in either the lowermost beds of the "A" shale or the uppermost beds of the "B" shale. The thin sandstone marker which characteristically separates these beds has not been found. Lee estimates that perhaps 325 feet of additional depth will be needed to reach the bottom of the CM bed.

Churn drill hole No. 27 on the Cora 14 claim was spudded in November 5, 1955. At the time of the inspection this hole had reached a depth of 460 feet and was being advanced at the rate of 15 to 20 feet per day (one shift). A brief log of the hole follows:

0 - 105	overburden
105 - 255	hard red and gray limestone
255 - 355	hard fine-grained white limestone
355 - 430	reddish coarsely crystalline calcite, may represent fault zone
430 - 460	fairly hard blue limestone, may be Davidson blue

No Chisholm shale has yet been encountered.

Justification for this drill hole is based on evidence gathered by the American Metal Co. drilling program in the area. Two holes, 12A and 17, are reported to have encountered the CM bed which contained 1.5 percent Pb and 2 to 3 percent Zn over a 20-foot thickness. All of this exploration was in the footwall

block of an east-striking fault zone. This data in combination with stratigraphic information gained by company drilling in the area has led the operators to believe that the CM bed may be located at a depth of about 1,600 feet in the hanging wall block of the fault. Hole 27 is situated within a short distance of known mineralization in the CM bed. It is entirely possible that concealed faults may complicate the geologic picture as it now stands; however, the appearance of what may be Davidson blue in churn drill hole No. 27 at 430 feet would seem to fit the section as postulated. Refer to 400 scale map of Portion of Pioche East Side, accompanying original application.

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 RECEIVED JAN 31 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

FEB - 6 1956

Month of December, 1955 Docket No. DMEA 3629 Contract No. Idm-C 767
Operator's Name COMBINED METALS REDUCTION COMPANY Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 98,000.00 Government Participation: 50% Amount, $ 49,000.00

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	2,450.00	36,092.00	38,542.00	2/14/56		
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2,450.00	36,092.00	38,542.00			

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

Date 1-26-56 *Payee COMBINED METALS REDUCTION COMPANY

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:

$ 1225.00

Signature
(Authorized Certifying Officer)

Date 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. 767 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date 1/30/56

[illegible] Baker

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).

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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).

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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-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
FEB - 6 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1955 Docket No. DMEA 3629 Contract No. Idm-C 767

Operator's Name COMBINED METALS REDUCTION COMPANY 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	2,450.00	350.0	38,542.00	5,506.0	7.00	14,000	7.00
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								98,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		2,450.00		38,542.00				

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

Date 1-26-56 Operator COMBINED METALS REDUCTION CO.

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)

[signature]

INSTRUCTIONS

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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

Exploration Drilling - DMEA Project/3629 - Month of December, 1955.

January 14, 1956

Mr. Paul Gammill, Plant Manager

Reginald G. Lee

Dear Paul:

Exploration Drilling under DMEA Project/3629 made a total progress of 350.0 feet of churn drilling during the month of December, 1955.

Churn Drill Hole No. 26 located on Salt Lake Pioche group of claims advanced from 840.0' to 930.0'. The sandstone marker was cut from 918' to 927'.

Churn Drill Hole No. 27 located on the Anna group of claims advanced from 350.0' to 610.0', all in Davidson Dolomite and limestone.

The C.M. Sed may be expected to be cut at about 1150 feet of depth in C.D.H. #26 and about 1500 feet of depth in C.D.H. #27.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

COPY

FORM 25

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
January 18, 1956

TO:

Exploration Drilling Project
DMEA Project Docket No. 3629
Contract No. Idm-E 767

Exploration Drilling under DMEA Project No. 3629 during the month of December, 1955.

350.0 feet of Churn Drilling - $7.00 per ft.	$ 2,450.00
Total for month of December, 1955	$ 2,450.00

APPROVED:

Frank H. Anderson

Paul Emmel

Certified True Copy:

Reginald G. Lee

A-164

References

COMBINED METALS REDUCTION CO.

ACME CHURN DRILL HOLE 26

Pioneer East Shaft

DMEA Project No 2029

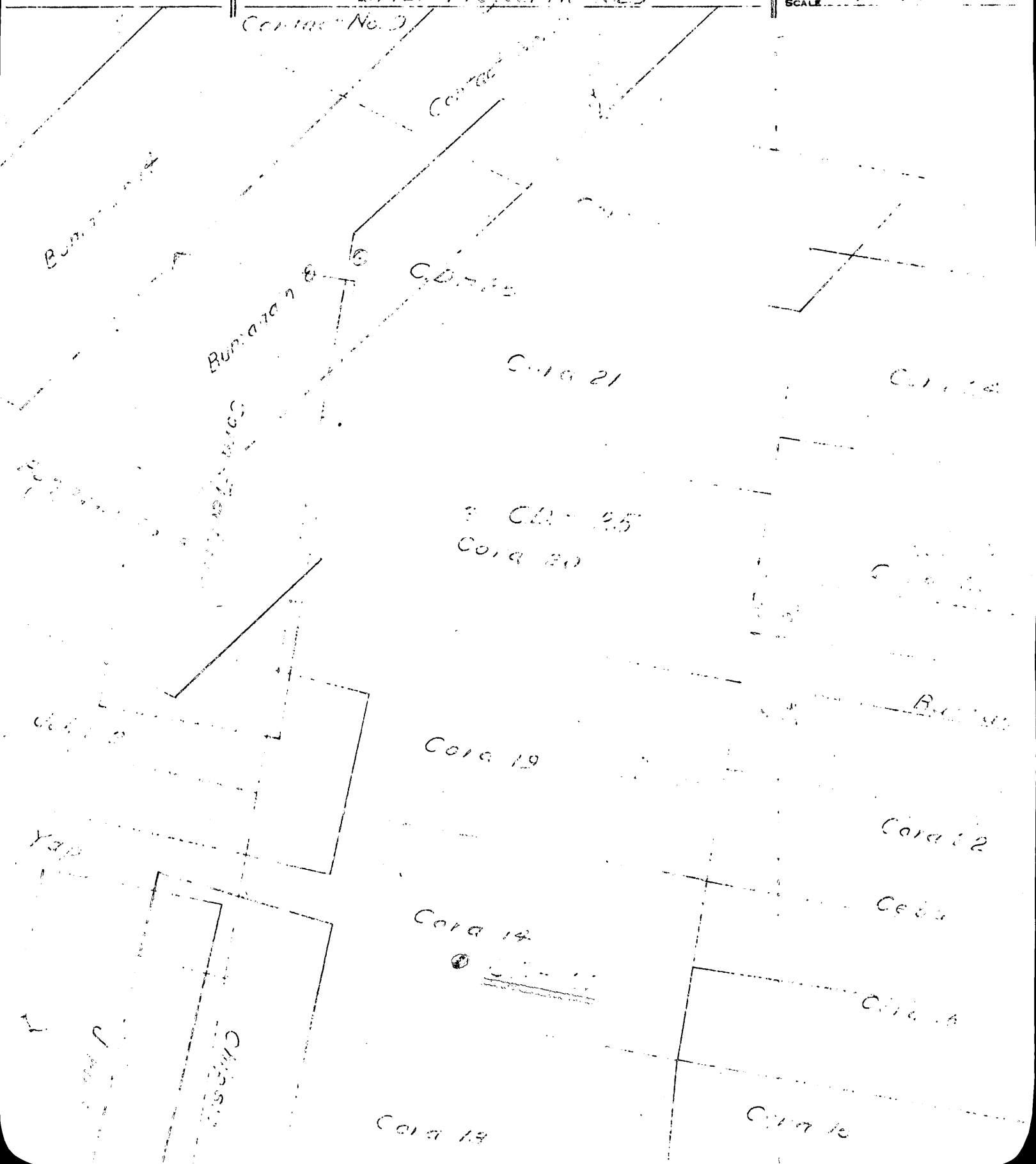
Made by

Traced by

Checked by R. S. Lee

Scale 1" = 4'

Aug. 19, 1955



A - 1683

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 26

DMEA Project No. 3629

September 9, 19 55

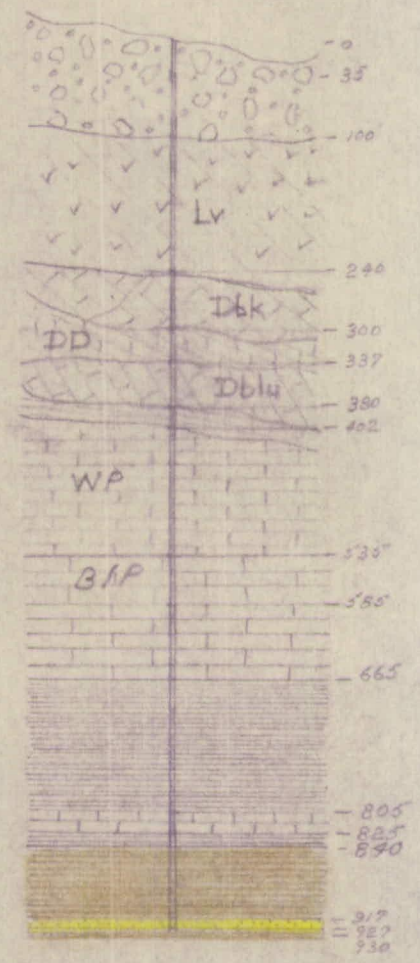
MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'

Location-Claim: Bumagain No. 8
Hole Started: 8-30-55
Hole Finished:
Size of Hole: 10 inches
Depth:
Drillers: Schuh
Helpers: Orr



LOG OF HOLE

0 - 35	Wash.	*Bottom hole 9-1-55*
35 - 110	Wash.	
110 - 240	Lava, welded tuff flow rock.	
240 - 300	Davidson black limestone.	
300 - 337	Davidson dolomite.	
337 - 380	Davidson blue limestone.	
380 - 402	Chisolm shale.	
402 - 535	White Prince limestone.	
535 - 585	Blue Prince limestone.	*Bottom hole 10-1-55*
535 - 665	Blue Prince limestone.	
665 - 805	Pioche "A" shale.	
805 - 825	Hard limestone.	*Bottom hole 11-1-55*
825 - 840	Lower Pioche "A" shale.	*Bottom hole 12-1-55*
840 - 918	Lower Pioche "A" shale.	
918 - 928	Sandstone bed.	
928 - 930	Pioche "B" shale.	

A - 1685

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 27

DMEA Project No. 3629

December 8, 19 55

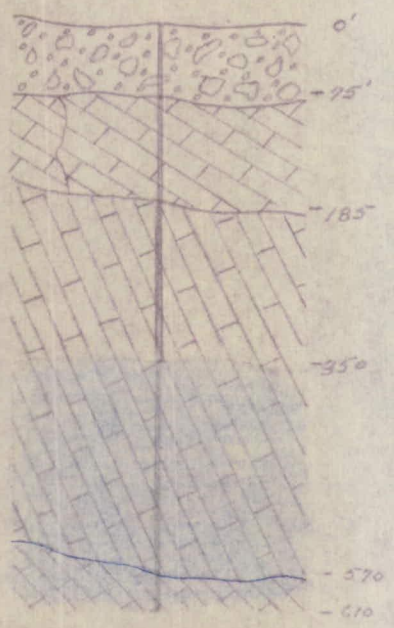
MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Location - Claim: Cora 14
Hole Started: 11-5-55
Hole Finished:
Size of Hole: 12 inches
Depth:
Drillers: Schuh
Helpers: Orr



LOG OF HOLE

0 -	75	Wash.
75 -	185	Blue limestone, hard.
185 -	350	Grey limestone, hard. Bottom hole 12-1-55
350 -	570	Grey limestone, hard.
570 -	610	Blue limestone, hard.

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 362 9

Contract Idm-E 767

Commodity Lead-zinc

Operator - Combined Metals Reduction Co.

Property - Caselton-Black Prince Area,
Pioche, Lincoln County, Nev.

By Glenn G. Gentry

Dated 12/22/55

RECEIVED
DEC 30 1955

S. Ricker
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-362~~6~~7 (Lead-zinc) December 22, 1955

Name and address of operator: Combined Metals Reduction Co.
218 Felt Bldg.
Salt Lake City, Utah

Name and location of property: Caselton-Black Prince Area
Pioche, Lincoln County, Nevada

Contract No.: Idm-E767

Accompanied by E. Schrader, representing the operator, the churn drilling of the Caselton-Black Prince Area was inspected on December 15. Churn drill hole No. 26 had reached a depth of 840 feet at which point it was necessary to discontinue drilling and install 6-inch diameter casing. Casing is required in order to by-pass drilling tools which had previously broken in the drill hole and which could not be removed, though about two months time had been consumed in "fishing operations" at the operators expense.

During this period the operator installed another drill rig and started drilling CDH No. 27, which measured 480.5 feet in depth on the date of inspection.

RECEIVED
DEC 30 1955

Drill log of CDH No. 27 is as follows:

0 - 75 feet	Wash
75 - 185 feet	Hard, blue limestone
185 - 355 feet	Hard, gray limestone
355 - 430 feet	Oxidized, blue limestone, some calcite and quartzite, conglomerate, possible thrust fault zone.
435 - 465 feet	Dark gray limestone, shaly some calcite, dolomitized.

No lead-zinc mineralization was noted.

Work completed - Resume of drilling:

Hole No.	Date Started	Date Completed	Depth, feet	Collar Elevation	Claim	Coordinates North	Coordinates East	Type
2	2/27/55	3/4/55	*555.0	5793.32	Ursula	5163.97	110,374.10	RD
3	3/9/55	3/15/55	1,439.0	5781.03	Louise	5438.80	110,708.67	RD
4	3/20/55	4/6/55	1,315.0	6771.0	Bl. Prince No. 2	13639.0	90,697.0	RD
25	7/8/55	9/12/55	**657.0		Cora No. 20			CD
26	8/30/55		***840.0		Bumagain No. 8			CD
27	10/5/55		***480.5		Cora No. 14			CD
			5,286.5 as of December 15, 1955					

* Total depth 1,600.0 feet - DMEA participation 555.0 feet
** Total depth 1,177.0 feet - DMEA participation 657.0 feet
***As of December 15, 1955
RD - Rotary drill.
CD - Churn drill.

Drilling approved by contract 14,000.0 feet
Uncompleted 8,713.5 feet

The location of the next drill hole (DMEA No. 8) will probably not be determined until drill holes 26 and 27 are completed and a careful log of the sludges is made.

In this area, weather conditions have not hampered the drilling operations, though some heavy snow stroms are to be expected during the month of January and February.

Financial:

Amount of contract:	$98,200
Expenditures as of 11/30	36,092
Unexpended	$62,108

Contract period:

Date of expiration is on May 2, 1956.

Glenn G. Gentry
Mining Engineer

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

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

RECEIVED
JAN 11 1956

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

Month of November 1955 Docket No. DMEA 3629 Contract No. Idm - 0 767
Operator's Name Combined Metals Reduction Company Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 98,200.00 Government Participation: 50 % Amount, $ 49,000.00

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	2555.00	33,537.00	36,092.00	1/30/56	W.H.K.	~~Approved~~ ~~Disapproved~~ Petty
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2555.00	33,537.00	36,092.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 12/12/55 *Payee Combined Metals Reduction Company
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:

$1277.50

Signature [signature]
(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. [illegible]-767 in accordance with the terms of the contract.

Signature Glenn C. Gentry Title Mining Engineer Date 12/14/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature D. Lacher Title Executive Officer Date 12/14/59

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

RECEIVED
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 3639 Contract No. [illegible] 767
Operator's Name Combined Metals Reduction Company 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								
Raising								
Shafts								
Winzes								
Drilling: Core	Feet	2,555.00	363.0	36,092.00	5,156.0	7.00	14000	
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								98,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2,555.00		36,092.00				

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

REMARKS:

Date 12/12/55 Operator Combined Metals Reduction Co.

By [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 83-38475

RECEIVED
JAN 11 1956

Exploration Drilling - DMA Project/3629 - Month of November, 1955.

December 8, 1955

Mr. Paul Gemmill, Plant Manager

Reginald G. Lee

Dear Paul:

Exploration drilling under DMA Project/3629 made a progress of 365.0 feet during month of November.

Churn Drill Hole No. 26 on the Salt Lake Fleche group of claims made only 15 feet of advance.

Considerable difficulty was encountered in drilling past the lost tools due to the hard formation and the lost steel which would dull a drill bit in a short time of drilling. However, at this writing we have deepened the hole 25 feet past the lost tools and indications are that the hole will advance at near normal rate.

Churn Drill Hole No. 27 on the Acme group of claims, location and log shown on enclosed prints A-1682 and A-1685 respectively, was started on November 5th. Advance for the month amounted to 350 feet. Depth of this hole may be in excess of 1500 feet before the objective is reached (C.M. Beds), therefore a 12" diameter hole was started and will be held to that size as far down as possible in order to have room for two or three reduction in casing size should that become necessary.

Attached are maps and sections showing locations and log of CDH Nos. 26 and 27.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
December 1, 1955

TO:

D.M.E.A. Project/3629

Exploration Drilling under DMEA Project/3629 during the month of November, 1955.

365.0 feet of Churn Drilling	$7.00	$ 2,555.00
Total for month of November, 1955		$ 2,555.00

APPROVED:

Frank H. Anderson

Certified True Copy:

Reginald F. Lee

A-1682

REFERENCES

COMBINED METALS REDUCTION CO.

