RECEIVED
OCT 1 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Yuba Mike Mines, Incorporated
a Nevada Corporation
Pioche, Nevada

pertaining to Exploration Project Contract No. Idm-E798, Docket No. DMMA-3396, including Amendment No. 1, for the months of August 1955 to December 1955, inclusive, covering a project for the exploration of lead-zinc, on property, known as the Yuba Mike Mine, located in Lincoln County, Nevada.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with Executive Officer in charge of the project, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reason:

All of the costs incurred were under a contract provision for payment by the Government on the basis of fixed unit costs of units of work actually performed.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor.

Total cost as billed by contractor	$8,433.00
Exceptions	None
Total Accepted Cost	$8,433.00

The contract calls for a 50 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Four Thousand Two Hundred Sixteen and 50/100 Dollars:

** $4,216.50 **

is considered valid and proper, provided the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

George Mayer
George Mayer
Auditor

October 1, 1956

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
FEB 29 1956

Month of December, 1955 Docket No. DMEA 5596 Contract No. IDM-E 798
Operator's Name Yuba Dike Mines Inc. Minerals Lead - Zinc
Address Pioche, Nevada
Contract Amount, $ 21,750.00 Government Participation: 50 % Amount, $ 10,875.00

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		1015.00	1015.00			
Bulldozing						
Crosscutting		2664.00	2664.00			
Drifting	1258.00	3476.00	4734.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		18.00	18.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1258.00	7175.00	8433.00			

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

Date 2/3/56 *Payee Yuba Dike Mines, Inc

Per John H. Edwards Title President

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

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

(Instructions on reverse)

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

$ 629.00

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

Date 2 3 1956 Vou. No. SF-DMCA-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-E798 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 2/9/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 2/9/56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
FEB 29 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 5 Docket No. DMEA 3396 Contract No. IDM-E 798
Operator's Name Yuba Dike Mines Inc. Minerals Lead-Zinc
Address Pioche, Nevada

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	1 ft.	1258.00	34.0	4736.00	128	$37.00	300	$37.00
Crosscutting	1 ft.			2664.00	72	$37.00	150	$37.00
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft.			1015.00	145	$ 7.00	400	$ 7.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampling	1 sample			18.00	9	$ 2.00	50	$ 2.00
TOTAL DISTRIBUTED COSTS		1258.00		8433.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1258.00		8433.00				21,750.00

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 2/3/56 Operator Yuba Dike Mines, Inc.
Per [signature] Title President

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

(Instructions on reverse)

REMARKS:

(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

YUBA DIKE MINES INC.
Pioche, Nevada

Subject: Yuba Dike Mines Inc. - Narrative - December 1955

RECEIVED
FEB 29 1956

Date: January 29, 1956

To: J. A. Hedman, President, Yuba Dike Mines Inc.

From: O. E. Schrader

Dear John: Docket No. DMEA - 3396

During the month of December 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 300 Level

Under stage III of said contract drifting to the east and to the west on the footwall contact of the Yuba Dike porphyry were extended as follows:

While drifting east along the footwall of dike and crossing a north south fault which faulted the dike to the south, the drift was turned to the south and advanced 10 ft. Dike was not found during this advance.

Drifting to the west was advanced 24 ft. All advance was in a crushed quartzite. The dike was not found during this advance.

Distribution of costs for December follow:

Stage III

Drifting easterly - 10.0 ft @ $37.00	$ 370.00
Drifting westerly - 24.0 ft @ $37.00	888.00
Total	$ 1258.00
DMEA participation @ 50%	$ 629.00

Very truly yours,

O. E. Schrader
Mine Engineer

A-103

REFERENCES

YUBA DIKE MINES INC.

800 Level No. 1 Mine

Docket No. D.M.E.A.-3396

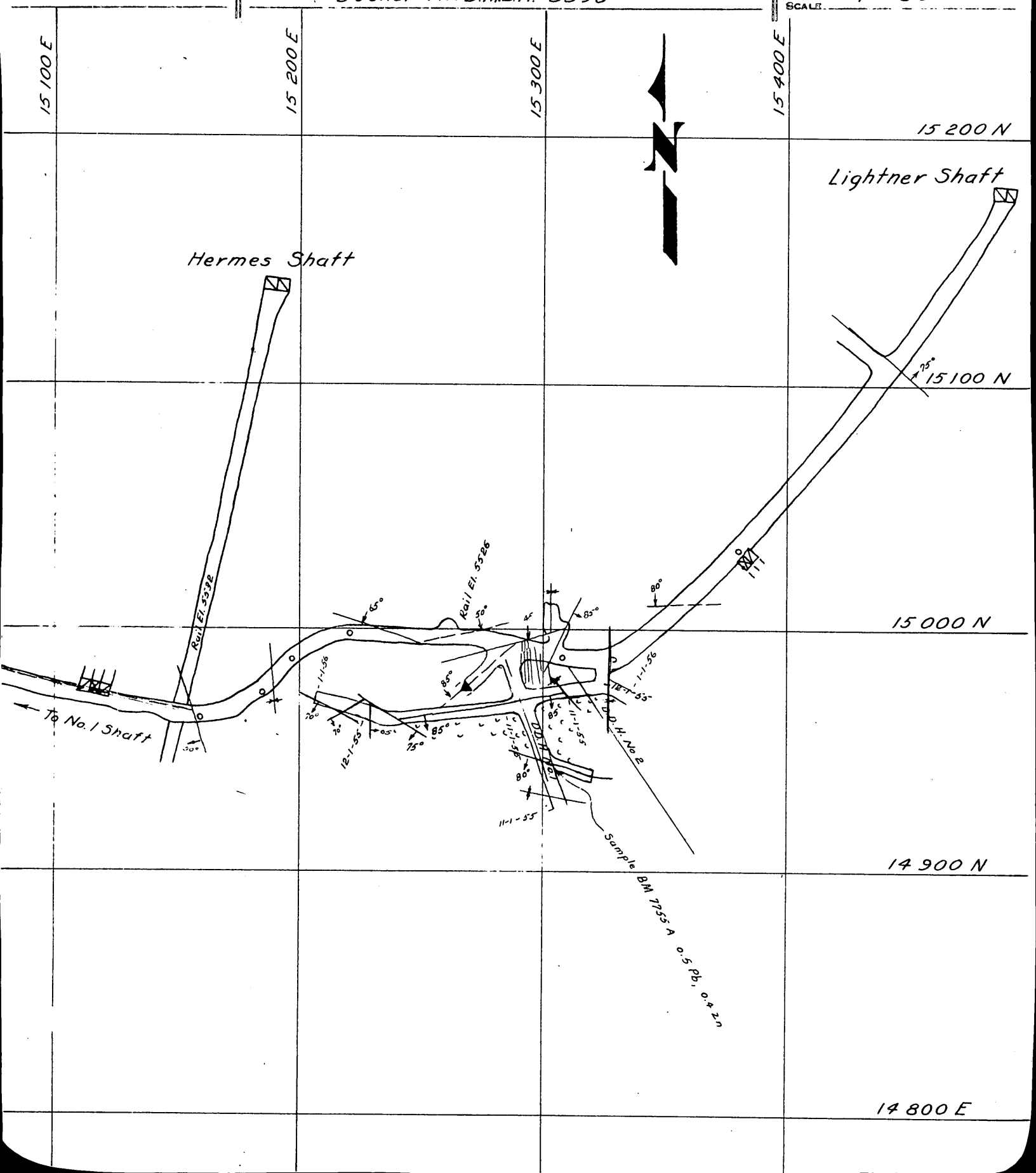
October 16, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'



RECEIVED
FEB 2 0 1956

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

RECEIVED
JAN 17 1956

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, 195 55 Docket No. DMEA 3396 Contract No. IDM-E 798
Operator's Name Yuba Dike Mines Inc. Minerals Lead-Zinc
Address Pioche, Nevada
Contract Amount, $ $ 21,750.00 Government Participation: 50 % Amount, $ 10,875.00

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		1015.00	1015.00			
Bulldozing						
Crosscutting		2664.00	2664.00			
Drifting	2682.50	795.50	3478.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		18.00	18.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2682.50	4492.50	7175.00			

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

Date Dec 21, 1955 *Payee Yuba Dike Mines, Inc.

Per [illegible] Title President

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

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

(Instructions on reverse)

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

$ 1341.25

Signature
(Authorized Certifying Officer)

Date Vou. No. SF-DMEA-25

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E798 in accordance with the terms of the contract.

Signature Glenn C. Gentry Title Mining Engineer Date 12/27/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 12/27/55

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED
JAN 17 1956

Month of November 1955 Docket No. DMEA 3396 Contract No. IDMaE 798
Operator's Name Yuba Dike Mines Inc. Minerals Lead-Zinc
Address Pioche, Nevada

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	1 ft.	2682.50	72.5	3478.00	94.0	37.00	300	37.00
Crosscutting	1 ft.			2664.00	72.0	37.00	150	37.00
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft.			1015.00	145.0	7.00	400	7.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampling	1 sample			18.00	9	2.00	50	2.00
TOTAL DISTRIBUTED COSTS		2682.50		7175.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2682.50		7175.00				

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 Dec 21, 1955 Operator Yuba Dike Mines, Inc

Per [signature] Title President

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

REMARKS:

(Instructions on reverse)

(For Government use only)

[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

YUBA DIKE MINES INC.
Pioche, Nevada

RECEIVED
JAN 17 1956

Subject: Yuba Dike Mines Inc. - Narrative - November 1955

Date: December 18, 1955

To: J. A. Hedman, President, Yuba Dike Mines Inc.

From: O. E. Schrader

Dear John: Docket No. DMEA-3396

During the month of November 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 800 Level

Under stage III of contract drifting to the east and west on the footwall or north contact of the Yuba Dike porphyry were extended for an aggregate distance of 72.5 ft.

Drift to the east was advanced 17.5 ft. along porphyry contact. A small north-west fault was crossed which faulted the contact to the south for approx. 3 ft. Contact was then followed to present face.

Drift to the west was advanced for a distance of 41.0 ft. at which point a strong north-west fault, faulted the porphyry contact. Drift was turned to the north and driven an additional 14.0 ft. Contact was not found in this 14.0 ft. advance. Total drifting in west drift was 55.0 ft.

A small drift was driven to the east along hanging wall or south contact of Yuba Dike porphyry for a distance of 19.5 ft. Contact had a tendency to turn to the north and assume a more east-west strike. No participation is being asked from Defense Minerals Administration contract for this 19.5 ft. of drift.

No commercial minerals have been found in any of the above advances to date. All advance has been in a heavily oxidized leached area.

Distribution of costs for November, follows:

Stage III

Drifting easterly - 17.5 ft. @ $37.00	$ 647.50
Drifting westerly - 55.0 ft. @ $37.00	2035.00
Total	$ 2682.50
DMEA participation @ 50%	$ 1341.25

Very truly yours,

O. E. Schrader

O. E. Schrader
Mine Engineer

A-103

REFERENCED

YUBA DIKE MINES INC.