ACME CHURN DRILL HOLE 25

Pioche East Side Claims

DMEA Project No. 3629

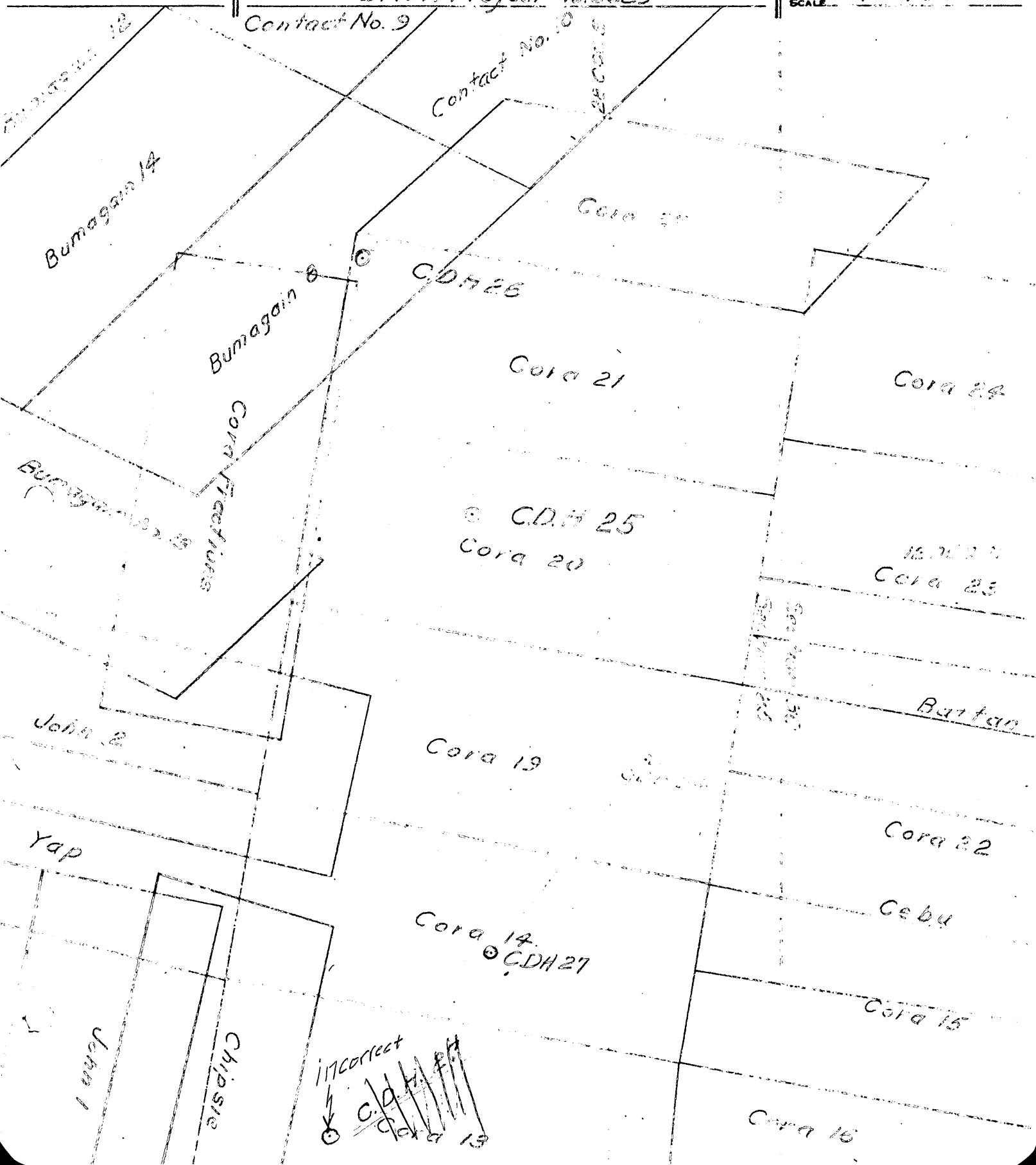
Aug. 19, 1955

MADE BY Schneider

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 400'



A - 1683

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 26

DMEA Project No. 3629

September 9, 19 55

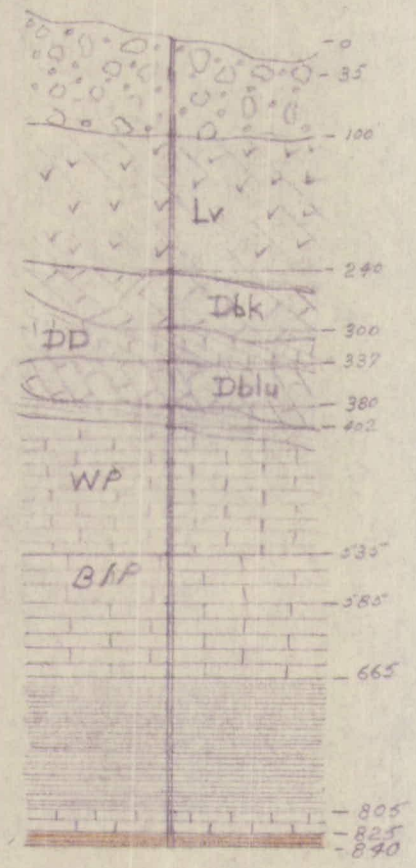
MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'

Location-Claim: Bumagain No. 8
Hole Started: 8-30-55
Hole Finished:
Size of Hole: 10 inches
Depth:
Drillers: Schuh
Helpers: Orr



LOG OF HOLE

0 - 35	Wash.	Bottom hole 9-1-55
35 - 110	Wash.	
110 - 240	Lava, welded tuff flow rock.	
240 - 300	Davidson black limestone.	
300 - 337	Davidson dolomite.	
337 - 380	Davidson blue limestone.	
380 - 402	Chisolm shale.	
402 - 535	White Prince limestone.	
535 - 585	Blue Prince limestone.	Bottom hole 10-1-55
535 - 665	Blue Prince limestone.	
665 - 805	Pioche "A" shale.	
805 - 825	Hard limestone.	Bottom hole 11-1-55
825 - 840	Lower Pioche "A" shale.	Bottom hole 12-1-55

A -1685

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 27

DMEA Project No. 3629

December 8, 19 55

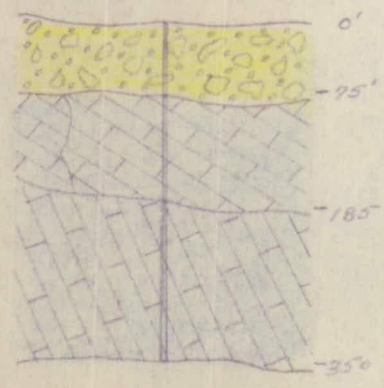
MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 200'

Location - Claim: Cora 13
Hole Started: 11-5-55
Hole Finished:
Size of Hole: 12 inches
Depth:
Drillers: Schuh
Helpers: Orr



LOG OF HOLE

0 -	75	Wash.
75 -	185	Blue limestone, hard.
185 -	350	Grey limestone, hard. Bottom hole 12-1-55

Dmea

RECEIVED
NOV - 7 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

Date 11/3/55

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 3629

Contract Idm-E 767

Commodity Lead-zinc

Operator - Combined Metals Reduction Co.

Property - Caselton-Black Prince Area
Lincoln County, Nevada

By Glenn G. Gentry

Dated 11/1/55

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.

Nov 7 10 12 AM '55

INTERIM REPORT

Docket No.: DMEA-3629 (Lead-zinc) November 1, 1955

Name and address of operator: Combined Metals Reduction Co.
218 Felt Bldg.
Salt Lake City, Utah

Name and location of property: Caselton-Black Prince Area
Pioche, Lincoln County, Nevada

Contract No.: Idm-E767

SUMMARY

Accompanied by Messrs. R. G. Lee and E. Schrader, representing the operator, the Caselton-Black Prince area was inspected on October 25 and 27, 1955.

Extension of CDH No. 26 has continued and on October 22 the drill hole had reached a depth of 830 feet. On the above date a welded drill rod was broken in the hole and since then the crews have been engaged in attempting to remove the broken parts. However, as of October 31, the removal of the broken string of tools had not been successful.

Anticipating further delay during the "fishing operations", the Operators requested approval of drilling CDH No. 27 to be located on the Cora No. 14 claim and approximately S. 40° W., 800 feet from CDH No. 24. The purpose of CDH No. 27 is to explore a block of ground north of the Sunshine shaft area which had been drilled by the American Metals Co. during the years 1942-1944. Two drill holes,

Nos. 17 and 12A, are reported to have encountered the CM bedding and some lead-zinc mineralization. The average assays over a thickness of about 20 feet are reported as approximately 1.5 percent Pb and 2.0 to 3.0 percent Zn.

The Sunshine shaft is located approximately 1,000 feet nearly due south of the proposed drill hole No. 27 and had been sunk to a depth of about 50 feet following an East-West striking mineralized fault, which dips 75° N. Some manganese ore was noted at the collar of the shaft.

WORK COMPLETED

Log of CDH No. 26:

Feet From	Feet To	
0	105	Wash
105	235	Lava flow - mud balls
235	300	Davidson blue limestone
300	337	Davidson dolomite
337	380	Davidson blue limestone
380	402	Chisholm shale
402	535	White Prince limestone
535	585	Blue Prince limestone
585	665	Blue Prince limestone
665	740	Pioche "A" shale
740	815	Pioche "A" or "B" shale
815	830	Blue limestone

No mineralization was encountered.

Drilling previously reported	4741 feet
CDH No. 26 - advance 9/15-10/25	545 feet
Total	5286 feet

Uncompleted - 8,714 feet

The site of the Alliance drill hole, to be located on the Lost Treasure claim at approximate coordinates 19,950 N and 6400 E, was inspected and found to be in the approximate location as suggested by Messrs. Kiilsgaard and Osterstock, geologists, USGS, during their recent visit to the property.

Due to the elevation of this area and rough terrain and the expectation of snow storms, the operators, at their expense, expect to begin construction of a road to the drill site. However, the actual drilling probably will not be started until sometime in late November or December of this year.

Contract period: Amendment No. 2, dated October 6, 1955, extended completion of the contract to 14 months from date of contract and will, therefore, expire on May 2, 1956.

Financial:

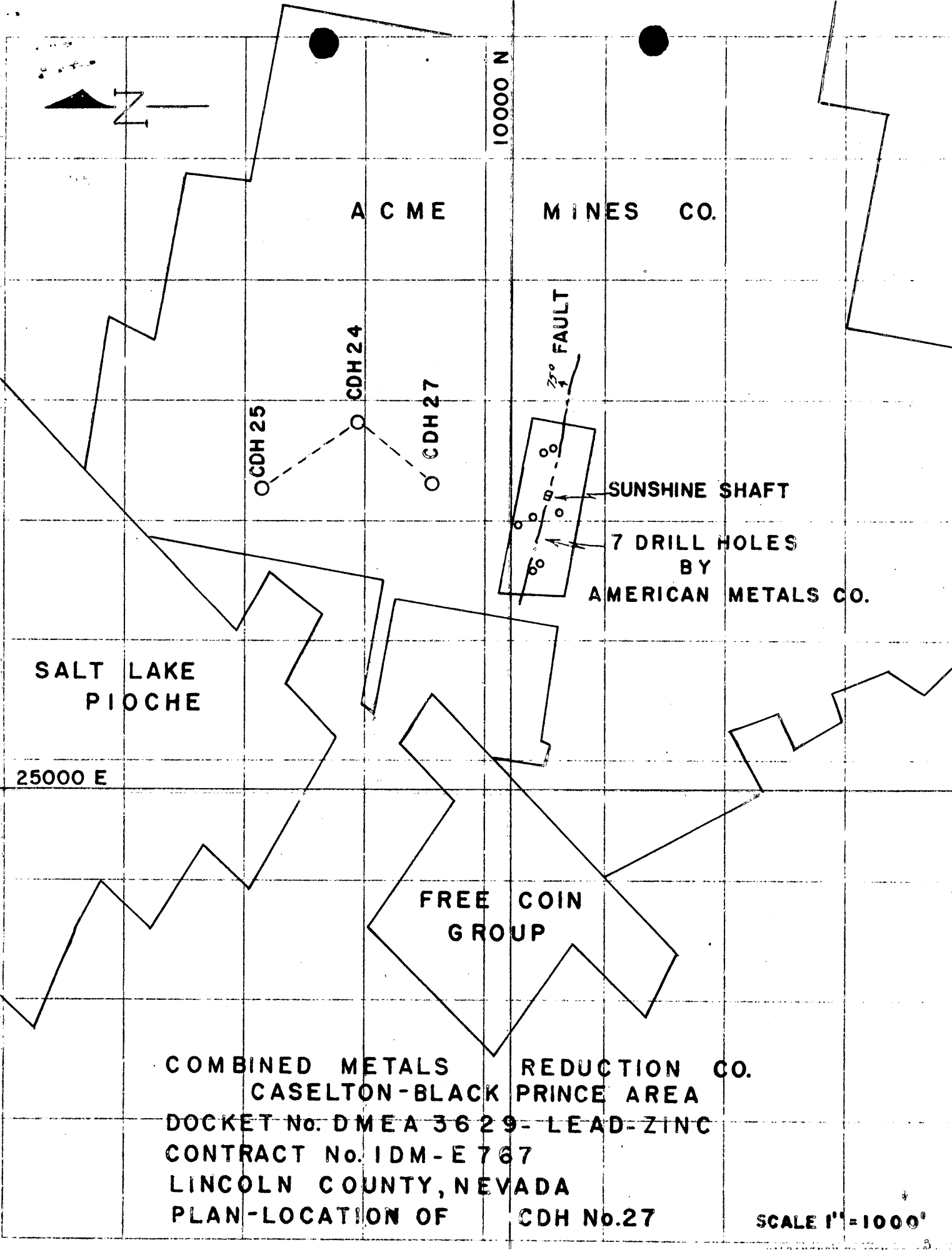
Amount of contract	$98,200.00
Expenditures as of 9/30/55	31,857.00
Unexpended	$66,343.00

Sludge sample from CDH No. 25 gave the following results:

No.	Location From	Location To	%, Pb	%, Zn
BM-1709	1095	1100	*0.1	*0.1
1710	1100	1105	*0.1	*0.1
1714	1105	1110	*0.1	*0.1
1715	1110	1115	*0.1	*0.1
1716	1115	1120	*0.1	*0.1
1717	1120	1125	*0.1	*0.1
1718	1125	1130	*0.1	*0.1
1719	1130	1135	*0.1	*0.1
1720	1135	1140	*0.1	*0.1
1721	1140	1145	*0.1	*0.1

*=Less than.

Glenn G. Gentry
Mining Engineer


N
10000 N
ACME MINES CO.
FAULT
CDH 24
CDH 25
CDH 27
SUNSHINE SHAFT
7 DRILL HOLES
BY
AMERICAN METALS CO.
SALT LAKE
PIOCHE
25000 E
FREE COIN
GROUP
COMBINED METALS REDUCTION CO.
CASELTON-BLACK PRINCE AREA
DOCKET No. DMEA 3629- LEAD-ZINC
CONTRACT No. IDM-E 767
LINCOLN COUNTY, NEVADA
PLAN-LOCATION OF CDH No.27
SCALE 1"=1000'

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 October, 1955 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Company Minerals Lead-Zinc
Address P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

RECEIVED DEC 12 1955

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	1,680.00	31,857.00	33,537.00	12/29/55		
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1,680.00	31,857.00	33,537.00			

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

Date 11/17/55 *Payee Combined Metals Reduction Company

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:

$ 840.00

Signature [signature] Authorized Certifying Officer
(Authorized Certifying Officer)

Date DEC 1 1955 Vou. No. SF-DMCA-20

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

Signature Glenn G. Gentry Title Mining Engineer Date 11/21/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Richter Title Executive Officer Date 11/21/55

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

MARGINTS NOV 2 9 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED DEC 12 1955

Month of October 195 5 Docket No. DMEA 3629 Contract No. 767
Operator's Name Combined Metals Reduction Company 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	1,680.00	240.0	33,537.00	4791.0	7.00	14,000	
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								98,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1,680.00		33,537.00				

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

REMARKS:

Date 11/17/55 Operator Combined Metals Reduction Co.

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 83-38475

COMBINED METALS REDUCTION COMPANY

RECEIVED
DEC 12 1955

Exploration Drilling - Salt Lake-Picche Group of Claims - Oct., 1955.

November 10, 1955

Mr. Paul Gessmill, Plant Manager

R. G. Lee

Dear Paul:

Exploration drilling under the D.M.E.A. Project/3629 was active during the entire month.

All drilling was at Churn Drill Hole No. 26 on the Salt Lake-Picche Group of Claims. The drill was operated on two shifts. Total advance for the month was 240 feet, from 585' to 825' depth.

"A" Shale was cut at 665 feet and continued to 805 feet where a hard limestone was encountered. Progress was slow during the next 20 feet of drilling. The larger drilling rig was moved in to take advantage of the heavier drilling tools. After a few hours of drilling a defective factory forged weld in a new drill stem gave away near the rope socket. The end of the broken stem in the hole was wedge-shaped, making it difficult for conventional fishing tools to secure a firm grip that would hold under a heavy pull.

After 10 days of fishing without recovering the lost tools, it was decided to try to drill past the lost tools. At this writing it looks favorable in that we have drilled past part of the lost tools and if no trouble is encountered in the next 30 feet of advance, the drill hole can be expected to reach its objective.

Attached is drawing A-1683 showing log of C.D.H. No. 26.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

FORM 25

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
November 1, 1955

TO:

D.M.E.A. Project/3629
Pioche, Nevada

Exploration Drilling under DMEA Project/3629 during the month of October, 1955.

240.0 feet of churn drilling	@ $7.00	$ 1,680.00
	Total for Month	$ 1,680.00

APPROVED:

Frank H. Hudson

Certified True Copy:

Raymond G. Lee

A - 1683

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 26

DMEA Project No. 3629

RECEIVED DEC 12 1955

September 9, 19 55

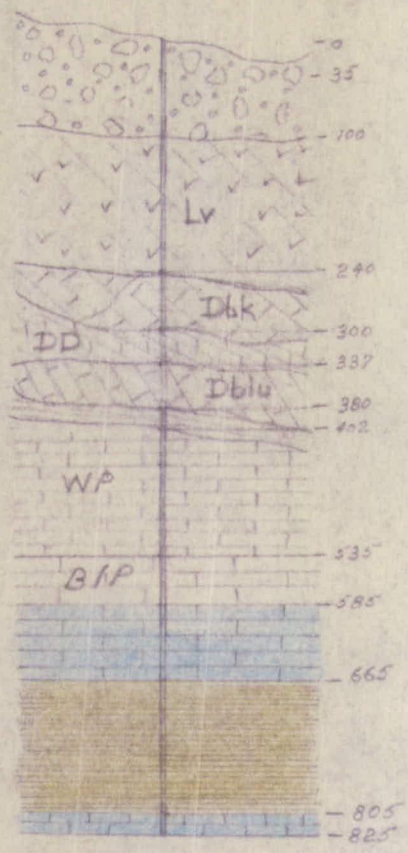
MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'

Location-Claim: Bumagain No. 8
Hole Started: 8-30-55
Hole Finished:
Size of Hole: 10 inches
Depth:
Drillers: Schuh
Helpers: Orr



LOG OF HOLE

0 - 35	Wash.	Bottom hole 9-1-55
35 - 110	Wash.	
110 - 240	Lava, welded tuff flow rock.	
240 - 300	Davidson black limestone.	
300 - 337	Davidson dolomite.	
337 - 380	Davidson blue limestone.	
380 - 402	Chiselm shale.	
402 - 535	White Prince limestone.	
535 - 585	Blue Prince limestone.	Bottom hole 10-1-55
535 - 665	Blue Prince limestone.	
665 - 805	Pioche "A" shale.	
805 - 825	Hard limestone.	Bottom hole 11-1-55

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

Budget B[redacted]2-R1036.5

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

Month of September, 1955 Docket No. DMEA 3629 Contract No. Idn-E 767
Operator's Name Combined Metals Reduction Company Minerals Lead-Zinc
Address 218 Felt Bldg., P. O. Box 150, Salt Lake City, Utah
Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

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	4,529.00	27,328.00	31,857.00	12/27/55 [illegible]		Grossvold
Bulldozing						[illegible]
Crosscutting						
Drifting						Betty
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	4,529.00	27,328.00	31,857.00			

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

Date 10-22-55 *Payee COMBINED METALS REDUCTION CO.

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:

$ 2264.50

Lloyd H. Stalnaker
Authorized Certifying Officer

Signature
(Authorized Certifying Officer)

Date NOV 4 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. Idm-767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 11/1/55

Glenn G. Gentry

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

C. Ricker

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 195 5 Docket No. DMEA 3629 Contract No. Idu-E 767
Operator's Name Combined Metals Reduction Company Minerals Lead-Zinc
Address 218 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	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	4,529.00	647.0	31,857.00	4551.0	7.00	14000	98,000.00
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								98,000.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4,529.00		31,857.00				

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

Date 10-22-55 Operator Combined Metals Reduction Co.

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]

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

Exploration Drilling Acme & Salt Lake Pioche Group of Claims - Sept., 1955.

October 14, 1955

Mr. Paul Gemmill, Plant Manager

R. G. Lee

Dear Paul:

Exploration drilling under D.M.E.A. Project No. 3629 was continued during the entire month.

Churn Drill Hole No. 25 on Acme group of claims was advanced from 1080.0' to 1177.0', a total advance of 97.0' during the first thirteen days of the month.

The C.M. beds were cut from 1100' to 1140' which represents the average thickness of the C.M. beds, assuming a near horizontal dip.

Some pyrite and a trace of galena were noted in panning the drill cuttings. Assays from drill cuttings in the lower section of the C.M. beds were as follows:

	Pb	Zn	Fe
1130' to 1135'	0.6%	0.5%	2.6%
1135' to 1140'	0.6%	0.5%	2.5%

Churn drill hole No. 25 was terminated in "D" shale at 1177.0 feet of depth.

Churn Drill Hole No. 26 located on the Salt Lake Pioche group of claims was advanced from 35.0' to 585.0', a total of 550.0' for the month. Rock section drilled through indicates a normal thickness of section below Chisholm shale and if this continues we should cut the C.M. beds at about 1275 feet.

No difficulty from caving has been experienced in this hole to date.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

COPY

FORM 25

FORM 53

INVOICE

COMBINED METALS REDUCTION COMPANY

[redacted]

[redacted]
Pioche, Nevada

Sold to

DMEA Project/3629

Shipped to

Date Oct. 1, 1955

Invoice No.

Terms

Your Order No.

Our Order No.

FOR CUSTOMER'S USE ONLY	
REGISTER NO.	VOUCHER NO.
F.O.B. CHECKED	
TERMS APPROVED	PRICE APPROVED
CALCULATIONS CHK'D	
TRANSPORTATION	
FREIGHT BILL NO.	AMOUNT
MATERIAL RECEIVED.	
DATE 19	SIGNATURE / TITLE
SATISFACTORY AND APPROVED	
ADJUSTMENTS	
ACCOUNTING DISTRIBUTION	
AUDITED	FINAL APPROVAL

Date Shipped

From

Freight
Collect - Prepaid

How Shipped
& Route

F.O.B.

Car No.

QUANTITY AND DESCRIPTION	UNIT PRICE	TOTAL
Exploration drilling under DMEA Project/3629 during the month of September, 1955.		
647.0 feet of churn drilling	@ $7.00	$ 4,529.00
	Total for Month	$ 4,529.00

APPROVED:

Frank H. Rudwick

Lee Summerill

Certified True Copy:

Raymond G. Lee

A - 1683

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 26

DMEA Project No. 3629

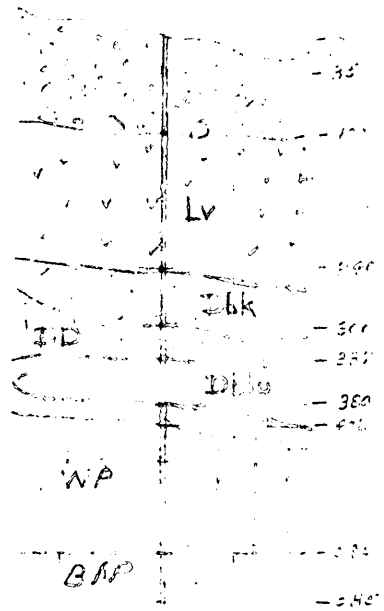
September 9, 19 55

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'



Location-Claim: Bumagain No. 8
Hole Started: 8-30-55
Hole Finished:
Size of Hole: 10 inches
Depth:
Drillers: Schuh
Helpers: Orr

LOG OF HOLE

0 -	33	Wash.
35 -	110	Wash.
110 -	240	Lava, welded tuff flow rock.
240 -	300	Davidson black limestone.
300 -	337	Davidson dolomite.
337 -	380	Davidson blue limestone.
380 -	402	Chisolm shale.
402 -	535	White Prince limestone.
535 -	585	Blue Prince limestone.

A - 1681

REFERENCES

COMBINED METALS REDUCTION CO.

Pioche, Nevada

ACME CHURN DRILL HOLE NO. 25

DMEA Project No. 3629

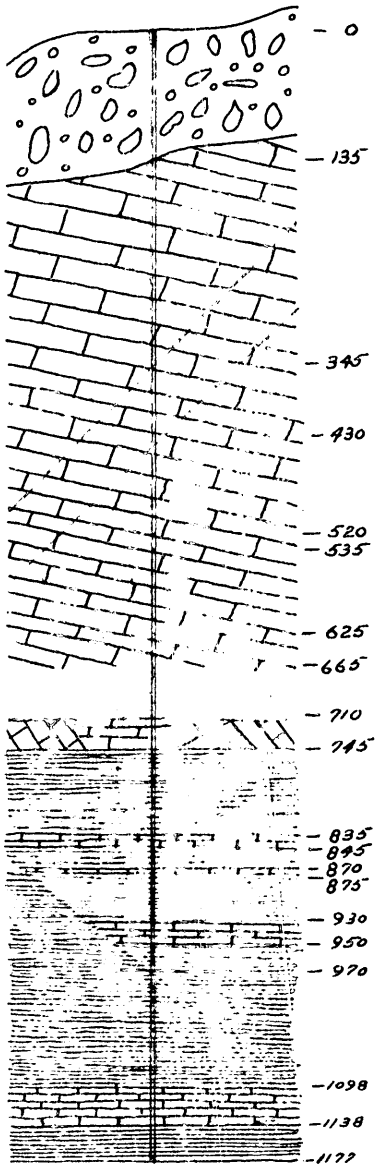
August 19, 1955

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'



Location-Claim: Cora 20
Hole started: 6-14-54
At 520 ft. DMEA 7-8-55
Hole finished: September 12, 1955
Size of hole: 10 inches
Depth: 1177.0 ft.
Drillers: Fullerton, Schuh
Helpers: Sprague, Orr

LOG OF HOLE

0 -	135	Wash.
135 -	345	Highland Peak limestone (broken).
	345	Fault.
345 -	430	Highland Peak limestone (broken).
	430	Fault.
430 -	520	Highland Peak limestone (broken).
520 -	535	Blue limestone.
535 -	625	White granular Davidson Dolomite.
625 -	665	Davidson blue, some dolomite.
665 -	710	Brown shale, Chisholm.
710 -	745	Lime with shale. Prince limestone. Broken zone.
745 -	835	Shale with some limestone. Pioche "A" shale.
835 -	845	Limestone bed.
845 -	870	Pioche "A" shale.
870 -	875	Limestone bed.
875 -	930	Shale - hard - micaceous.
930 -	950	Limestone - carbonaceous.
950 -	970	Shale - fine grained - non micaceous.
	970	Fault.
970 -	990	Shale - medium fine grained - some mica. Much cave from fault. Bottom of hole 9-12-55
990 -	1080	"C" shale. Bottom of hole 9-12-55
1080 -	1098	"C" shale.
1098 -	1138	CM limestone bed.
1138 -	1158	Silicious shale.
1158 -	1177	"D" shale, quite silicious.
	1177	Bottom of hole.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP 26 1955

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- 3629

Contract No. Idm-E 767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Area
Lincoln County, Nevada

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 32 AM '55

RECEIVED
SEP 26 1955

INTERIM REPORT

Docket No.: DMEA-3629 (Lead-zinc) Sept. 22, 1955

Name and address of operator: Combined Metals Reduction Co.
218 Felt Bldg.,
Salt Lake City, Utah

Name and location of property: Caselton-Black Prince Area
Pioche, Lincoln County, Nevada

Contract No.: Idm-E767

SUMMARY

Accompanied by Messrs R. G. Lee and E. Schrader, representing the operator and R. W. Osterstock of the U.S. Geological Survey, the Caselton-Black Prince area was inspected on September 15. The operator has completed churn drill hole No. 25 (DMEA No. 5) located on the Cora No. 20 claim and was successful in finding the CM limestone bedding at 1045 feet. The drill then continued in this formation to the 1140-foot horizon at which point the "D" shale was encountered. A small amount of mineralization was noted in the CM limestone. The mineral observed was principally iron pyrite. The lead-zinc minerals consisted of a very small amount of finely divided galena and sphalerite.

Churn drill hole No. 26 located on the Bumagain No. 8 claim was started on August 30, and on the date of inspection had reached a depth of 285 feet. The log of this hole is as follows:

Feet From	To	
0 to	105	Wash
105 to	235	Lava flow - mud balls
235 to	280	Gray-blue limestone

Work completed:

	Feet
Drilling previously reported	3,799
CDH No. 25 (DMEA No. 5)	657
CDH No. 26 (DMEA No. 6)	285
Total	4,741
Uncompleted	9,259

Contract period: The contract expiration date is November 2, 1955; it is apparent that an extension of time will be necessary to complete the drilling.

Financial:

Amount of contract	$98,200
Expenditures as of 7/31/55	26,453
Unexpended	$71,747

Sampling:

CDH No. 25 - Sludge samples from 1095 to 1140 feet have been secured and are represented by samples BM-1709-BM-1721 inclusive. The analyses will be submitted with the next interim report.

Glenn G. Gentry
Mining Engineer

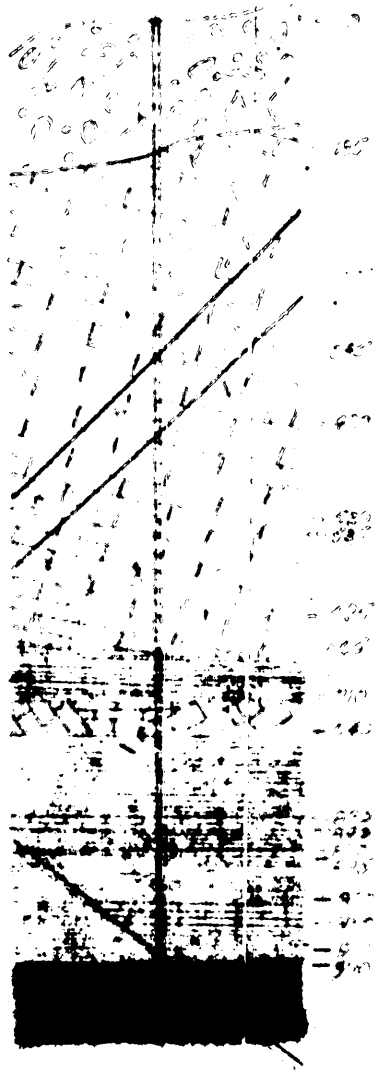
A - 1651

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 25
DMEA Project No. 3629

August 19, 1955
MADE BY Schrader
TRACED BY
CHECKED BY R.G. Lee
SCALE 1" = 200'

Location-Claim: Cora 20
Hole started: 6-14-54
At 520 ft. DMEA 7-8-55
Hole finished:
Size of hole: 10 inches
Depth: 1177.0 feet
Drillers: Fullerton, Schuh
Helpers: Sprague, Orr



LOG OF HOLE

0 -	135	Wash.
135 -	345	Highland Peak limestone (broken).
	345	Fault.
345 -	430	Highland Peak limestone (broken).
	430	Fault.
430 -	520	Highland Peak limestone (broken).
520 -	535	Blue limestone.
535 -	585	White granular Davidson Dolomite.
585 -	665	Davidson blue, some dolomite.
665 -	710	Brown shale, Chisholm.
710 -	745	Lime with shale. Prince limestone. Broken zone.
745 -	835	Shale with some limestone. Pioche "A" shale.
835 -	845	Limestone bed.
845 -	870	Pioche "A" shale.
870 -	875	Limestone bed.
875 -	930	Shale - hard - micaceous.
930 -	950	Limestone - carbonaceous.
950 -	970	Shale - fine grained - non micaceous.
	970	Fault.
970 -	990	Shale - medium fine grained - some mica. Much cave from fault. Bottom of hole 8-1-55
990 -	1080	"C" shale. Bottom of hole 9-1-55
1080 -	1095	C shale
1095 -	1140	"C'M" Limestone bed
1140 -	1177	"D" Shale

RECEIVED
SEP 2 6 1955

A-1682

REFERENCES

COMBINED METALS REDUCTION CO.

ACME CHURN DRILL HOLE 25

Pioche East Side Claims

DMEA Project No. 3629

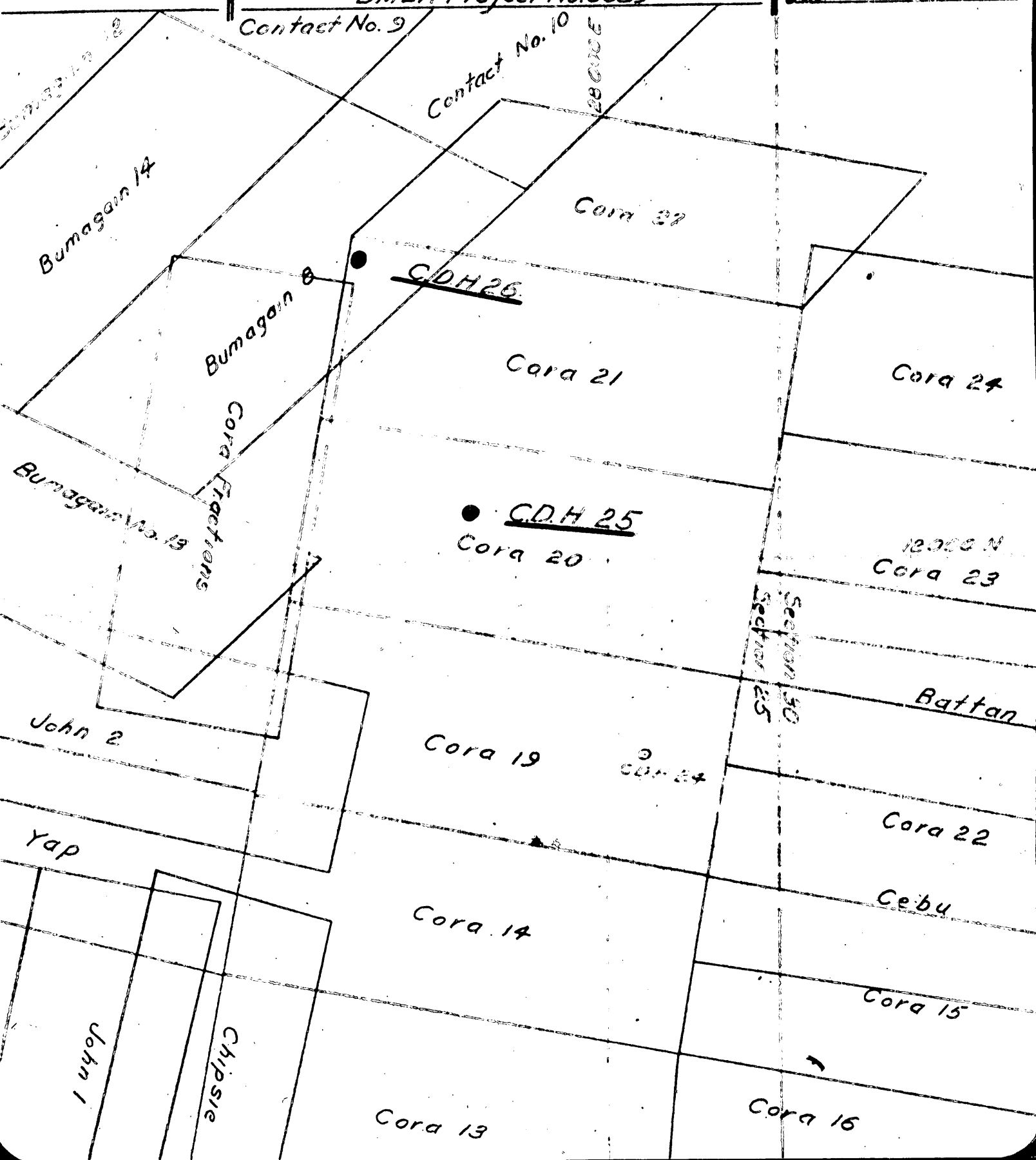
Aug. 19, 1955

MADE BY Schroeder

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 400'



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SEP 2 6 1955

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

Budget Bureau No. 42-R1036.5

RECEIVED
OCT 10 1955

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

Month of August, 1955 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Company Minerals Lead Zinc
Address 218 Felt Bldg., P.O. Box 150, Salt Lake City 10, Utah
Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

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:			27,328.00			
Drilling	875.00	26,453.00	~~27,328.00~~			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	875.00	26,453.00	27,328.00			

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

Date 9-20-55 *Payee Combined Metals Reduction Co.

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:

$ 437.50

Signature [signature]
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 9/23/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature G. Ricker Title Executive Officer DMEA Field Team Region II Date 9/23/55

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

ACCOUNTS SEP 2 8 1955 RECEIVED OCT 10 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1955 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Company Minerals Lead-Zinc
Address 218 Felt Building, 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								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	875.00	125.0	27,328.00	3904.0	7.00	14000	7.00
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								98,200.00
TOTAL COSTS		875.00		27,328.00				

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

Date SEP 20 1955 Operator Combined Metals Reduction Co.

By [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)

[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

COMBINED METALS REDUCTION COMPANY

RECEIVED
OCT 10 1955

Exploration Drilling Acme & Salt Lake Pioche Group of Claims - August, 1955.

September 14, 1955

Mr. Paul Gemmill, Plant Manager

R. G. Lee

Dear Paul:

Exploration drilling under DMEA Project No. 3629 was kept active during the entire month.

Churn drill hole No. 25 was advanced from 990' to 1080' during the month. All of this advance was in the "C" member of the Pioche Shale.