800 Level No. 1 Mine

Docket No. D.M.E.A.-3396

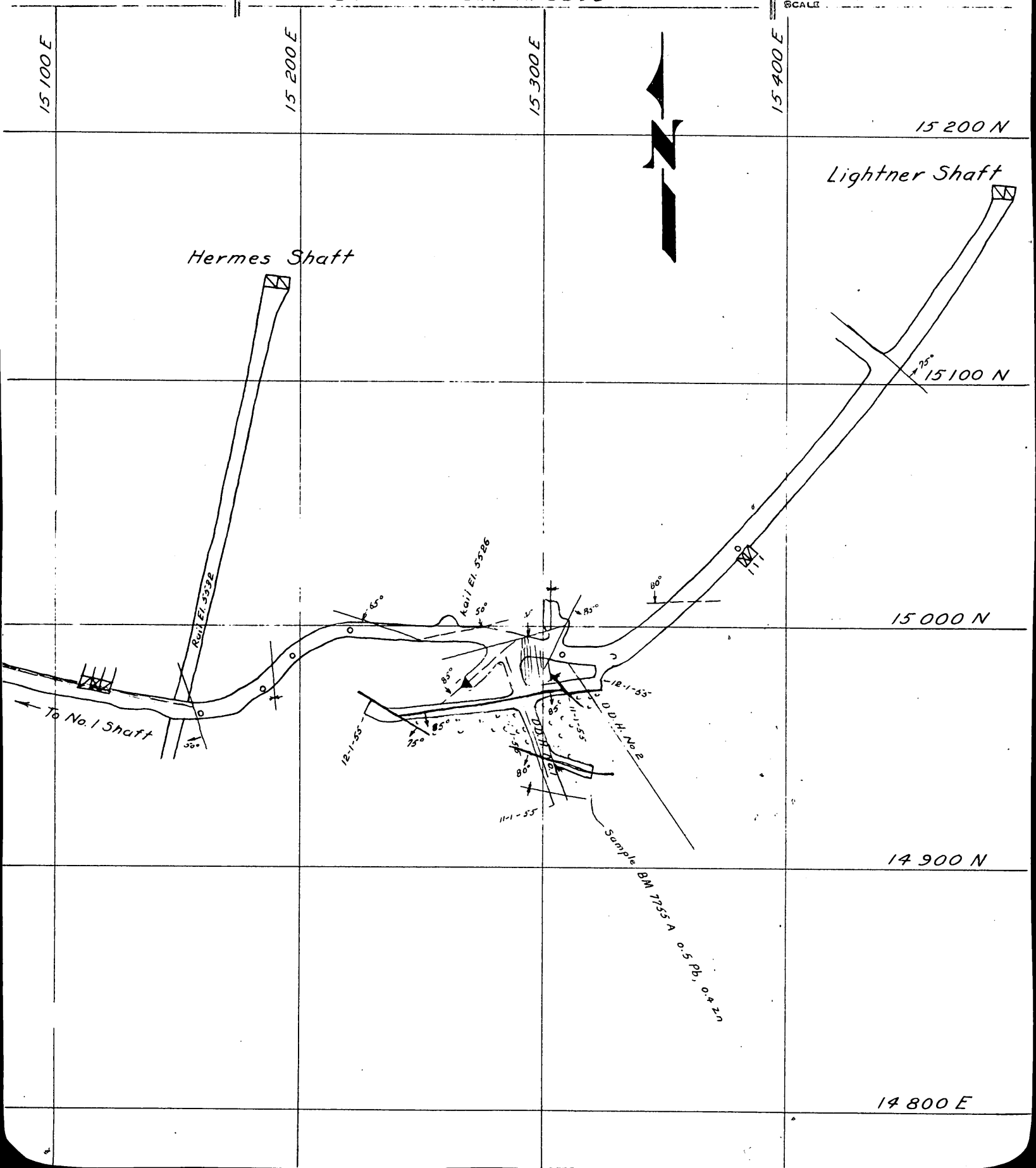
October 16, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'



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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS NOV 2 1 1955

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED NOV 2 8 1955

Month of October, 1955 Docket No. DMEA 3396 Contract No. IDM-R 793
Operator's Name Yuba Dike Mines, Inc. Minerals Lead-Zinc
Address Pioche, Nevada
Contract Amount, $21,750.00 Government Participation: 60 % Amount, $10,875.00

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		1015.00	1015.00			
Bulldozing						
Crosscutting	1998.00	666.00	2664.00			
Drifting	795.50		795.50			
(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	2.00	16.00	18.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2795.50	1697.00	4492.50			

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

Date Nov.10,55 *Payee Yuba Dike Mines, Inc.

Per Alexander Reyd 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:

$1397.95

Signature [illegible] (Authorized Certifying Officer)

Date NOV 22 1955 Vou. No. 5F-DMEA-19

(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-E798 in accordance with the terms of the contract.

Signature John D Warne Title Mining Engineer Date 11/17/55

for Glenn G. Gentry

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 11/17/55

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

NOV 2 1955
RECEIVED
NOV 28 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1955 Docket No. DMEA 3596 Contract No. IDM-E798
Operator's Name Yuba Dike Mines, Inc. Minerals Lead-Zinc
Address Pioche, Nevada

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	1Ft.	795.50	21.5	795.50	21.5	37.00	300	37.00
Crosscutting	1Ft.	1998.00	54.0	2664.00	72.0	37.00	150	37.00
Raising								
Shafts								
Winzes								
Drilling: Core	1Ft.			1015.00	145.0	7.00	400	7.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampling	1 sample	2.00	1	18.00	9	2.00	50	2.00
TOTAL DISTRIBUTED COSTS		2795.50		4492.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2795.50		4492.50				$21750.00

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

Date Nov. 10, 1955 Operator Yuba Dike Mines, Inc.

Per Alexander Lloyd 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)

John A Mann
Mr G.G.

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

YUBA DIKE MINES INC.
Fiesta, Nevada

Subject: Yuba Dike Mines Inc. - Narrative - October 1955

Date: November 11, 1955

To: J. A. Hedman, President, Yuba Dike Mines Inc.

From: O. E. Schrader

Docket No. DMEA-3396

Dear John:

During the month of October 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 800 Level

Under Stage II the cross cut to the southeast, which was started in September, was advanced for a total of 54.0 ft. Cross cut followed direction of Diamond Drill Hole No. 1 as drilled under Stage I of said contract.

Yuba Dike porphyry was cut during this advance and was found to have a slight dip to the south and an average thickness of 28.0 ft. although this thickness tends to increase to the east and narrow to the west as shown on the appended map No. A-105. No commercial mineral was found during this advance. One sample was cut near bottom of drift on hanging wall of dike, east side of cross cut, which assayed 0.5 Pb and 0.4 Zn.

Under Stage III of contract drifts were started easterly and westerly on hanging wall or north side contact of dike.

Drifting to the west totaled 7.0 ft. and drifting to the east totaled 14.5 ft. along contact. No commercial mineralization has been found to date.

It has been proposed to extend each drift to explore further this contact during November under Stage III of said contract.

Distribution of costs for October, follows:

Stage II

Cross cut to southeast - 54.0 ft. @ $37.00	$ 1998.00

Stage III

Drifting easterly - 14.5 ft. @ $37.00	536.50
Drifting westerly - 7.0 ft. @ $37.00	259.00
One sample @ $2.00 allowed under Stages I,II,III	2.00
Total	$ 2795.50
DMEA participation @ 50%	$ 1397.75

Very truly yours,

O. E. Schrader

O. E. Schrader
Mine Engineer

A-103

REFERENCES

YUBA DIKE MINES INC.

800 Level No. 1 Mine

Docket No. D.M.E.A.-3396

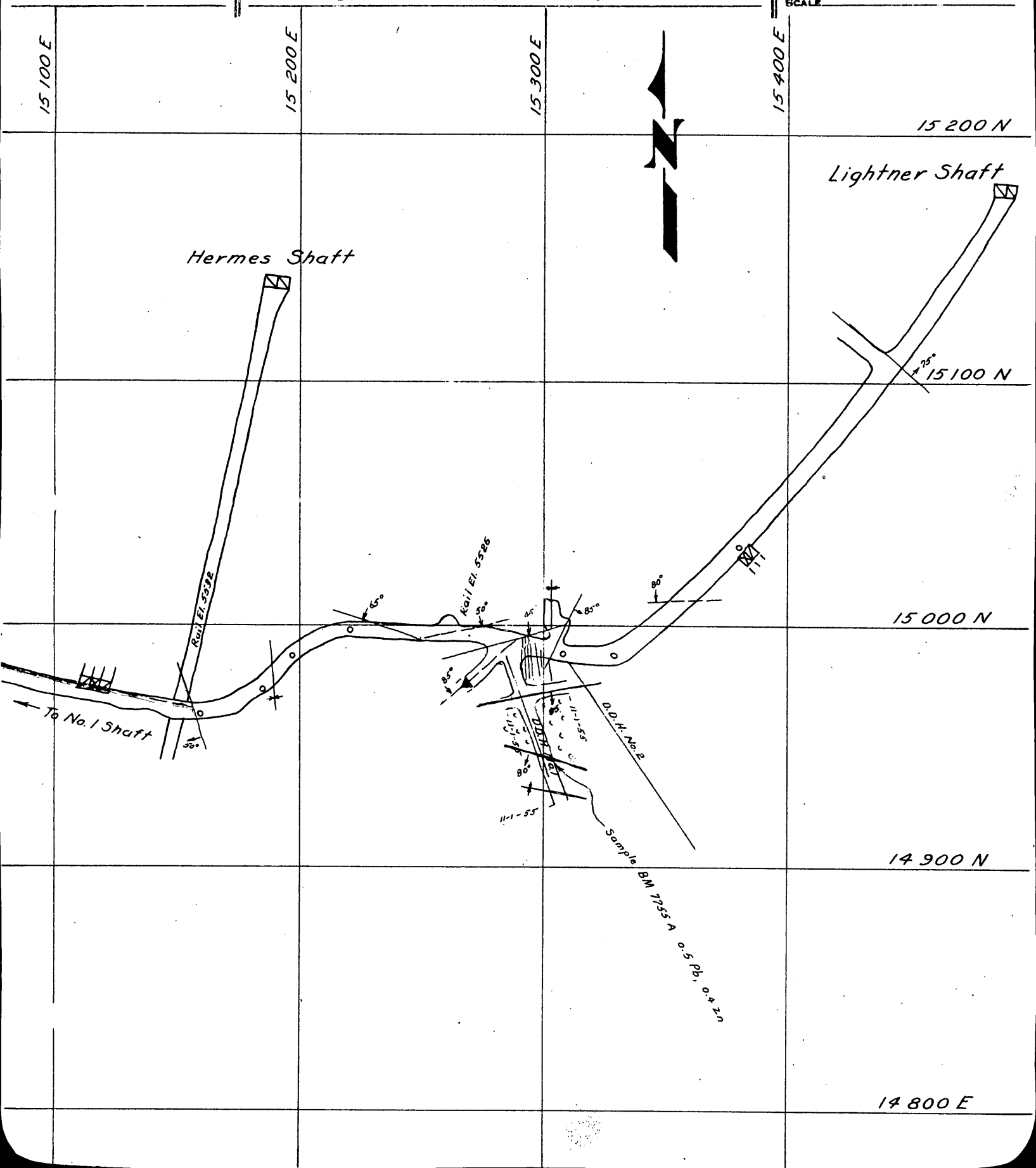
October 16, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'



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

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1955 Docket No. DMEA _____ Contract No. IDM-E 798
Operator's Name Yuba Dike Mines, Inc. Minerals Lead-Zinc
Address Pioche, Nevada
Contract Amount, $ 21,750.00 Government Participation: 50 % Amount, $ 10,875.00

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	0.00	1015.00 ~~1031.00~~	1015.00 ~~1031.00~~			
Bulldozing						
Crosscutting	666.00	0.00	666.00			
Drifting						
Assaying		16.00	16.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	666.00	1031.00	1697.00			

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

Date Oct. 20, 1955 *Payee Yuba Dike Mines, Inc.

Per [signature] Title President

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

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

(Instructions on reverse)

RECEIVED NOV 14 1955

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

$ 333 00

Signature _____ (Authorized Certifying Officer)

Date NOV 4 1955 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-E798 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

ACCOUNTS NOV - 2 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1955 Docket No. DMEA 3396 Contract No. IDM-E 798

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

Address Pioche, Nevada

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	1Ft.	666.00	18	666.00	18	37.00	150	5500.00
Raising								
Shafts								
Winzes				1015.00				
Drilling: Core	1Ft.			~~1031.00~~	145	7.00	400	2800.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying				16.00			50	100.00
TOTAL DISTRIBUTED COSTS		666.00		1697.00				TOTAL COSTS AUTHORIZED BY CONTRACT
								21,750.00
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		666.00		1697.00				

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

Date Oct. 20, 1955 Operator Yuba Dike Mines, Inc.

Per [signature] Title President

REMARKS:

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

(Instructions on reverse)

(For Government use only)

[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 872894

YUBA DIKE MINES INC.
Pioche, Nevada

Subject: Yuba Dike Mines Inc. - Narrative - September 1955

Date: October 14, 1955

To: J. A. Hedman, President, Yuba Dike Mines Inc.