Considerable difficulty was experienced from caving at 970 feet of depth. The only casing on hand was some 40 feet long sections with 8 5/8" outside diameter couplings which allowed very little clearance in the 10" diameter hole. The casing hung-up at 250 feet of depth where the hole deviated slightly from a vertical line. However, at that time our more experienced driller was back on the job and he recommended to try to advance the hole without casing but using a little drilling mud, as the bottom of the hole was yet above the water table. The hole was advanced slowly without casing until the drilling tools were well below the soft formation at 970 feet, and from then on no further difficulty was experienced.

The water table was encountered at 1045 feet.

At time of this writing the hole is completed. A full section of the C.M. Bed was drilled through from 1100 to 1140 feet. Some pyrite and a trace of lead was noted in panning the drill cuttings, but no ore was found.

In order to keep service cost down and to get maximum efficiency from the drilling crew, another churn drill rig was moved in at end of the month and hole No. 26 spotted on Bumagain #8 claim on the Salt Lake Pioche property. This hole was advanced 35 feet in alluvial wash during the month.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

FORM 25

I N V O I C E

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
September 1, 1955.

RECEIVED
OCT 10 1955

TO:
DMEA Project/3629

Exploration Drilling under DMEA Project/3629 during the month of August, 1955.

125.0 feet of churn drilling - 10" hole @ $7.00 $ 875.00

Total for month $ 875.00

APPROVED:

Paul Summit

Frank H. Anderson

Certified true copy:

Reginald F. Lee

A - 1681

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 25

DMEA Project No. 3629

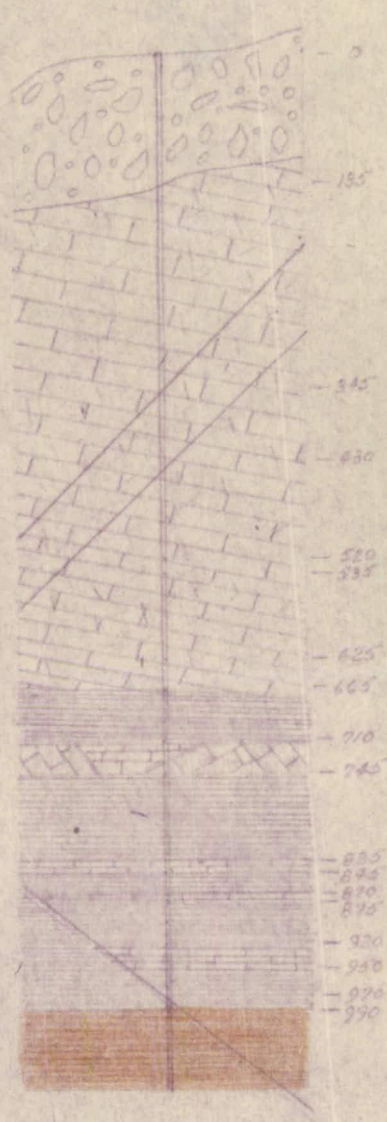
August 19, 1955

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'



Location-Claim: Cora 20
Hole started: 6-14-54
At 520 ft. DMEA 7-8-55
Hole finished:
Size of hole: 10 inches
Depth:
Drillers: Fullerton, Schuh
Helpers: Sprague, Orr

LOG OF HOLE

0 -	135	Wash.
135 -	345	Highland Peak limestone (broken).
	345	Fault.
345 -	430	Highland Peak limestone (broken).
	430	Fault.
430 -	520	Highland Peak limestone (broken).
520 -	535	Blue limestone.
535 -	625	White granular Davidson Dolomite.
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665 -	710	Brown shale, Chisholm.
710 -	745	Lime with shale. Prince limestone. Broken zone.
745 -	835	Shale with some limestone. Pioche "A" shale.
835 -	845	Limestone bed.
845 -	870	Pioche "A" shale.
870 -	875	Limestone bed.
875 -	930	Shale - hard - micaceous.
930 -	950	Limestone - carbonaceous.
950 -	970	Shale - fine grained - non micaceous.
	970	Fault.
970 -	990	Shale - medium fine grained - some mica. Much cave from fault. Bottom of hole 8-1-55
990 -	1080	"C" shale. Bottom of hole 9-1-55

A-1682

REFERENCES

COMBINED METALS REDUCTION CO.

ACME CHURN DRILL HOLE 25

Piache East Side Claims

DMEA Project No. 3629

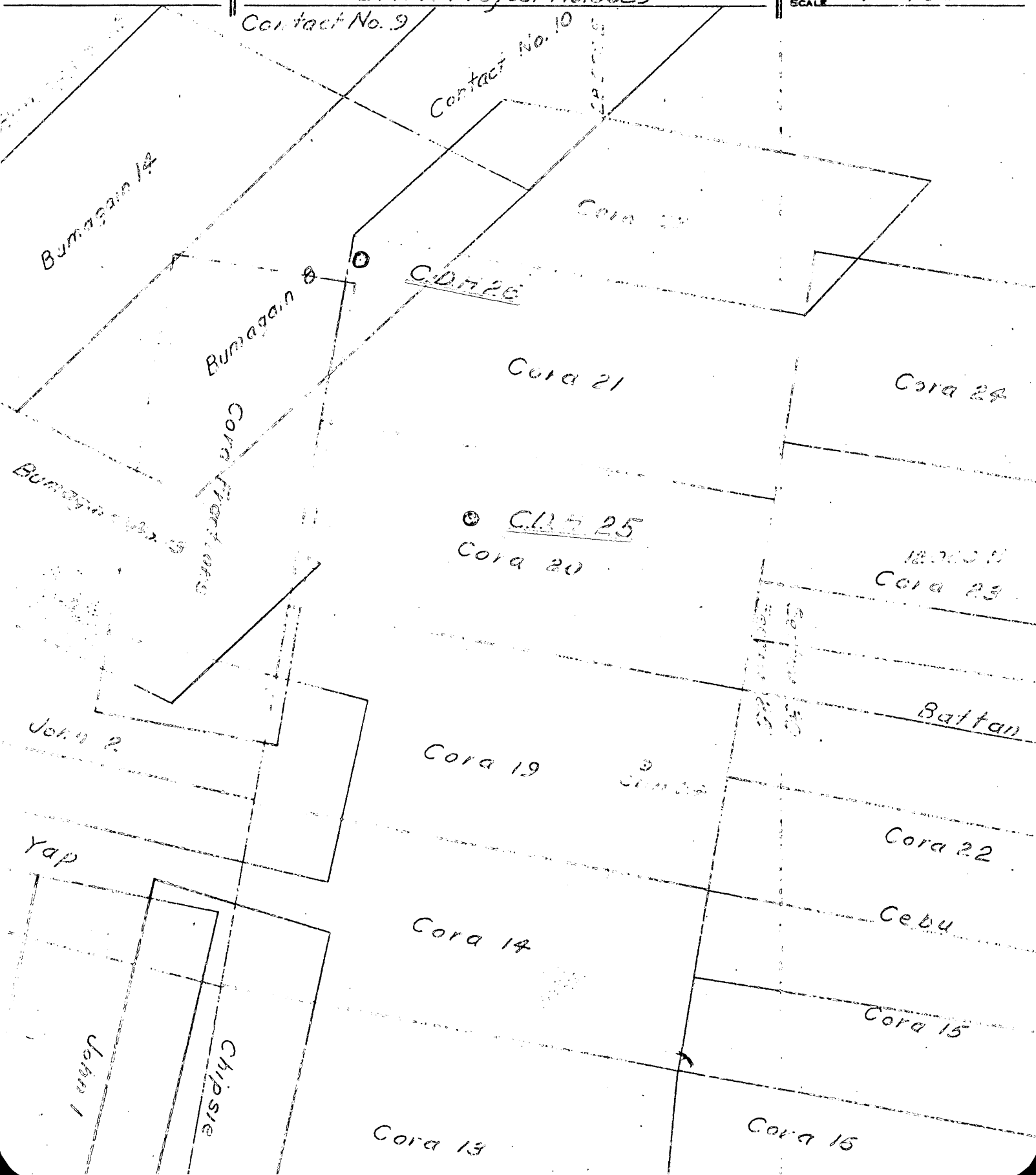
Aug. 19, 1955

MADE BY Schrader

TRACED BY

CHECKED BY R. G. Lee

SCALE 1" = 400'



A - 1683

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 26

DMEA Project No. 3629

September 9, 19 55

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'

Location-Claim: Bumagain No. 8
Hole Started: 8-30-55
Hole Finished:
Size of Hole: 10 inches
Depth:
Drillers: Schuh
Helpers: Orr

LOG OF HOLE

0 - 35 Wash. *Bottom hole 9-1-55*

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- 3629

Contract No. Idm-E 767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Areas
Lincoln Co., Nev.

By Glenn G. Gentry

Dated 8/25/55

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)

BUREAU OF MINES
WASHINGTON, D. C.

AUG 29 9 12 AM '55

RECEIVED
AUG 29 1955

INTERIM REPORT

Docket No.: DMEA-3629 - Lead-zinc August 25, 1955

Name and address of operator: Combined Metals Reduction Co.
218 Felt Building
Salt Lake City, Utah

Name and location of property: Caselton-Black Prince Areas
Pioche, Lincoln County, Nevada

Contract No.: Idm-E767

SUMMARY

Accompanied by Messrs. R. G. Lee and E. Schrader, the Caselton-Black Prince areas were visited on August 12 and 16. The operator has continued churn drilling on CDH No. 25, located on the Cora No. 20 mining claim, and on the date of the inspection, the following data was obtained:

Depth of hole prior to this contract	520.0 feet
Depth of hole on 8/16/55	1,010.0 feet
Drilled under DMEA contract	490.0 feet

Actual drilling had been discontinued temporarily in order to install 8 inch casing, which is expected to be required for the 1,010 feet of depth. The installation of casing should be completed about August 22 and drilling resumed; the churn drill is operated 16 hours per day.

Resume of work completed:

Drilling:	Previously reported	3,309 feet
	7/1 - 8/16/55	490 feet
	Total	3,799 feet
Drilling not completed		10,201 feet
Financial:	Amount of contract	$98,200
	Expenditures	23,163
	Unexpended	$75,037

GEOLOGY

Churn drill hole No. 25 has been extended through various types of limestones. The CMBeds had not been encountered and no lead-zinc mineralization was noted. The extension of this drill hole will be continued.

Glenn G. Gentry
Mining Engineer

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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED SEP 12 1955

Month of July 1955 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name Combined Metals Reduction Company Minerals Lead - zinc
Address 218 Felt Building, P.O.Box 150, SLC, Utah Contract Date 3-2-55
Amendment #1 7-11-55
Contract Amount, $ 96,000.00 Government Participation: 50 % Amount, $ 48,000.00

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	3,290.00	23,163.00	26,453.00	9/15/55		
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	3,290.00	23,163.00	26,453.00			

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

Date 8-22-55 *Payee Combined Metals Reduction Company

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:

$ 1645.00

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

Date Vou. No. 9F-4mca-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. Idm-E767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 8/26/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer DMEA Field Team Region II Date 8/26/55

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-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP 12 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of JULY 1955 Docket No. DMEA 3629 Contract No. Idr-E 767

Operator's Name Combined Metals Reduction Company Minerals Lead - Zinc

Address 218 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	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn	Feet	3,290.00	470.0	26,453.00	3779.0	7.00	14,000	7.00
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS								
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		3,290.00		26,453.00				98,200.00

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

REMARKS:

Date _____ Operator Combined Metals Reduction Co.

Per O. F. Burton Title Treasurer

O. F. Burton

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)

Glenn F. Gardner

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

Exploration Drilling on ACME Group of Claims during Month of July, 1955.

August 16, 1955

Mr. Paul Gemmill, Plant Manager

R. G. Lee

Dear Paul:

No. 3 Churn Drill Rig was moved to the Acme Group of claims during the later part of June and set-up on CDH #25. This hole was drilled to a depth of 520.0 feet in June and July of 1954 to complete assessment work for that year. Later the drill was moved off the Acme claims to do other drilling.

On July 8th of this year, after CDH #25 was cleaned out to 520 feet, drilling was started under DMEA Project/3629 and advanced to a depth of 990.0 feet at the end of the month.

Samples were taken every five feet of advance. The rock section drilled through are shown on the attached sheet A-1681 and location of CDH #25 on sheet A-1682.

Thrust faulting has removed part of Chisholm Shale, all of Prince Lime and probably some of Pioche Shale A.

A fault was encountered at 970 feet, at which point considerable amount of caving is taking place and may require casing. However, as the water table has not been reached, caving may stop after the hole is deepened to the point where the top of the tools are some distance below the fault.

At 990 feet of depth the shale looks like the "C" member of the Pioche Shale.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

COPY

I N V O I C E

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
August 1, 1955

TO:
DMEA Project/3629

Exploration Drilling under DMEA Project/3629 during the month of July, 1955.

470.0 feet of drilling @ $7.00/Ft. $ 3,290.00

APPROVED:

Paul Gemmill

Certified True Copy:

Raymond G. Lee

A - 1681

REFERENCES

COMBINED METALS REDUCTION CO.
Pioche, Nevada

ACME CHURN DRILL HOLE NO. 25

DMEA Project No. 3629

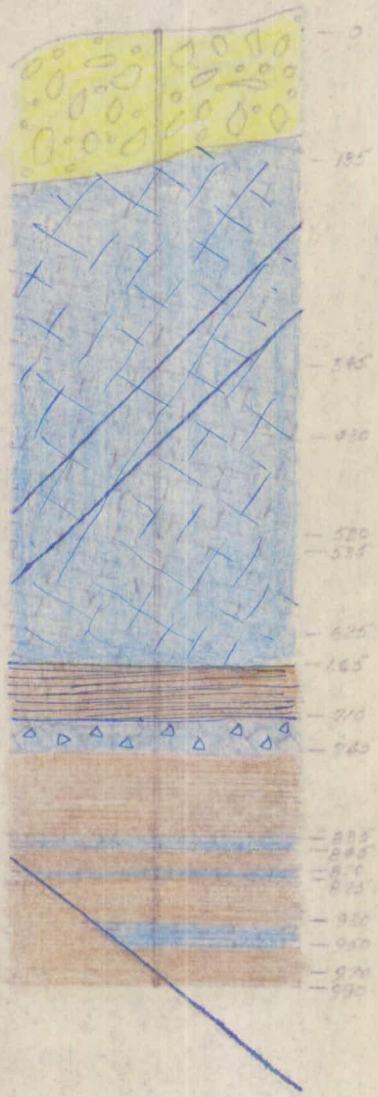
August 19, 1955

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 200'



Location-Claim: Cora 20
Hole started: 6-14-54
At 520 ft. DMEA 7-8-55
Hole finished:
Size of hole: 10 inches
Depth:
Drillers: Fullerton, Schuh
Helpers: Sprague, Orr

LOG OF HOLE

0 -	135	Wash.
135 -	345	Highland Peak limestone (broken).
	345	Fault.
345 -	430	Highland Peak limestone (broken).
	430	Fault.
430 -	520	Highland Peak limestone (broken).
520 -	535	Blue limestone.
535 -	625	White granular Davidson Dolomite.
625 -	665	Davidson blue, some dolomite.
665 -	710	Brown shale, Chisholm.
710 -	745	Lime with shale. Prince limestone. Broken zone.
745 -	835	Shale with some limestone. Pioche "A" shale.
835 -	845	Limestone bed.
845 -	870	Pioche "A" shale.
870 -	875	Limestone bed.
875 -	930	Shale - hard - micaceous.
930 -	950	Limestone - carbonaceous.
950 -	970	Shale - fine grained - non micaceous.
	970	Fault.
970 -	990	Shale - medium fine grained - some mica. Much cave from fault.

A-1682

REFERENCES

COMBINED METALS REDUCTION CO.

ACME CHURN DRILL HOLE 25

Pioche East Side Claims

DME.4 Project No. 3629

Aug. 19, 1955

MADE BY Schrader

TRACED BY

CHECKED BY R.G. Lee

SCALE 1" = 400'

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- 3629

Contract No. Idm-E 767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Areas
Lincoln County, 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)

BUREAU OF MINES
WASHINGTON, D. C.
JUL 11 1 24 PM '55

INTERIM REPORT

RECEIVED

Docket No.: DMEA-3629 - Lead-zinc July 8, 1955 JUL 12 1955

Name and address of operator: Combined Metals Reduction Co.
218 Felt Building
Salt Lake City, Utah

Name and location of property: Caselton-Black Prince Areas
Pioche, Lincoln County, Nevada

Contract No.: Idm-E767

SUMMARY

The office of the Combined Metals Reduction Company, Pioche, Nev., was visited on June 29, 1955 and a conference held with Mr. Paul Gemmill, manager of operations. Drill operations, suspended on April 6, have not been resumed as the operator has submitted a request for a revised program under date of May 3, 1955.

However, on June 28, 1955, the operator moved a Keystone churn drill, Model No. 634610, Model No. 63 spudder, CMR No. 896, to the Cora No. 20 mining claim for the purpose of deepening churn drill hole No. 25 which had been abandoned after reaching a reported depth of 550 feet (see interim report of April 14, 1955). Actual churn drilling is expected to begin on July 1, 1955. Pending approval of the operator's revised request, the above work is being conducted at the operator's expense.

Glenn G. Gentry
Mining Engineer

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
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- 3629

Contract No. Idm-E 767

Commodity Lead-zinc

Operator Combined Metals Reduction Co.

Property Caselton-Black Prince Areas
Lincoln County, Nevada

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)

BUREAU OF MINES
WASHINGTON, D. C.
JUN 16 9 32 AM '55

RECEIVED
JUN 16 1955

INTERIM REPORT

Docket No.: DMEA-3629 - (Lead-zinc) June 14, 1955

Name and address of operator: Combined Metals Reduction Co.
218 Felt Building
Salt Lake City, Utah

Name and location of property: Combined Metals Reduction Co.
Caselton-Black Prince Areas
Pioche, Lincoln County, Nevada

Contract No.: Idm-E767

The office of the Combined Metals Reduction Co. at Pioche, Nevada was visited on June 2, 1955 and the project discussed with Mr. Paul Gemmill, representative for the operator. The operator suspended all drilling operations on April 6, 1955 and then prepared and submitted a revised plan which included rotary drilling, churn drilling and/or diamond drilling in some locations not shown in the original contract.

Mr. Gemmill stated that resumption of drilling would begin immediately upon receipt of approval of the proposed amendment.

Glenn G. Gentry
Mining Engineer

m MF-104 (F.)
(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 April 5 1955 Docket No. DMEA 3629 Contract No. Idm-E 767

Operator's Name COMBINED METALS REDUCTION COMPANY Minerals Lead-Zinc

Address 218 Felt Bldg., P.O. Box 150, Salt Lake City 10, Utah

Contract Amount, $ 98,000.00 Government Participation: 50 % Amount, $ 49,000.00

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:	1,582.00	21,581.00	23,163.00			Approved Blumenfeld Betty
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8). Contingencies (specify):						
TOTALS	1,582.00	21,581.00	23,163.00			

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

Date May 9, 1955 *Payee COMBINED METALS REDUCTION COMPANY

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:

$ 791.00

Lloyd H. Sjolander
Authorized Certifying Officer

Signature (Authorized Certifying Officer)

Date MAY 2 1955 Vou. No. SF-DMEA-31

(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]-5767 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date May 11, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Glenn G. Gentry Executive Officer

Signature S. Ricker Title DMEA Field Team Region II Date May 11, 1955

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:

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(*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.