From: O. E. Schrader

Docket No. DMEA-3596

Dear John:

During the month of September 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 800 Level

Under Stage II of said contract a cross cut was started to the southeast to cross cut the Yuba Dike as found in diamond drill holes No.1 and 2.

Under consultation with Mr. Glen Gentry we decided to begin the cross cut at the approximate position of the collar of drill hole No. 1. Cross cut to be driven parallel with said hole.

During September this cross cut was started and advanced for a distance of 18.0 ft. Diamond drill hole No. 1 was followed and position of hole has been approximately 18 inches inside the west side of drift for entire advance.

All advance was in quartzite, as expected from log of diamond drill hole No. 1

Distribution of costs for September 1955 follows:

Stage I

None.

Stage II

Cross cut to southeast - 18.0 ft @ $37.00	$666.00
Total	$666.00
DMEA participation @ 50%	$333.00

Very truly yours,

O. E. Schrader

O. E. Schrader
Mine Engineer

A-105

REFERENCES

YUBA DIKE MINES INC.

800 Level No. 1 Mine

Docket No. D.M.E.A.-3396

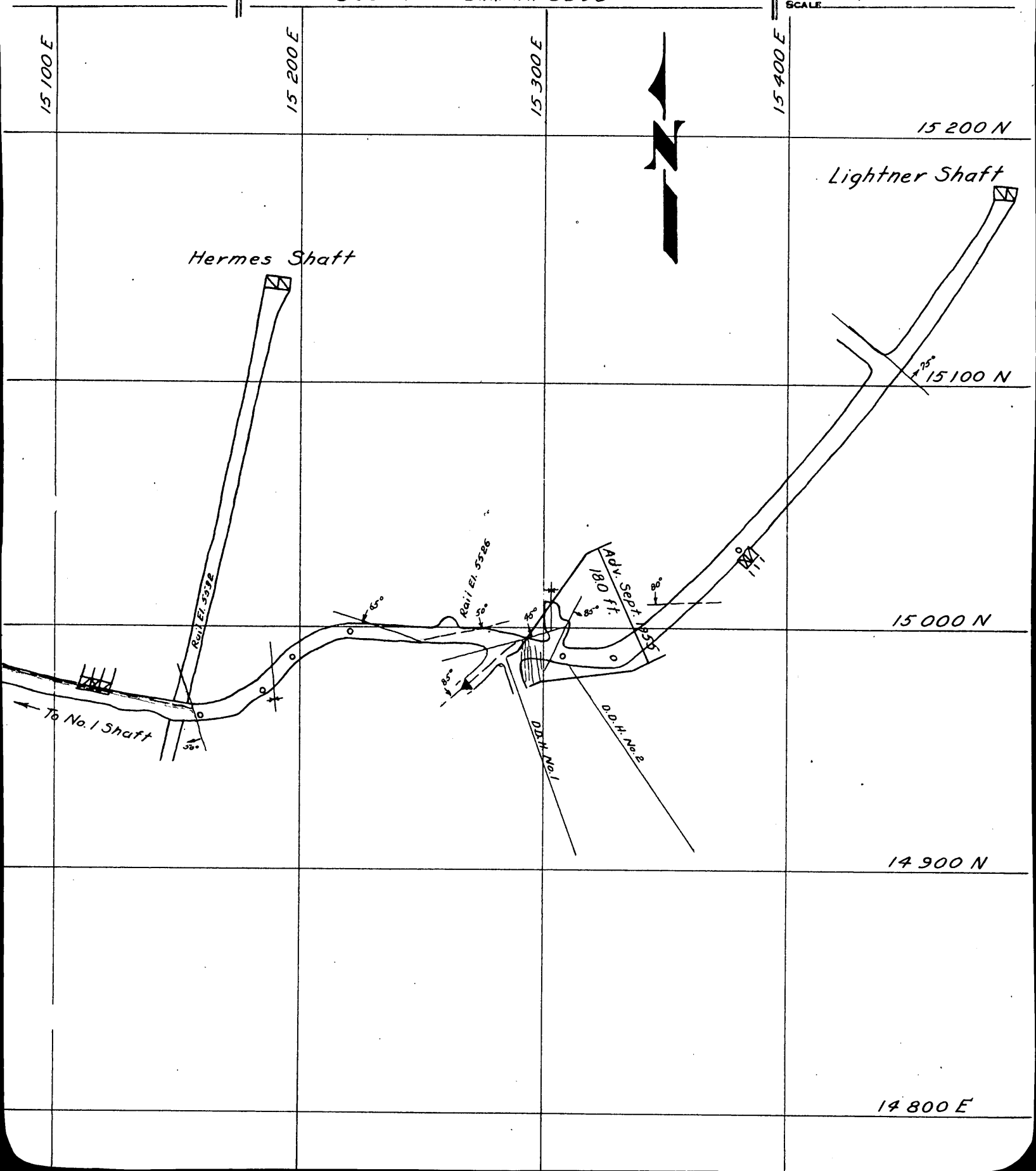
October 16, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'



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 26 1955

Month of AUGUST, 1955 Docket No. DMEA -3396 Contract No. IDM-E 798
Operator's Name YUBA DIKE MINES INCORPORATED Minerals Lead & Zinc
Address PIOCHE, NEVADA
Contract Amount, $ 21,750.00 Government Participation: 50% Amount, $ 10,875.00

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	$ 1015.00	0	$ 1015.00			
Bulldozing						
Crosscutting						
Drifting						
Assaying	16.00	0	16.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 1031.00	0	$ 1031.00			

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

Date 9-14-55 *Payee YUBA DIKE MINES INCORPORATED

Per [signature] Title President

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

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

(Instructions on reverse)

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

$ 515.50

Joyce H. Sjolander
Authorized Certifying Officer

Signature
(Authorized Certifying Officer)

Date Vou. No. SF-DMEA-12

(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. 16m-E798 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 9/19/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Glenn G. Gentry Executive Officer DMEA Field Team Region II

Signature ..... Title ..... Date 9/19/55

S. Richter

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-304A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
SEP 26 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of AUGUST 1955 Docket No. DMEA-3396 Contract No. IDM-E 798
Operator's Name YUBA DIKE MINES INCORPORATED Minerals Lead & Zinc
Address PIOCHE, NEVADA

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	7.00	1015.00	145	1015.00	145	7.00	400	2800.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying		16.00		16.00			50	100.00
TOTAL DISTRIBUTED COSTS		1031.00		1031.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								21,750.00
TOTAL COSTS		1031.00		1031.00				

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 9-14-55 Operator YUBA DIKE MINES INCORPORATED

Per [signature] Title President

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

(Instructions on reverse)

(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

YUBA DIKE MINES INCORPORATED
Fiesta, Nevada

RECEIVED
SEP 26 1955

Subject: Yuba Dike Mines Inc. - Narrative - August 1955

Date: September 1, 1955

To: J. H. Hedman, President Yuba Dike Mines Inc.

From: O. E. Schrader

Docket No. DMA-5896

Dear John:

During the month of August 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 500 Level

Core drilling operations commenced on August 10th with the drilling of diamond drill hole #1. Quartzite was drilled to 19.5 ft. at which depth porphyry was encountered and continued to a depth of 47.0 ft. This porphyry is possible "Yuba Dike". Hole was continued to a depth of 58.0 ft. at which point hole was stopped. Footage from 47.0 ft. to 58.0 ft. was quartzite. Eight sludge samples were assayed at suggestion of Mr. Glen Gentry. Complete log and assays will be found on map No. A-101, appended.

Core drilling was started at diamond drill hole #2 location on August 15th, and discontinued on August 20th, after reaching a depth of 93.0 ft. Quartzite was drilled to a depth of 11.7 ft. Porphyry, possible "Yuba Dike", was drilled from 11.7 to 85.5 ft. thence, quartzite was drilled to end of hole 93.0 ft. Sludge samples were not assayed as no commercial mineral was noted. Complete log of this hole will be found on map No. A-102, appended.

Distribution of costs for August, follows:

Stage I

Diamond Drill Hole No. 1 - 58.0 feet @ $7.00	$ 364.00
Diamond Drill Hole No. 2 - 93.0 feet @ $7.00	651.00
Sludge samples @ $2.00 allowed under Stages I,II,III	16.00
Total	$1,031.00
DMA participation @ 50%	$ 515.50

Very truly yours,

O. E. Schrader

O. E. Schrader
Mine Engineer

A-101

REFERENCES C-101

YUBA DIKE MINES INC.

Pioche, Nevada

Diamond Drill Hole No. 1

800 Level No. 1 Mine

Docket No. D.M.E.A. 3396

August 29, 1955

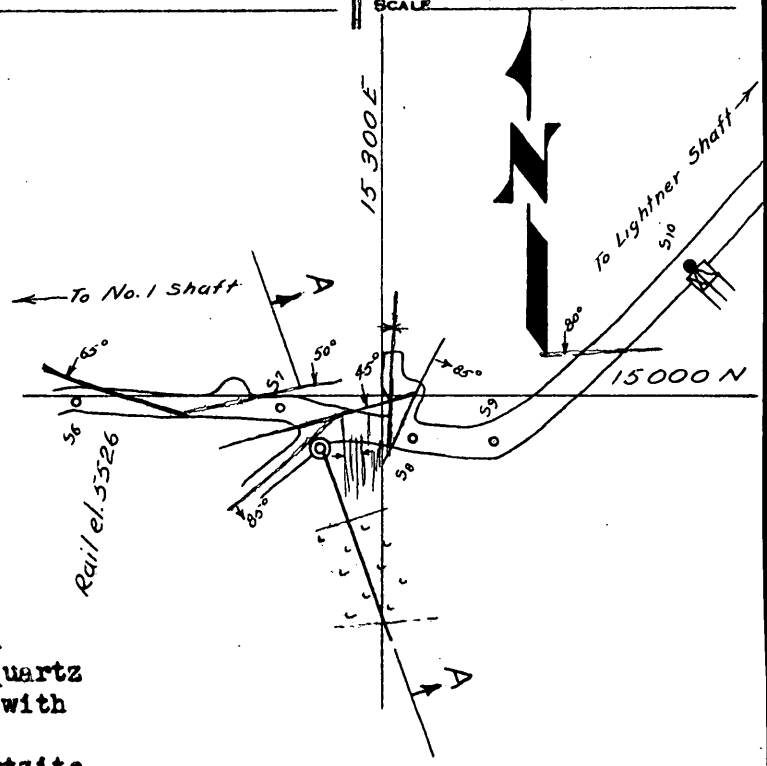
MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'

Coordinates: N - 14,986
E - 15,284
Elevation: 5,530
Direction: S 10° E
Inclination: Plus 5°
Depth: 52.0 ft.
Started: 8-10-55
Finished: 8-15-55
Driller: Howard Knighton

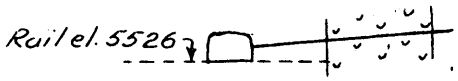


LOG OF HOLE

0.0 - 8.0	Highly fractured fine grained quartzite, some small white quartz stringers. Fractures filled with Fe oxide.
8.0 - 17.0	Fine grained, fractured, quartzite. Fe oxide stained fractures.
17.0 - 19.5	Crushed quartzite and porphyry gouge.
19.5 - 47.0	Porphyry, several Fe oxide filled stringers noted. Possible Yuba Dike.
47.0 - 52.0	Massive grained quartzite, brecciated, Fe stained.
52.0	End of hole.

Assays of Sludge Samples Taken

From	To	Au	Ag	Pb	Zn
10.0	14.7	Tr.	.20	.50	.50
14.7	21.5	Tr.	.15	.40	.50
21.5	26.5	Tr.	Tr.	.50	.50
26.5	32.9	Tr.	Tr.	.50	.50
32.9	38.5	Tr.	Tr.	.50	.50
38.5	42.5	Tr.	Tr.	.40	.60
42.5	46.3	Tr.	.10	.40	.50
46.3	52.0	Tr.	Tr.	.50	.50



Section A-A

A-102

REFERENCES C-101

YUBA DIKE MINES INC.