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 5, 1955 Docket No. DMEA 3629 Contract No. Idm-E 767

Operator's Name COMBINED METALS REDUCTION COMPANY Minerals Lead-Zinc

Address 218 Felt Bldg., 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								
Shafts								
Winzes	Ft.	1,582.00	226.0	23,163.00	3309.0	7.00	14000	98000.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying		None	None	None	None			200.00
Total Distributed Costs		1,582.00		23,163.00				Total Costs Authorized by Contract
Operating Equipment Purchased								98,200.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								23,163.00
Total Costs		1,582.00		23,163.00				75,037.00

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

Date May 9, 1955 Operator COMBINED METALS REDUCTION CO.

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

Exploration Drilling - Black Prince Mining Property - April, 1955.

May 4, 1955

Mr. Paul Gemmill, Plant Manager

R. O. Lee

Re: DMEA Docket No. 3629
Contract No. Idm-4 767
Lead-Zinc

Dear Paul:

Exploration drilling under DMEA Project/3629 was continued during the first seven days of the month in drill hole No. 4.

At 1089 feet of depth, open cavities in limestone caused loss of drilling fluid and consequently no samples could be obtained. Considerable time was spent in trying to establish drilling fluid return by adding fiber, cement and clay but this proved to be of no value due to the large size of the openings at this point. The attached log of Rotary Drill Hole No. 4 - Map A-1670 states the detail more fully.

Drilling was temporarily suspended on April 7th at a depth of 1315.0 feet.

COPY

Very truly yours,

Reginald O. Lee

Reginald O. Lee

INVOICE

COMBINED METALS REDUCTION COMPANY
Pioche, Nevada
May 1, 1955.

TO:
DMEA Project/3629

Exploration Drilling under DMEA Project/3629 during the month of April, 1955.

226.0 feet of drilling @ $7.00/ft. $ 1,582.00

APPROVED:

Frank H. Hudson

Paul Russell

Certified True Copy:

Reginald F. Lee

A - 1670

REFERENCES

COMBINED METALS REDUCTION CO.

ROTARY DRILL HOLE NO: 4

DMEA Contract No. Idm-E767 Docket No. 3629

April 26, 1955

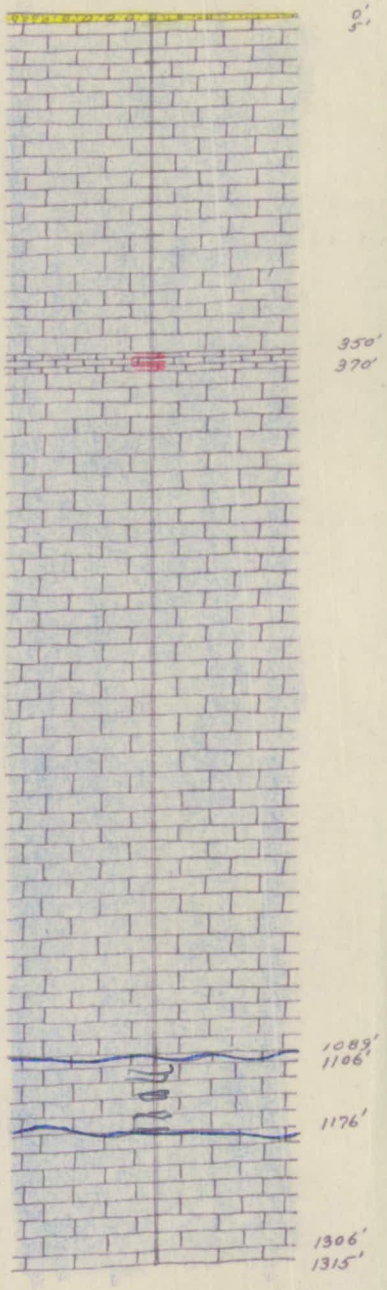
MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1"=200'

Coordinates: N - 13,639.0
E - 90,697.0
Collar Elev: 6,771.0
Claim: Black Prince No. 2 Survey No. 4804
Size of Hole: 7 5/8"
Depth: 1315 ft.
Started: 3-20-55
Finished: 4-7-55



LOG OF HOLE

0 - 5	Wash.
5 - 350	Massive, hard, grey limestone.
350 - 370	Manganese mineralization.
370 - 1089	Massive, hard, grey limestone.
- 1089	Open water course or fault.
1089 - 1106	Core drilled, (2 1/4" dia.). Approx. 18 inches recovery. Massive, hard, grey limestone.
1089 - 1176	7 5/8" rotary drill hole. No sludge return. Tools dropped 5' at 1171'. Open cavities cut during entire run.
1176 - 1306	7 5/8" rotary drill hole. No sludge return.
1306 - 1315	Core drilled, (2 1/4" dia.). Approx. 24 inches of core recovered. Massive, hard, grey limestone.

RESULTS OF SLUDGE SAMPLES TAKEN

Depth From	Depth To		Assays Au	Ag	Pb	Zn	Fe	Ins.	Mn	CaO
350	355	Washed sludge	Tr.	.20	0.5	0.5	-	-	1.7	-
355	360	Washed sludge	.01	.99	0.5	0.6	-	-	3.1	-
355	360	Unwashed sludge	.01	.49	0.5	0.6	1.1	14.6	8.7	35.6
365	370	Unwashed sludge	.01	1.09	0.7	0.5	1.8	23.7	3.1	32.1

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

DEPARTMENT OF THE INTERIOR Defense Minerals Administration RECEIVED MAY 3 1955

Month of March, 1955 Docket No. DMEA 3629 Contract No. Idm-5 767
Operator's Name COMBINED METALS REDUCTION COMPANY Minerals Lead-Zinc
Address 218 Felt Bldg., P.O. Box 150, Salt Lake City 10, Utah
Contract Amount, $98,000.00 Government Participation: 50 % Amount, $49,000.00

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	21,581.00	None	21,581.00			
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	None	None	None			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	21,581.00	None	21,581.00			

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

Date April 29, 1955 Payee COMBINED METALS REDUCTION COMPANY

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:

$10,790.50

Signature [signature]
(Authorized Certifying Officer)
Authorized Certifying Officer

Date 1955 Vou. No. SF-AMCA-31

(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-E767 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date May 2, 1955

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer DMEA Field Team Region II Date May 2, 1955

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 31 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1955 Docket No. DMEA 3629 Contract No. Idm-E 767
Operator's Name COMBINED METALS REDUCTION COMPANY Minerals Lead-Zinc
Address P.O. Box 150, 218 Felt Building, 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								
Raising								
Shafts								
Winzes								
Drilling: Core	Ft.	21,581.00	3083.0	21,581.00	3083.0	7.00	14,000	98,000.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying		None	None	None	None		50	200.00
TOTAL DISTRIBUTED COSTS		21,581.00		21,581.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								98,200.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								21,581.00
TOTAL COSTS		21,581.00		21,581.00				76,619.00

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

Date April 29, 1955 Operator COMBINED METALS REDUCTION CO.

By [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)

Glenn F. Gurley

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

Exploration Drilling - Prince & Black Prince Mines - March, 1955.

April 26, 1955

Mr. Paul Gemmill, Plant Manager

K. G. Lee

Re: DMEA Docket No. 3629
Contract No. idm-t 767
Lead-Zinc

Dear Paul:

Exploration drilling under above referred DMEA Project became effective March 2, 1955, in Rotary Drill Hole No. 2 at 1045.0 feet of depth. This drill hole was completed at 1600.0 feet after drilling throught 1280 feet of extrusive flow rock and 95 feet into the underlaying limestone which is believed to be the Prince Limestone. No ore was found in this drill hole.

Rotary Drill Hole No. 3 was drilled to depth of 1439 feet, all in limestone and shale except for the first 130 feet through surface wash.

Some manganese mineralization was encountered in the limestone between 435 feet and 455 feet. Due to extensive faulting in this area near the "Bad-Line Fault" some of the Pioche shale section was repeatedly cut in this drill hole. No ore was found in this drill hole.

Rotary Drill Hole No. 4 located in the Black Prince No. 2 claim was drilled to a depth of 1089 feet during the month. The rock section cut in this hole was light gray massive and hard limestone. From 330 feet to 370 feet of advance considerable manganese oxide mineralization was encountered.

<u>Footage Drilled Under DMEA Contract - Month of March</u>

Drill Hole No.	From	To	Feet
2	1045.0'	1600.0'	555.0'
3	0.0'	1439.0'	1439.0'
4	0.0'	1089.0'	1089.0'
		Total	3083.0'

Attached are logs of drill holes and maps showing locations.

Very truly yours,

Reginald G. Lee

Reginald G. Lee

I N V O I C E

COMBINED METALS REDUCTION COMPANY
Fische, Nevada
April 1, 1955.

TO:
DMA Project/3629

Exploration Drilling under DMA Project/3629 during the month of March, 1955.

3083.0 feet of drilling @ $7.00/ft. $ 21,581.00

APPROVED:

Frank H Hudson

Certified True Copy:

Raymond G Lee
Supt. of Mines

A - 1670

REFERENCES

COMBINED METALS REDUCTION CO.

ROTARY DRILL HOLE NO: 4

DMEA Contract No. Idm-E767 Docket No. 3629

April 26, 1955

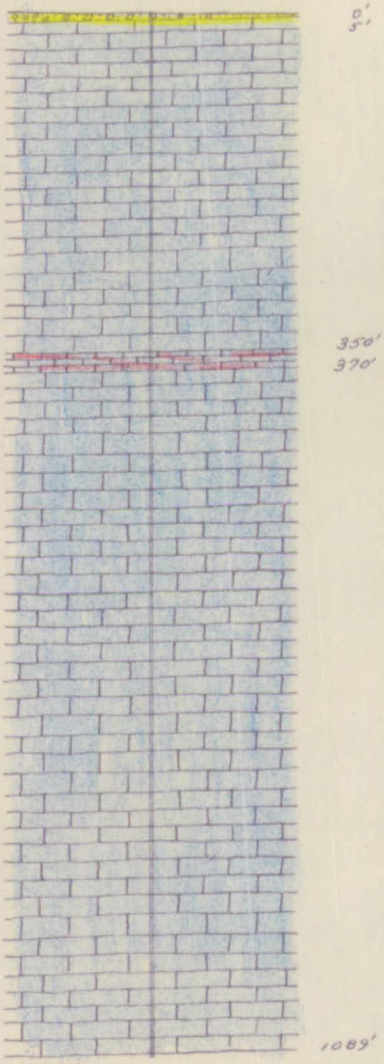
MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1"=200'

Coordinates: N - 13,639.0
E - 90,697.0
Collar Elev: 6,771.0
Claim: Black Prince No. 2 Survey No. 4804
Size of Hole: 7 5/8"
Depth: 1315 ft.
Started: 3-20-55
Finished: 4-7-55



LOG OF HOLE

0 -	5	Wash.
5 -	350	Massive, hard, grey limestone.
350 -	370	Manganese mineralization.
370 -	1089	Massive, hard, grey limestone.

Bottom of hole 4-1-55

RESULTS OF SLUDGE SAMPLES TAKEN

Depth From	Depth To		Assays Au	Ag	Pb	Zn	Fe	Ins.	Mn	CaO
350	355	Washed sludge	Tr.	.20	0.5	0.5	-	-	1.7	-
355	360	Washed sludge	.01	.99	0.5	0.6	-	-	3.1	-
355	360	Unwashed sludge	.01	.49	0.5	0.6	1.1	14.6	8.7	35.6
365	370	Unwashed sludge	.01	1.09	0.7	0.5	1.8	23.7	3.1	32.1

A - 1669

REFERENCES

COMBINED METALS REDUCTION CO.

ROTARY DRILL HOLE NO. 3

DMEA Contract No. Idm-E767 Docket No. 3629

April 19, 1955

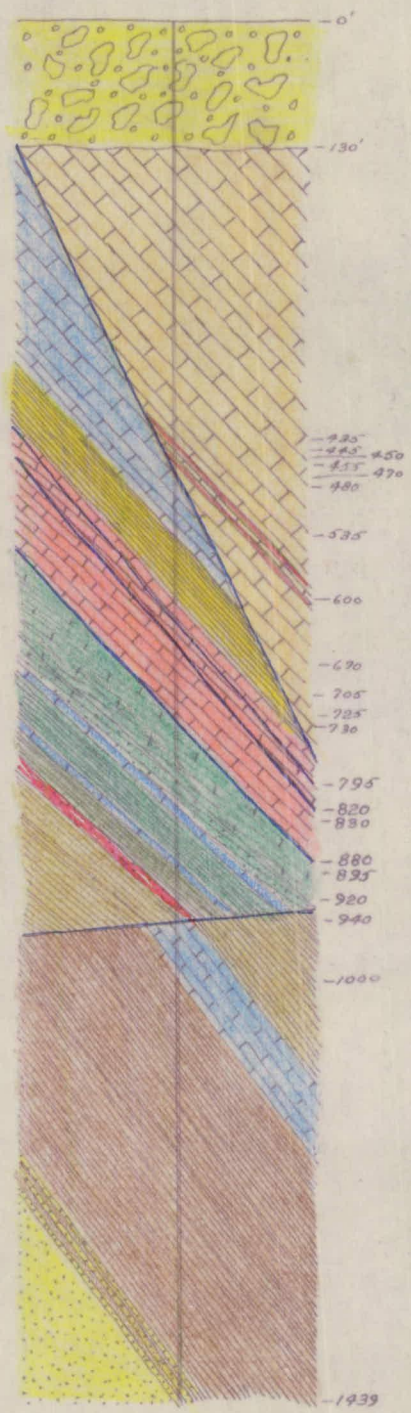
MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 200'

Coordinates: N - 5,438.80
S - 10,708.67
Collar Elev: 5,781.03
Claim: Louise Sur. No. 3528
Size of Hole: 7 5/8"
Depth: 1439 ft.
Driller: Exploration Drilling Co.
Started: 3-9-55
Finished: 3-15-55



LOG OF HOLE

0 - 130	Wash.
130 - 435	Grey to dark grey dolomite. Probably includes Davidson Dolomite.
435 - 445	Manganese mineralization.
445 - 450	Limestone.
450 - 455	Manganese mineralization.
455 - 470	Limestone.
470 - 480	Faulting.
480 - 535	Davidson blue limestone.
535 - 600	Chrisolm shale - interbedded.
600	Probable faulting.
600 - 670	Prince limestone and faulting.
670 - 705	Shaly limestone.
705 - 725	Limestone.
725 - 730	Faulting.
730 - 795	Limey shale.
795 - 820	Sandy shale some limestone.
820 - 830	Limestone.
830 - 880	Shale - Pioche "A", micaceous.
880 - 885	Limestone.
885 - 920	Brown shale - oxidation, mica.
920 - 940	Manganese mineral and sandstone.
940 - 1000	Mud - This zone probably C:M: bed. No sludge obtained in this zone - leached.
1000 - 1439	Pioche "D" shale. Interbedded quartzite at bottom of hole.

RESULTS OF SLUDGE SAMPLES TAKEN

Depth From	Depth To	Assays Au	Ag	Pb	Zn	Fe	Ins.	Mn	CaO
435	440	-	-	1.0	0.8	-	-	1.3	-
440	445	-	-	1.0	0.8	4.2	5.2	2.0	45.9
450	455	-	-	0.9	0.9	-	-	1.9	-

A-1672

REFERENCES

1

COMBINED METALS REDUCTION CO.

PRINCE COSOLIDATED MINING Co.
Rotary Drill Holes No. 2 and No. 3
DMEA No. 3629

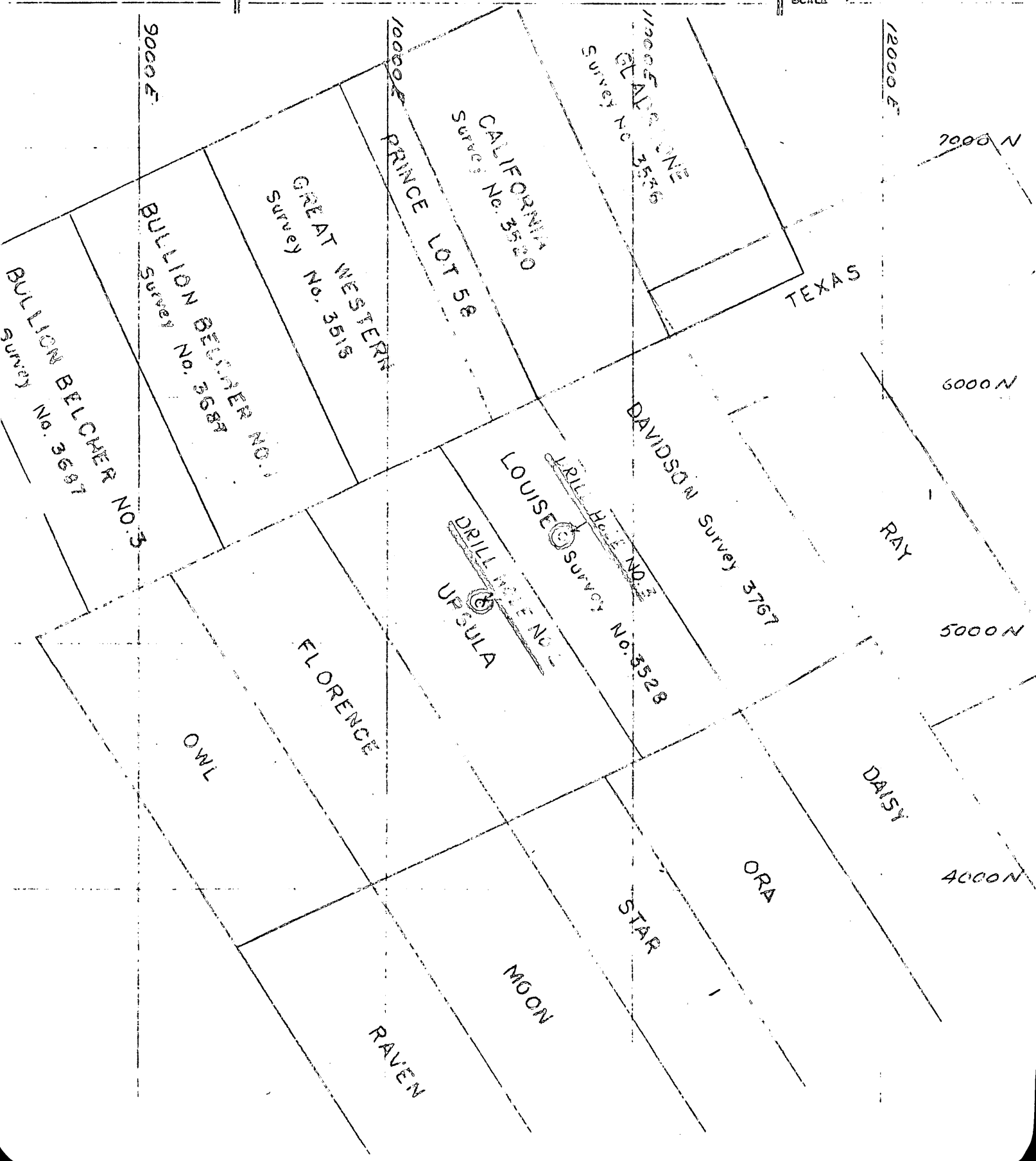
April 26, 1933

MADE BY Schneider

TRACED BY

CHECKED BY

SCALE 1" = 500'



A 16[illegible]

REFERENCED

COMBINED METALS REDUCTION CO.