Pioche, Nevada

Diamond Drill Hole No.2

800 Level No.1 Mine

Docket No. D.M.E.A.-3396

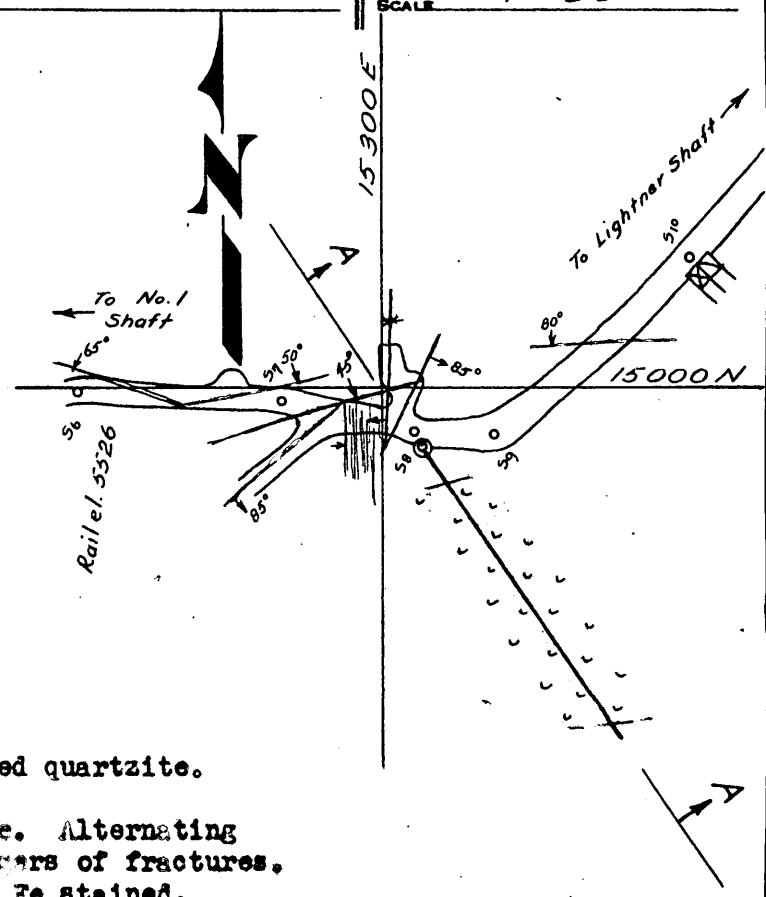
August 29, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

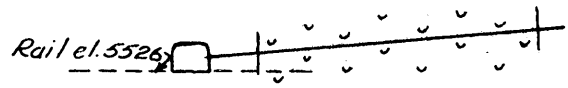
SCALE 1"=50'



Coordinates: N - 14,985
E - 15,310
Elevation: 5,530
Direction: S 35° E
Inclination: Plus 5°
Depth: 93.0 ft.
Started: 8-15-55
Finished: 8-20-55
Driller: Howard Knighton

LOG OF HOLE

0.0 - 11.7	Fine grained highly fractured quartzite. Fe oxide stained fractures.
11.7 - 85.5	Porphyry, possible Yuba Dike. Alternating small Fe oxide filled stringers of fractures.
85.5 - 92.0	Massive grained quartzite. Fe stained.
92.0 - 93.0	Shale. Possible small shale band in the quartzite.
93.0	End of hole.



Section A-A

Assaying was not warrented in this hole as no mineral of any value was noted.

C
O
P
Y

November 6, 1957

Memorandum

To: Jay L. Chambers, Director
Division of Contract Administration & Audit

From: Director, Division of Base Metals

Subject: Concluded Projects

The following dockets are closed and no further action remains. No closing letters are being sent due to excessive time lag but please consider them as having been finalized.

Contract No.	Docket No.	Name
Idm-E21	DMEA-1100	United Park City Mines Company
Idm-E279	DMEA-2044	Harry E. Briggs
Idm-E546	DMEA-2856	Neuberg Bros. & Sloan, Inc.
Idm-E709	DMEA-3198	Chewelah Copper Company, Inc.
Idm-E798	DMEA-3396	Yuba Dike Mines, Inc.
Idm-E821	DMEA-3684	OgleSWingle
Idm-E878	DMEA-3605	Hurst Majors
Idm-E966	DMEA-4111	Parker Mining & Development Company

W. R. Griswold

WRG/er
Copy to: Docket
Admr. R. File
Mr. Dakan, Code 200
Chron.

Government's copy

TERMINATION AGREEMENT

It is agreed this 8th day of June, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Yuba Dike Mines, Incorporated, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-E798 (Docket No. DMEA-3396), dated May 17, 1955, hereinafter called the "Contract," that:

1. Effective January 21, 1956, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute only to the fixed unit costs of work performed prior to said effective date.

3. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account, and shall keep and preserve records as required by the Contract.

4. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this termination agreement.

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

THE UNITED STATES OF AMERICA

By C. C. Mitchendorf
Administrator, Defense Minerals
Exploration Administration

YUBA DIKE MINES, INCORPORATED

By Wm. A. Edmon

Title President

RECEIVED
JUN 28 1956

GOVERNMENT COPY

AMENDMENT NO. 1
EXPLORATION PROJECT CONTRACT IDM-E798
DATED MAY 17, 1955
DOCKET NO. DMEA-3396
between
THE UNITED STATES OF AMERICA
and
YUBA DIKE MINES, INCORPORATED,
a Nevada corporation

RECEIVED
FEB 15 1956

It is agreed this 8th day of February, 1956 that the contract is amended as follows:

(1) Work under this Contract shall be suspended during the period beginning January 21, 1956, and ending not later than April 1, 1956.

(2) The Government shall not contribute to any costs incurred by the Operator during the period of suspension or to any costs of rehabilitation or repair which, in its opinion, would not have occurred if there had been no suspension of the work.

(3) The Operator, at its own cost and expense, without contribution by the Government, during the period of suspension shall preserve and protect the project work.

(4) The time fixed for the completion of the work is extended to September 15, 1956.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

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

YUBA DIKE MINES, INCORPORATED

_____
President

Contract No. Idm-E798

Docket No. 3396

DEPARTMENT OF THE INTERIOR

Terminated contract

DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please make the following entry on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program.