[illegible] PROPERTY

DRILLING [illegible] No. [illegible]

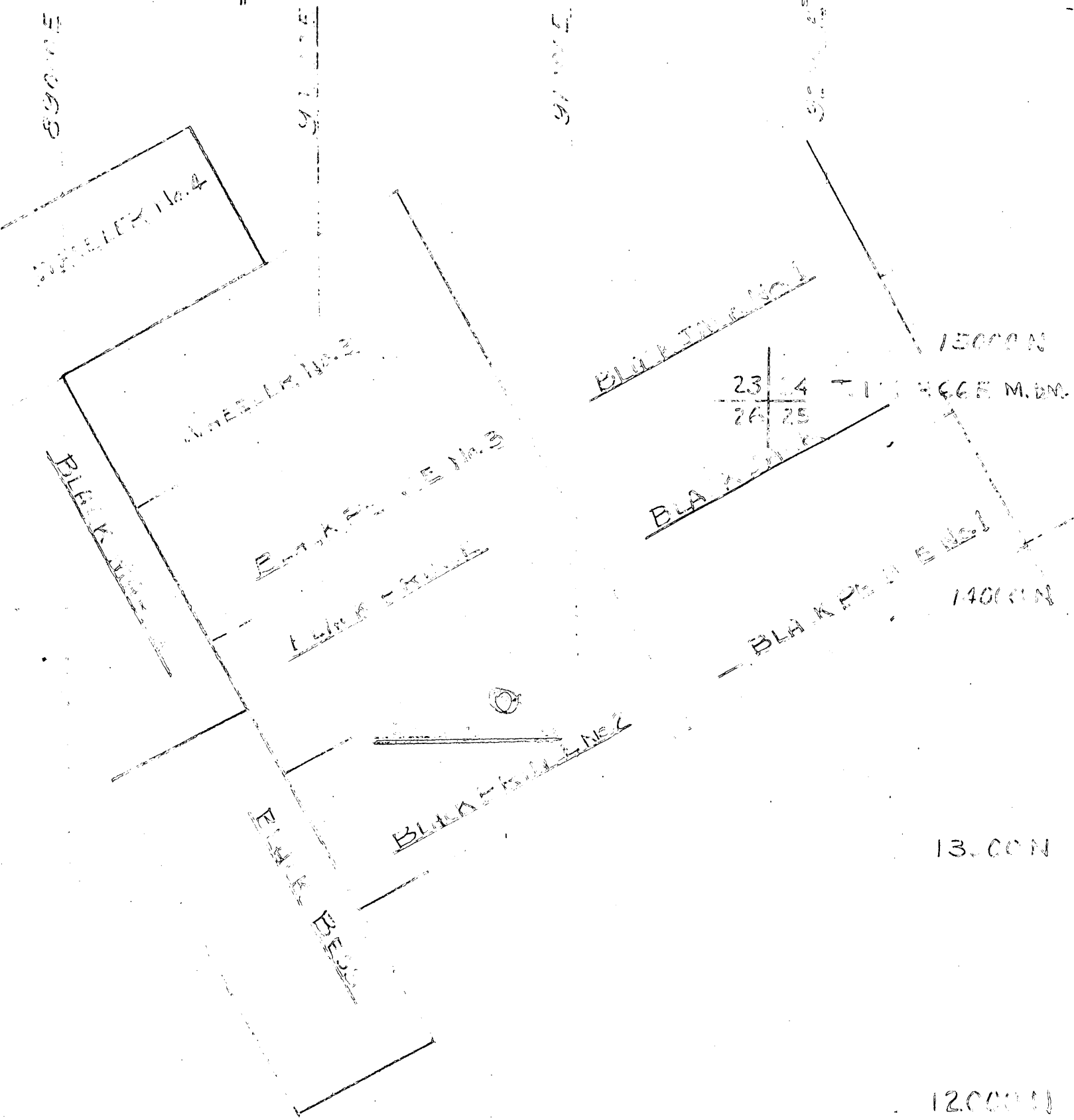
19[illegible]

MADE BY

TRACED BY

CHECKED BY

SCALE 1" = 50'



A - 1668

REFERENCES

COMBINED METALS REDUCTION CO.

ROTARY DRILL HOLE NO. 2

DMEA Contract No. Idm-2767 Docket No. 3629

April 19, 1955

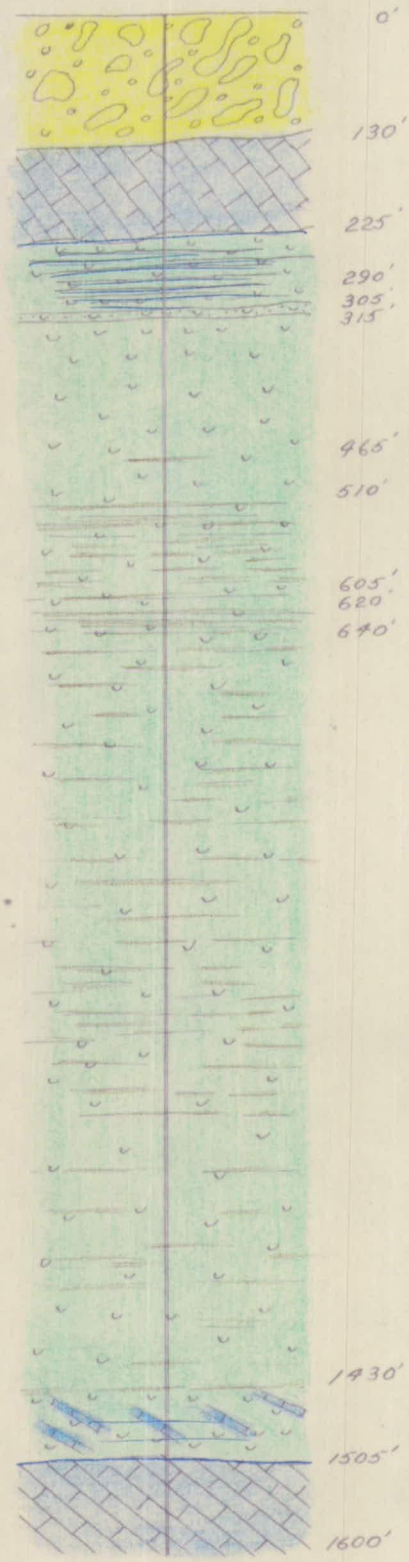
MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 200'

Coordinates: N - 5,165.97
S - 10,874.10
Collar Elev: 5,795.
Claim: Ursula
Size of Hole: 7 5/8"
Depth: 1600 ft.
Driller: Exploration Drilling Co.
Started: 3-27-55
Finished: 3-4-55



LOG OF HOLE

0 -	130	Wash.
130 -	225	Limestone (solid).
225 -	290	Porphyry (biotite dacite). Possibly in thrust zone.
290 -	305	Andesite flow, red in color.
305 -	315	Black, glassy (obsidian).
315 -	465	Porphyry? Biotite dacite, red in color.
465 -	510	Porphyry, (biotite dacite).
510 -	605	Porphyry, biotite dacite with some clay.
605 -	620	Porphyry, biotite dacite.
620 -	640	Porphyry, biotite dacite with clay.
640 -	1430	Porphyry, biotite dacite with small amounts of clay.
1430 -	1505	Porphyry with limestone.
1505 -	1600	Limestone (could be Prince).

RESULTS OF SLUDGE SAMPLES TAKEN

Depth		Assay							
From	To	Au	Ag	Pb	Zn	Fe	Ins.	Mn	CaO
125	130	-	-	1.0	1.9	-	-	3.0	-
345	350	-	-	0.7	0.9	5.6	77.0	0.1	7.7

DMEA

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

AIR MAIL

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 20 1955

1605 Evans Avenue
Reno, Nevada

April 18, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3629 - Lead-zinc
Combined Metals Reduction Co.
Caselton-Black Prince Areas
Contract No. Idm-E767

Attached are four copies of interim report on above subject docket. This report gives the present status of the project, but before taking any further action, we must await for proposal from the operators as to their plans for future work.

We have not yet received MF-104 vouchers nor the Consent to Lien forms from the operator. The operator understands that payment on work done is subject to receipt of Consent to Lien forms by this office.

S. Ricker

S. Ricker

Attach.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 20 1955

INTERIM REPORT

Docket No.: DMEA-3629 - Lead-zinc April 14, 1955

Name and address of operator: Combined Metals Reduction Co.
218 Felt Building
Salt Lake City, Utah

Name and location of property: Combined Metals Reduction Co.
Caselton-Black Prince Areas
Pioche, Lincoln County, Nevada

Contract No.: Idm-E767

SUMMARY

The Caselton-Black Prince areas of the Combined Metals Reduction Company, situated adjacent to the town of Pioche, Nevada, was visited on April 9, 1955 for the purpose of inspecting the progress and results of rotary drilling which had been conducted by the applicant in an effort to locate new mineralized areas and the Combined Metals limestone beds. During the inspection, the examining engineer was accompanied by Mr. Paul Gemmill, manager of operations for the applicant; Mr. R. G. Lee, assistant to Mr. Gemmill; and Mr. H. K. Stager, geologist, U. S. Geological Survey.

Drilling has been conducted by means of a rotary drill rig, and holes 2, 3 and 4 have been completed. No lead-zinc mineralization has been encountered in these holes.

Drilling of hole No. 4 was completed to a depth of 1,315 feet and was discontinued on April 6, 1955 due to loss of water circulation

in the drill hole caused by encountering a fissured or fractured formation and because it appeared probable that the CM beds, if found, would be below an economical horizon.

After discontinuing drilling operation, the operators have been reviewing the geology of the area and have submitted revised locations for drill holes 5, 6, and 7 to the officers and consulting geologists of the Combined Metals Reduction Company and to the examining engineer and geologist representing the Government. The revised locations are the result of additional study by the applicant's geologists, and drill holes 5 and 6 are located within economical distance from present levels of the Caselton shaft.

The proposed drill holes 5 and 6 are expected to be relatively shallow, and the operators are considering the use of a large churn drill. Drill hole 7 may be a deep hole and consideration is being given to the use of a rotary drill rig which is immediately available.

CONCLUSIONS AND RECOMMENDATIONS

From geological evidence and information available, it appears that the operators have located drill holes 5 and 6 in areas that offer a possibility of finding the CMbeds. Drill hole 7 is located on the Cora No. 20 claim, and if lead-zinc ore is found, it will be necessary to sink a new shaft for mining operations.

Due to the size of the geological target and favorable formations,

the examining engineer recommends approval of the continuation of the drilling project as outlined on the accompanying maps.

Drill holes 8 and 9, tentatively located in the area of drill hole No. 7, should be held in abeyance until the results of hole 7 are known.

WORK COMPLETED

Drill Hole No.	Date Started	Date Completed	Depth, Feet	Collar Elevation	Coordinates North	Coordinates East
2	2/27/55	3/4/55	555*	5793.32	5163.97	110374.10
3	3/9/55	3/15/55	1,439	5781.03	5438.80	110708.67
4	3/20/55	4/6/55	1,315	6771.00	13639.00	90697.00
	Total drilled		3,309			

Drilling not completed: 10,691.0 feet

*This hole was drilled to a depth of 1,600 feet, however, Government participation was only 555 feet, as the first 1,045 feet of the drill hole was conducted at the sole expense of the operator.

No lead-zinc mineralization was encountered in holes 2, 3, and 4. In drill hole No. 3, the CM bedding was entered at 940 feet and ended at 1,000 feet. The bedding, where drilled, contained mud in the form of highly oxidized and leached material; no lead-zinc mineralization was observed.

FINANCIAL REPORT

At this writing, the operators have not submitted a report of expenditures nor the necessary "Consent to Lien". Mr. Gemmill informed the examining engineer that the "Consent to Lien" documents had been signed by the owners of the property and should be received by the Government in the immediate future.

Resume:

Applicants Revised Drilling Program

Drill hole No. 5: To be located on the Lost Treasure claim at coordinates 20110 N and 6370 E, northeast of the Apex fault and southwest of the contact fault. The depth of the hole is estimated at approximately 1200 feet. The operators hope to intersect the CM beds at approximately 1000 feet. This drill hole will be about 2000 feet from the end of the present 600 level, North drift off the Caselton shaft. The operators are considering the use of a diamond drill, or large churn drill, as it will not be possible to move the heavy rotary drill rig to the drill site which is in the vicinity of the old Alliance mine workings. The purpose of this hole is to probe for the CM beds and a possible east to west ore channel which is expected to strike through the Alliance mine area. The target is several thousand feet of CM beds along the strike having an estimated thickness of about 40 feet. If found, the tonnage would be very significant.

Drill hole No. 6: To be located on the John D. claim at coordinates 110540 E and 8860 N. The depth of this hole is expected to be approximately 1350 feet and the drill hole would be about 1200 feet from the face of the 1400 level. The purpose of this hole is to prospect for the CM beds in the area of the Golden Eagle shaft. This hole is approximately S. 70° E, 1200 feet from the present face of the

1400-foot level off the Caselton shaft and would be within economical mining limits. Due to the relatively shallow depth of the hole, the operators are considering drilling by means of a large churn drill.

Drill hole No. 7: To be located on the Cora No. 20 claim and will consist of deepening the Acme churn drill hole No. 25, which had reached a depth of 550 feet and then abandoned. Churn drill hole No. 24, located on the Cora No. 19 claim, had been previously drilled by the operator to a depth of 1,350 feet. In this hole, the operator reports that the CM bed was intersected at 1220 feet. Hole No. 7 is approximately N. 30° W., 700 feet from churn drill hole No. 24. Hole No. 7 may be put down by means of the rotary drill rig, as the road to the drill site offers reasonably good access and transportation. The horizon of the CM beds is estimated by the operator at about 1500 feet. The production of ore from this area would require the installation of necessary equipment and the sinking of a new shaft.

Drill holes 8 and 9: The operator tentatively has proposed that these holes be drilled in an area northwest of drill hole 7. However, after further discussion and consideration, it was concluded that the location of holes 8 and 9 should not be determined until the results of drill hole 7 had been evaluated.

General

The applicant expects to secure "Owners Consent to Lien" covering the Salt Lake - Pioche group of claims and the Acme Mines Co. claims.

Glenn G. Gentry
Mining Engineer

GEOLOGY (by H. K. Stager, Geologist, USGS)

Although the four deep rotary drill holes completed to date have not discovered reserves of lead-zinc ore, they have yielded geologic knowledge that will be of great value in future exploration.

Hole No. 1 on the Cedar Fraction claim, completed before the DMEA contract was signed, was bottomed in biotite dacite at a depth of 2,450 feet. This hole proved the displacement on the Frontal fault, west of Caselton, is much greater than was previously anticipated and that the C.M. bed is perhaps as much as 8,000 feet below the surface in this area, a depth far in excess of what could be exploited economically from existing mine workings or from the surface.

Hole No. 2, on the Ursula claim south of the Prince mine, went into biotite dacite at a depth of 225 feet and into probable Prince (Lyndon) limestone at 1,505 feet indicating the presence of a previously unknown east-west fault south of the End Line fault. This fault has shifted the Frontal fault about 1,000 feet east and probably indicates the depth to the C.M. bed in this area is about 2,500 feet.

Hole No. 3, about 500 feet northeast of No. 2 on the Louise claim, cut the C.M. bed between 940 and 1,000 feet but the ore zone had been completely oxidized and leached out leaving only a red-brown mud. The information obtained from holes No. 2 and 3 indicates that

the block of ground containing the C.M. bed south of the Prince mine is too small in size and too thoroughly oxidized to contain an ore body of economic grade and size.

Hole No. 4, on the Black Prince No. 2 claim, was drilled through 1,315 feet of probable "Mendah" limestone and indicates the C.M. bed in this area is probably from 2,500 to 5,000 feet below the surface, a depth in excess of possible economic exploitation at present. Circulation was lost in a fault zone at 1,090 feet and was never regained. The Black Prince fissure was cut between 350 and 365 feet and contained some lead and zinc in manganiferous limestone. The "greater-than-expected" thickness of limestone revealed by this hole adds greatly to the potential of the Black Prince mine as a source of manganese ore. Further testing of the manganese content of the Black Prince fissure at depth will probably be undertaken by the operators at some future time.

The project is now recessed to allow for appraisal of the results obtained to date and to allow a new proposal to be made and approved by the operators and the Government. Tentative plans discussed by the operators and representatives of the DMEA field team include at least one 1,200-foot inclined diamond drill hole to test the C. M. bed between the Ely Valley and Caselton mines, under the old Alliance mine. The probability of finding minable ore in this block of ground is geologically good. If ore is discovered by this hole, it could

be readily reached with about 2,000 feet of drifting from the Caselton 660-foot level.

A churn or rotary drill hole is tentatively planned for the block of ground between the Caselton and Prince mines in the vicinity of the Golden Eagle mine, on the John D claim. This hole would be in a previously untested block of ground that may contain a northward extension of the Prince ore channel. If ore is discovered by the hole, estimated to require about 1,350 feet of drilling, it could be reached by about 1,200 feet of drifting from the face of the Caselton 1,400-foot level. The geologic probability of finding ore in this block is good.

From one to three churn or rotary drill holes are tentatively planned to test the eastward extension of the Caselton ore channel in the vicinity of the Cora No. 20 claim. Acme hole No. 25 (500 feet deep) will be deepened to about 1,500 feet to test the C.M. bed in this area. If this hole yields encouraging information, several other churn or rotary drill holes will be drilled in the vicinity. Drilling in this area was recommended in the original examination report. A discovery in this area would mean a major extension of the Caselton ore channel.

DMEA-3629
(Lead-Zinc)
Combined Metals Reduction Co.
Pioche, Lincoln Co., Nevada

Hole No. 1 (Rotary)

Coordinates: 15,035 N - 112,077 E

Collar elevation: ±6,100 feet

Claim: Cedar Fraction

Hole started: February 3, 1955

Hole finished: February 23, 1955

Total depth: 2,450 feet - DMEA participation - None

Size hole: 7-5/8 inches

Log

From	To	Rock
0	30	Wash
30	362	Blue limestone
362	465	Biotite dacite
465	810	Blue limestone
810	830	Intermixed blue limestone and dacite
830	865	Biotite dacite
865	875	Blue limestone
875	895	Biotite dacite
895	910	Blue limestone
910	950	Biotite dacite
950	1030	Blue limestone - possible old erosion surface at 950 feet - several well rounded particles noted
1030	2450 BTM	Biotite dacite

DMEA-3629
(Lead-Zinc)
Combined Metals Reduction Co.
Pioche, Lincoln Co., Nevada

Hole No. 2 (Rotary)

Coordinates: 5,163.97 N - 110,374.10 E

Collar elevation: 5,793.32 feet

Claim: Ursula (unpatented)

Hole started: February 27, 1955

Hole finished: March 4, 1955

Total depth: 1,600 feet - DMEA participation - 555 feet

Size hole: 7-5/8 inches

Log

From	To	Rock
0	130	Wash
130	225	Limestone (Highland Peak?)
225	290	Biotite dacite and limestone (possible thrust zone)
290	305	Red Andesite
305	315	Black obsidian glass
315	465	"Red flow" - andesite porphyry
465	605	Biotite dacite - with some clay 510-605
605	620	Biotite dacite
620	640	Clay in biotite dacite
640	1430	Biotite dacite
1430	1505	Mixed biotite dacite and limestone
1505	1600 BTM	Limestone - 3% insol. residue - "Prince Ls"?

DMEA-3629
(Lead-Zinc)
Combined Metals Reduction Co.
Pioche, Lincoln Co., Nevada

Hole No. 3 (Rotary)

Coordinates: 5,438.80 N - 110,708.67 E

Collar elevation: 5,781.03 feet

Claim: Louise (patented)

Hole started: March 9, 1955

Hole finished: March 15, 1955

Total depth: 1,439 feet - DMEA participation: 1,439 feet

Size hole: 7-5/8 inches

Log

From	To	Rock
0	130	Wash
130	535	Dark grey and light grey dolomite (probably "Davidson blue"). Manganese stains 435-445, 450-455. Possible fault at 470-485.
535	600	Chisholm shale with some interbedded limestone
600	--	Probable faulting
600	670	Prince limestone with some faulting
670	705	Shaley limestone
705	725	Limestone - (probably 20' marker bed)
725	730	Faulting
730	795	Limy shale
795	820	Sandy shale
820	825	Limy shale

Hole No. 3 (Rotary) - Cont'd.

From	To	Rock
825	880	Shale "A"
880	885	Limestone
885	920	Brown, oxidized, micaceous shale
920	940	Sandstone - manganese stained
940	1000	Mud - fault zone - "C.M." bed leached out of this interval.
1000	1439 BTM	"D" shale - quartzite rich in bottom

DMEA-3629
(Lead-Zinc)
Combined Metals Reduction Co.
Pioche, Lincoln Co., Nevada

Hole No. 4 (Rotary)

Coordinates: 13,639 N - 90,697 E

Collar elevation: 6,771 feet

Claim: Black Prince No. 2

Hole started: March 20, 1955

Hole finished: April 6, 1955

Total depth: 1,315 feet - DMEA participation: 1,315 feet

Size hole: 7-5/8 inches

Log

From	To	Rock
0	5	Wash
5	350	Dense dark gray limestone - few shaley layers
350	365	Manganese stained limestone - fissure about 15 percent Mn, 0.5 percent Pb, and 0.5 percent Zn.
365	1090	Dense dark gray limestone - few shaley layers Circulation lost at 1,090.
1090	1105	Cored - dense dark gray limestone with some gray brown mottling.
1105	1306	Open fractures and crushed limestone. Tools dropped as much as 5 feet at a time.
1306	1315 BTM	Cored - dense dark gray limestone - "Mendah"

COMBINED METALS REDUCTION COMPANY
LINCOLN COUNTY, NEVADA
DOCKET No. DMEA 3629 Lead - Zinc
CONTRACT No. IDM - E 767

RDH No. 3

START MAR. 9-55

COLLAR ELEV. 5781.03

MINING CLAIM ··LOUISE

COORDINTES: 5438.80 N
110,708.67 E

WASH

DARK GREY and GREY DOLOMITE

PROBABLY INCLUDES

DAVIDSON Lms

Lms
Faults

DAVIDSON, BLUE Lms

CHISHOLM, BLUE Lms
Probable Faulting

PRINCE Lms and FAULTING

SHALY Lms
Lms
Faulting

LIMEY SHALE

SANDY SHALE, Some Lms
Lms

SHALE-A- Micaceous
Lms

BROWN SHALE, OXIDATION, MICA
MANGANESE MINERALIZATION, SANDSTONE
MUD, CMBED, LEACHED MATERIAL, NO SAMPLE

D SHALE, With
interbedded QUARTZITE At bottom

NO LEAD-ZINC MINERALIZATION FOUND IN THIS DRILL HOLE

COMPLETED
MAR. 15, 55

BOTTOM ELEV. 4342.03

TOTAL DEPTH = 1439 FT.

VERT. SCALE 1" = 200'

COMBINED METALS REDUCTION COMPANY

LINCOLN COUNTY, NEVADA

DOCKET No. DMEA 3629 Lead-Zinc

CONTRACT No. IDM-E 767

MINING CLAIM··· BLACK PRINCE No. 2

COORDINATES:

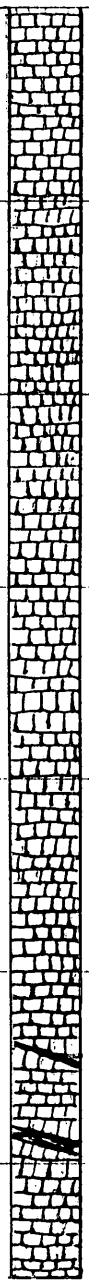
13,639.0 N

90,697.0 E

RDH No. 4

START MAR. 20,55

COLLAR ELEV. 6771.0



THIS HOLE DRILLED ENTIRELY IN MENDA LIMESTONE

NO LEAD-ZINC MINERALIZATION FOUND IN THIS DRILL HOLE

SMALL FAULT

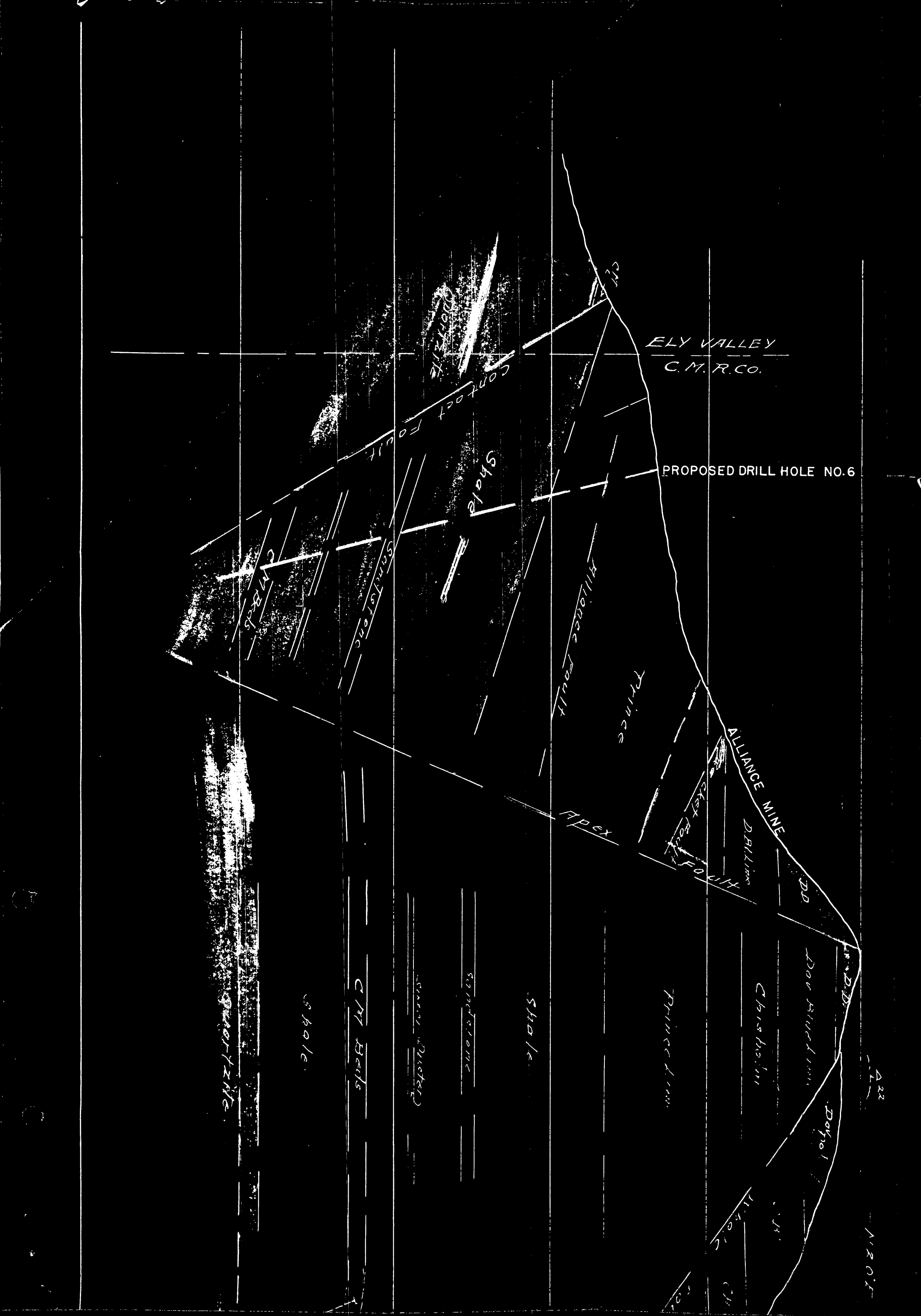
MAJOR FAULT OR WATER COURSE

COMPLETED APRIL 6,55

BOTTOM ELEV. 5456.0

TOTAL DEPTH = 1315.0 Ft.

VERT. SCALE 1" = 200'


ELY VALLEY
C.M.R.CO.
PROPOSED DRILL HOLE NO.6
ALLIANCE MINE
Apex
Prince
Alliance Fault
Shale
Contact Fault
Contact
Sandstone
Chert
Shale
Chert Breccia
Shale
Conglomerate
Shale
Chert Breccia
Shale
Conglomerate
Shale
Chert Breccia
Shale
Conglomerate

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

1605 Evans Avenue
Reno, Nevada

~~420 Custom House~~
~~555 Battery Street~~
~~San Francisco 11, California~~

Date: March 14, 1955

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 3629

Contract Idm-E 767

Commodity lead-zinc

Operator - Combined Metals Reduction Co.

Property - Caselton-Black Prince Areas
Lincoln County, Nev.

By Glenn G. Gentry

Dated March 10, 1955

Executive Officer,
DMEA Field Team, Region III

Attachments

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

RECEIVED

INTERIM REPORT

Docket No.: DMEA-3629 (Lead-zinc) March 10, 1955

Name and address of operator: Combined Metals Reduction Co.
Caselton Plant
Pioche, Nevada

Name and location of property: Combined Metals Reduction Co.,
Caselton-Black Prince Areas
Lincoln County, Nevada

Contract No.: Idm-E767

SUMMARY

The Caselton mine office and the surrounding areas of the Prince Consolidated and Black Prince mines together with the Cora No. 20 mining claim were visited on March 5, 1955 for the purpose of inspecting the Rotary drilling conducted by the operator under the exploration contract.

During the inspection, the examining engineer was accompanied by Mr. Paul Gemmill, manager of Nevada operations for the applicant. The applicant has employed the Exploration Drilling Company of Bakersfield, California to furnish all labor and equipment and conduct the drilling by means of a rotary drill rig. Beginning on February 3, 1955, this contractor started drilling hole No. 1 and on February 23 had completed the drill hole to a depth of 2,450 feet. Drill hole No. 1 was drilled entirely at the expense of the operator and due to the lack of mineralization and encouraging geological formations, the drill hole was abandoned on February 23 at a depth of 2,450 feet.

After completing drill hole No. 1, the operator moved the rig to the site of drill hole No. 2, which is approximately 1,150 feet south of the Prince shaft. Drilling was started on February 27, 1955 and completed on March 4, 1955 when the hole had reached a depth of 1,600 feet. = 2.00'/day

No lead-zinc mineralization was encountered in the drill hole, however, from 1430 to 1600 feet the hole was drilled through blue to black limestone which shows some bleaching. Mr. Gemmill considers this material to be the Lyndon limestone (resembles the Prince limestone) and is encouraging due to the apparent establishment of definite limits of the dacite porphyry flow rock and the welded tuff. Drill hole No. 2 had reached a depth of 1,045 feet on the date of the contract, therefore, Government participation in this drill hole amounts to 555 feet.

Hole 3?

The actual drilling costs of hole No. 2 were reported to be $4.74 per foot. Additional costs borne by the operator, include road construction to the drill sites, clearing of the drill site, supervision, engineering, care and separation of samples, preparation of samples, assaying and bookkeeping.

At the end of each 24-hour period, the Exploration Drilling Company furnishes the operator with a drilling tour report and time card, which lists the men employed by the drilling contractor and the

work performed. The operator will attach copies of these substantiating documents to his narrative when the monthly MF-104 financial and progress reports are rendered.

The operator secures a sample of each 5-foot section of drill hole, and this sample is dried and placed in a proper container for examination and study by the geologist and the mining engineer. The sample is mixed, and one half is placed in a paper sack, properly marked, and held for the Government.

The operator expects to start drilling hole No. 3 on or about March 9, 1955. This drill site has been prepared, and the hole collared at approximate coordinates 5,438.80N, 10,708.67E. The collar elevation is 5,781.03.

CONCLUSIONS AND RECOMMENDATIONS

The location of drill sites has been considered to be of a flexible nature, dependent upon the information secured from the prior hole drilled and upon further study of the geological formations and upon Mr. Gemmill's knowledge and experience obtained during his many years of studying the geology of the district.

Due to the absence of mineralization in drill hole No. 1 and the fact that the Combined Metals beds were not encountered, the operator considers that drilling of holes Nos. 2, 4 and 6 is not justified in their original location as indicated on Map C-1085, which is attached to and made a part of the docket and the examination report.

Drill hole No. 2, completed in a new location, south of the Prince shaft, replaces the original location proposal. New sites for drill holes Nos. 4 and 6 will be determined as soon as additional information is available.

Also, further information and geological study may make it advisable to relocate hole No. 5 at the site of churn drill hole No. 1 (see Map C-1085 attached to Examination Report). However, there is a possibility of drilling two holes in the area between churn drill hole No. 1 and the original location of hole No. 5.

The applicant is making a further study of the area of the Cora No. 20 mining claim upon which he has proposed to drill hole No. 7, and this review may indicate that several holes in new locations might be considered in order to establish the horizon of the eastern continuation of mineralization.

Due to the rate of drilling progress which has been obtained in holes Nos. 1 and 2, it is recommended that the inspecting geologist of the U.S. Geological Survey make frequent inspections of the drilling sludges and/or cores in order that the mining engineers of the Bureau of Mines, DMEA, may have the benefit of his advise and suggestions in the location of subsequent drill holes.

WORK COMPLETED

Drill hole No. 1: Drilled at operator's expense and prior to the contract. Depth 2,450 feet. Government does not participate in the cost of this hole.

	Feet
Drill hole No. 2: Previously reported	-
Government participation from 1045 to 1600 feet	555
Total completed	555

Collar elevation	5,793.32 feet
Bottom "	4,193.32 "
Depth of hole	1,600.00 "
Coordinates:	5,163.97N
	10,374.10E

Why not go on and drill? Are we only going to get structural information? F.J.

FINANCIAL REPORT

As the exploration under the contract has only been in operation since March 2, 1955, the operator has not submitted his monthly report of expenditures.

RESUME

The drilling contractor is operating the drill on the basis of three shifts per day for seven days per week. No difficulties have been encountered in drilling holes Nos. 1 and 2 and the progress and operations are considered to be satisfactory.

Glenn G. Gentry
Mining Engineer, DMEA
Region II

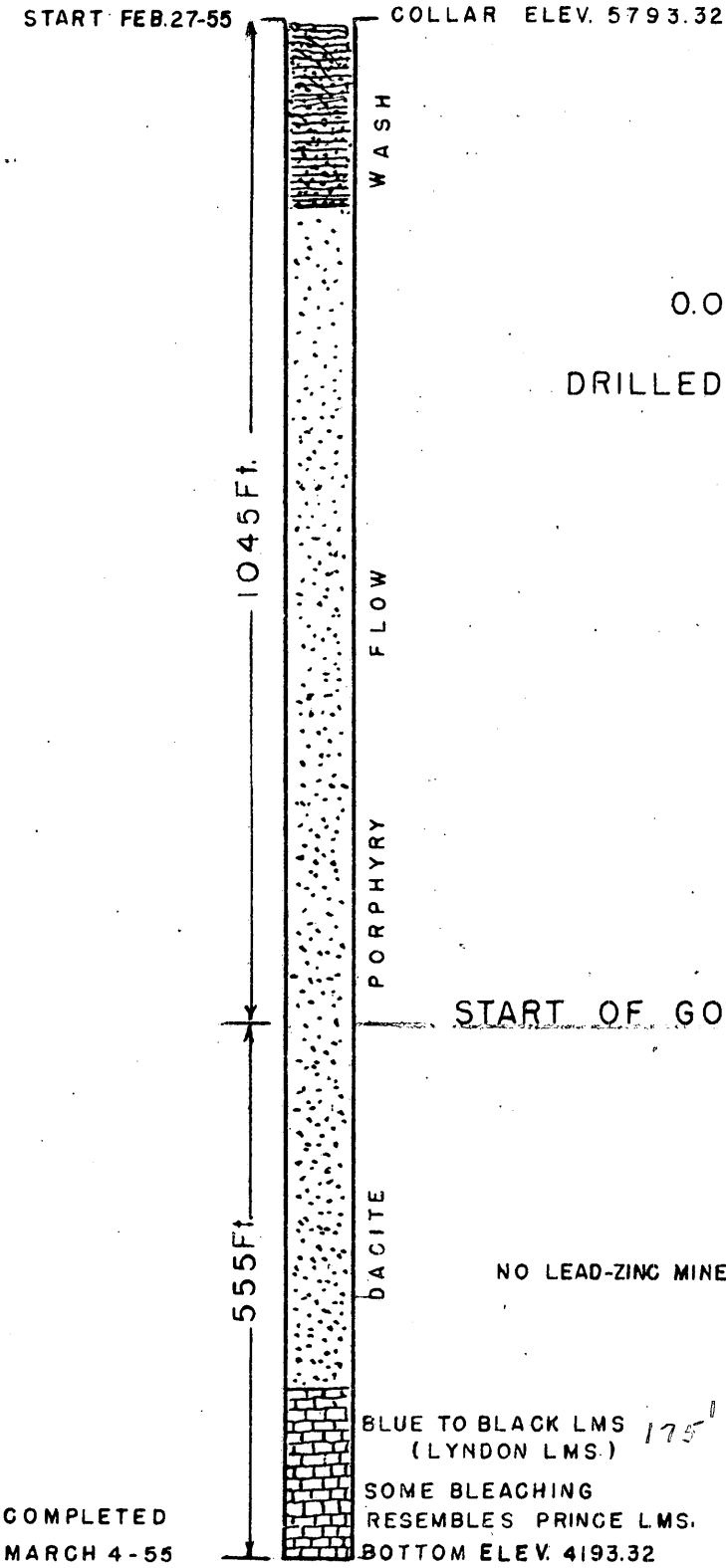
COMBINED METALS REDUCTION COMPANY

LINCOLN COUNTY, NEVADA

DOCKET No. DMEA 3629 LEAD-ZINC

CONTRACT No. IDM-E 767

RDH No. 2



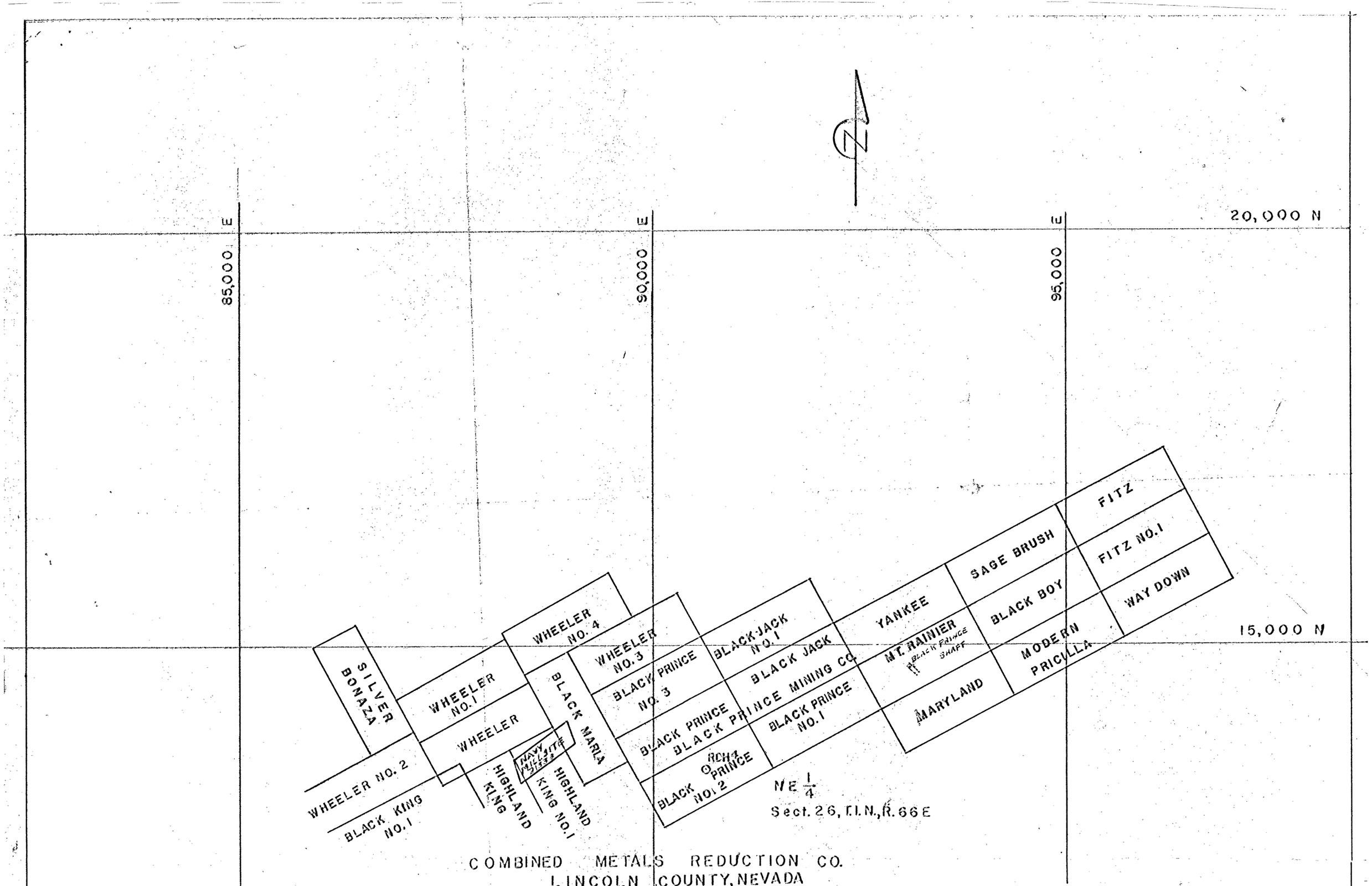
0.00 FT. TO 1045.00 FT.

DRILLED AT APPLICANTS EXPENSE

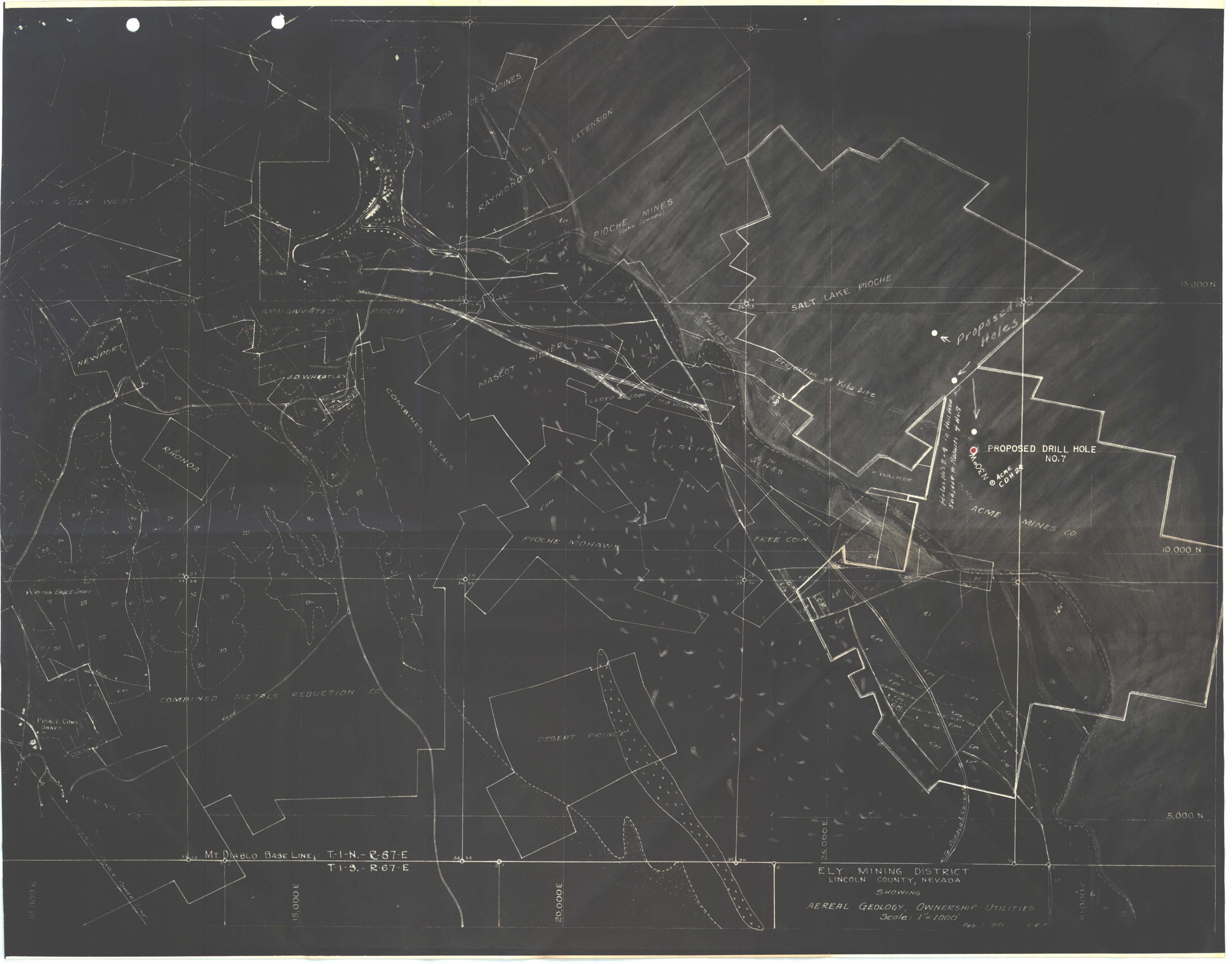
START OF GOVT. EXPLORATION CONTRACT

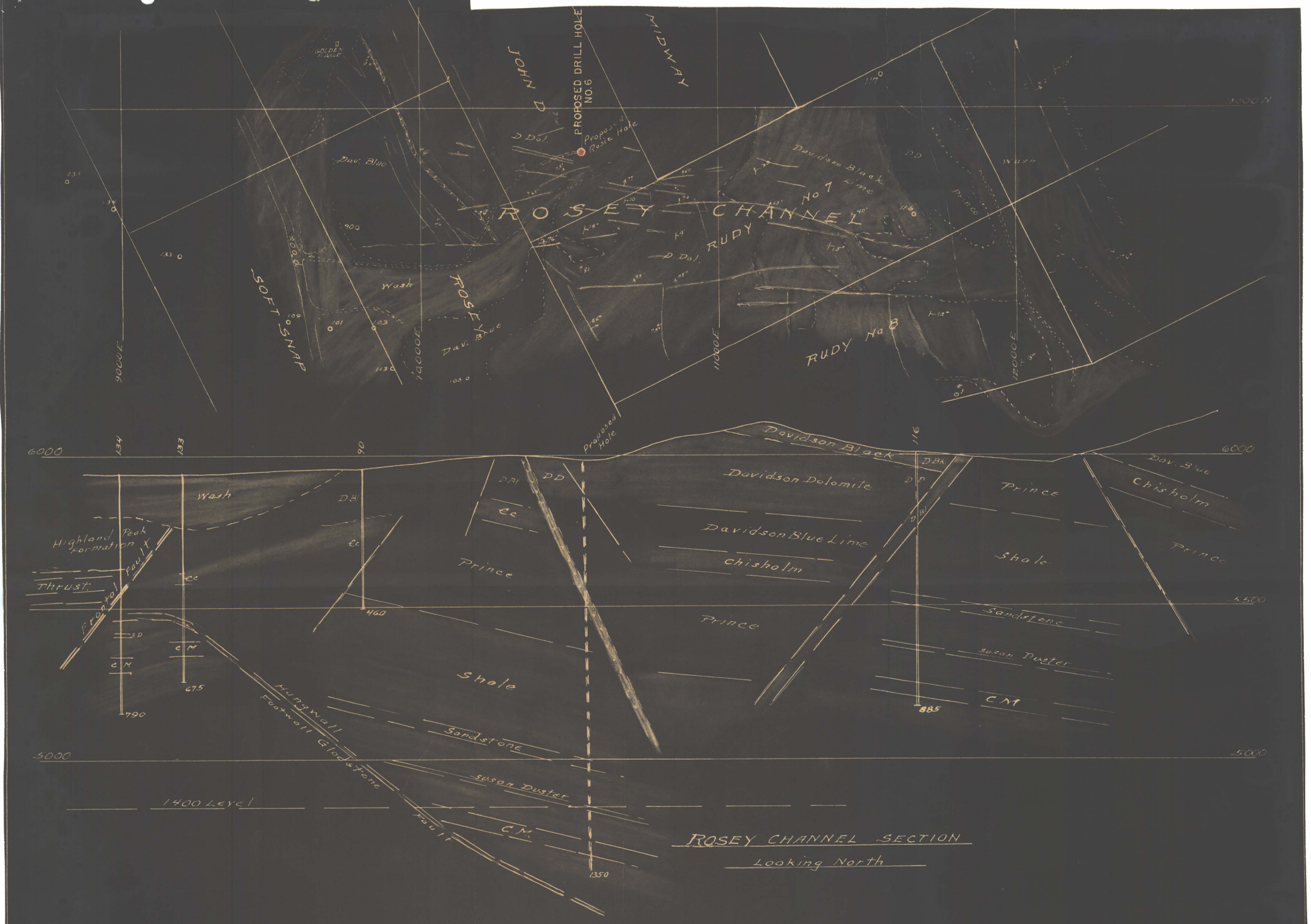
NO LEAD-ZINC MINERALIZATION FOUND IN THIS DRILL HOLE

VERT. SCALE 1" = 200'



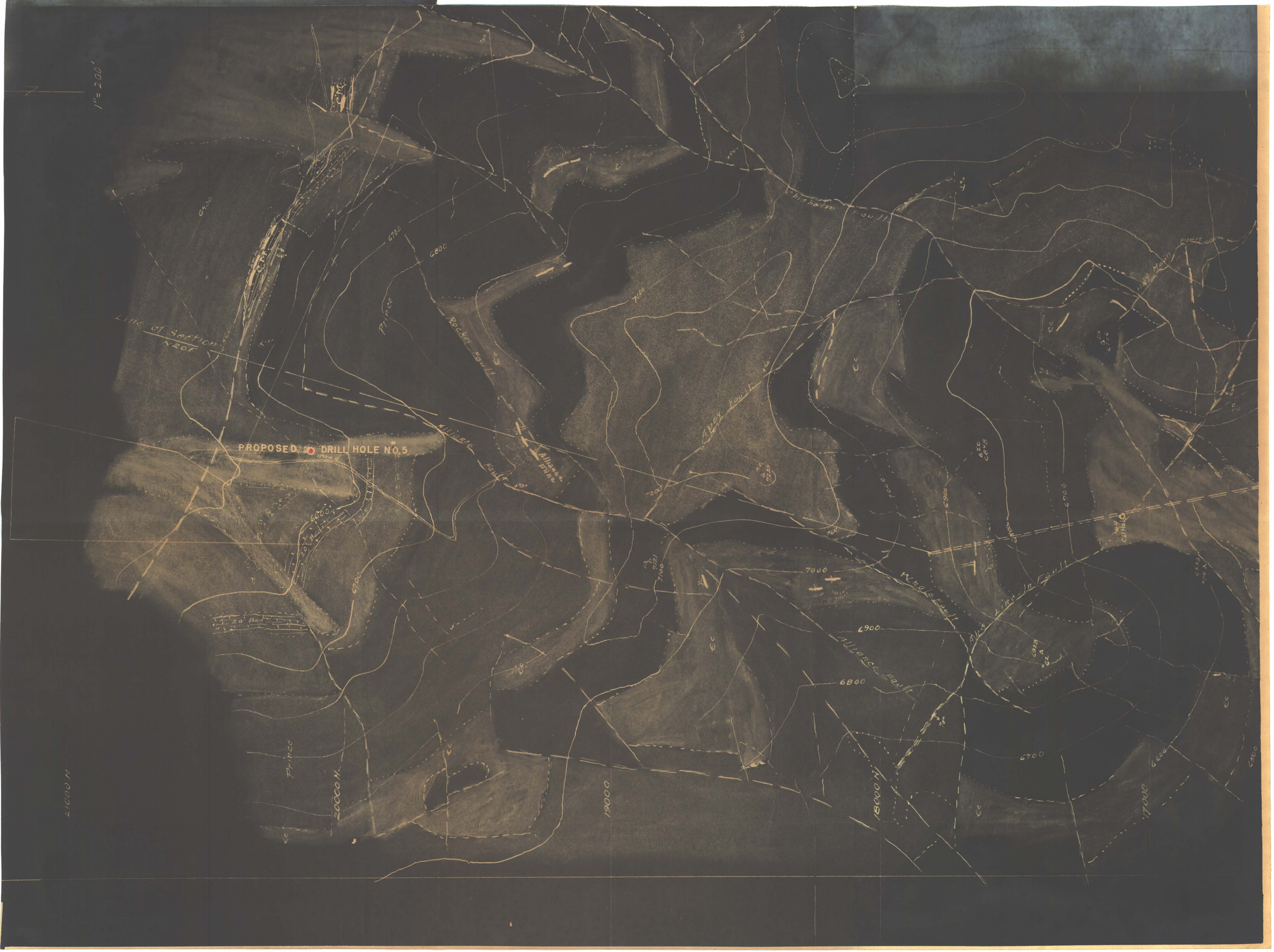
COMBINED METALS REDUCTION CO.
LINCOLN COUNTY, NEVADA
DOCKET NO. DMEA 3629 LEAD-ZINC
CONTRACT NO. IDM-E 767
CLAIM MAP BLACK PRINCE and MANHATTAN
SCALE. 1" = 1,000'


NEVADA
DES MOINES
RAYMOND & ELY EXTENSION
PIOCHE MINES
(John Janney)
SALT LAKE PIOCHE
Proposed Holes
Projection of Yuba Dike
THRUST FAULT
MASCOT SILVER
LLOYD & COOK
PIOCHE MINES
NEWPORT
J.D. WHEATLEY
COMBINED METALS
RHONDA
PIOCHE NOHAWK
FREE COIN
ACME MINES CO.
PROPOSED DRILL HOLE NO.7
N30°W
ACME CDH 2
COMBINED METALS REDUCTION CO.
DESERT PRINCE
MINING CO.
15,000 N
10,000 N
5,000 N
10,000 E
15,000 E
20,000 E
25,000 E
30,000 E
MT. DIABLO BASE LINE: T-1-N.-R-67-E
T-1-S.-R-67-E
ELY MINING DISTRICT
LINCOLN COUNTY, NEVADA
SHOWING
AEREAL GEOLOGY, OWNERSHIP-UTILITIES
Scale: 1" = 1000'
Feb. 1, 1951



ROSEY CHANNEL SECTION

Looking North


1" = 200'
PROPOSED DRILL HOLE NO. 5
Line of Section
N 20 E
Prince
Rocker Fault
Alliance Fault
Alliance Mine
Ivey Fault
Thisbeim Fault
Mt Mary Fault
Wrobe Fault
Black Lake Fault
Alliance Fault
6700
6800
6900
7000
7100
7200
20000 N
19000
18000 N
17000
21000 N