Date of Contract	Region	State	Commodity
May 17, 1955	II	Nevada	Lead-Zinc

Name and Address of Operator: Yuba Dike Mines, Inc. Pioche, Nevada

	Reserve	Obligation
Prior Amount	0	$10,875.00
Increase	0	0
Decrease	0	6,658.50
Revised Amount	0	$ 4,216.50

Remarks:

Allen S. Dahan, Chief
Operations Control and
Statistics Division
(Name)

(Title)

Date Delivered to Bureau of Mines, Washington

10/30/56

98963

Docket No. DMEA # 3396

Commodity Lead - Zinc

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

STRATEGIC AND CRITICAL MINERALS EXPLORATION PROGRAM

TO: Chief, Finance Section, Budget and Finance Branch, Bureau of Mines

Please enter on the records of the Defense Minerals Exploration Administration under the Strategic and Critical Minerals Exploration Program, the following contract, or amendment to contract.

Contract No. Idm-E 798

Date of Contract or Amendment: ~~XXXXXXXXXXXX~~ May 17, 1955

Name and Address of Operator:

Yuba Dike Mines, Inc.,
Pioche, Nevada

Amount of Government participation $ 10,875.00

Percent of Government participation 50 %

Region: 11 State: Nevada

(Name)
J. L. Chambers
Chief, Contract Administration and Audit Division

(Title)

Date Delivered to Bureau of Mines, Washington. 5/17/55

54458

Government's Copy

RECEIVED
JUL - 7 1955

MF-200A
(Revised June 1954)

Docket No. DMEA-3396

Commodity Lead-Zinc

Contract No. Idm-E 798

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT[1]
(Short Form)

It is agreed this 17th day of May, 1955, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Yuba Dike Mines, Incorporated, a Nevada Corporation, whose mailing address is Pioche, Nevada, hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Exhibit "A," Annex I, and .....

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Nevada, County of Lincoln, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee of [5] the mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] assignment, [7] recorded in Book -, page -, official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: None

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows: Consents to Lien of Amalgamated Pioche Mines and Smelter Corporation and Combined Metals Reduction Company

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 7, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 7(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of Lead-Zinc. The work to be performed is described in Exhibit "A." The Operator on or before August 15, 1955 shall commence the work, and on or before June 1, 1956 (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $21,750.00 The Government will contribute 50 percent of the fixed unit costs as work is performed, in a total sum not in excess of $10,875.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work

performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records or accounts.

ARTICLE 7. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 6) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 8. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 8 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 9. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 10. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 11. *Changes and added provisions.*—

Executed in sextuplicate the day and year first above written.

YUBA DIKE MINES, INCORPORATED
(Operator)

By John A. Hedman, President.
Yuba Dike Mines, Inc.

THE UNITED STATES OF AMERICA

By C. O. Mittenbergy
Administrator, Defense
Minerals Exploration
Administration

I, Alexander Lloyd, certify that I am the Treasurer of secretary of the corporation named as Operator herein; that John A. Hedman, who signed this contract on behalf of the Operator, was then President of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Alexander Lloyd

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70618-1

EXPLORATION PROJECT CONTRACT
YUBA DIKE MINES, INCORPORATED
DOCKET NO. DMEA-3396

RECEIVED
JUL - 7 1955

ANNEX I

The land referred to in Article 2 of the Contract consists of the following mining claims located in the Ely Mining District, Lincoln County, Nevada, as follows:

Patented Claims

Pioche or Meadow Valley	U. S. Lot 40
Queen	U. S. Lot 53
King	U. S. Lot 53
Silver	U. S. Lot 38
Susan Duster	U. S. Lot 2714
Williams and Goodspeed	U. S. Survey 3343
Zero	U. S. Lot 49
Alberta No. 2	U. S. Lot 271[illegible]
Alberta	U. S. Lot 271[illegible]
Raymond & Ely or Panaca	U. S. Lot 39

Unpatented Claims
Records of Lincoln County

Claim	Book	Page
Wedge	Y	226
Monarch	L	446, Amended
	N	264, 265
South	H	264, Amended
	N	259-262
Eagle	P	10-12
Nappias	Z	29

These claims are shown on the map entitled "Map Showing Property of Nevada Utah & Ohio Kentucky Mining Companies, Ely Mining District, Pioche, Nevada."

EXCLUSION

Excluded from the land referred to in Article 2 of the Contract are portions of the Alberta, Alberta No. 2,

Raymond and Ely (Panaca), Williams and Goodspeed, Zero and Susan Duster claims as shown on the map entitled "Yuba Dike Mines, Inc. . . Sketch Map Showing the location of Leased ground in Plan[illegible] Section . . .," attached hereto and made a part hereof.

RECEIVED
JUL - 8 1955

EXPLORATION PROJECT CONTRACT
YUBA DIKE MINES, INCORPORATED
DOCKET NO. DMEA-3396

EXHIBIT "A"

Description of the Work

The work is divided into three stages. The Operator shall perform Stage I and so much of the work set forth in Stages II and III as is approved in advance by the Government.

STAGE I

From the 800 level of the No. 1 Shaft, drill two diamond drill holes in a south to a southeasterly direction for the purpose of intersecting the Yuba dike. The approximate location of the drill holes is shown on the map entitled "Plan and Geologic Map of Part of the 800 Level, Yuba Dike Mines, Inc.," attached hereto and made a part hereof. The size of the holes shall be AX minimum. Each hole shall be approximately 200 feet in length and the aggregate drilling shall not exceed 400 feet.

STAGE II

From the drift, at the location shown on the map described under Stage I, crosscut south through the Yuba dike. The aggregate crosscutting shall not exceed 150 feet. The size of the crosscut shall be not less than 5 feet by 7 feet in cross section in the clear of timber.

STAGE III

From the crosscut, drift easterly and westerly on the Yuba dike. The aggregate drifting shall not exceed 300 feet. The size of the drifts shall not be less than 5 feet by 7 feet in cross section in the clear of timber. The location and extent of the drifts shall have prior approval of the Government.

On the best indications of mineralization, raise 25 feet above each of the above drifts. The aggregate raising shall not exceed 50 feet. The size of the raises shall

be not less than 5 feet by 5 feet in cross section in the clear of timber.

All work shall be timbered as necessary.

FIXED UNIT COSTS

(The fixed unit costs include all costs whatsoever necessary for the performance of the project work)

STAGE I

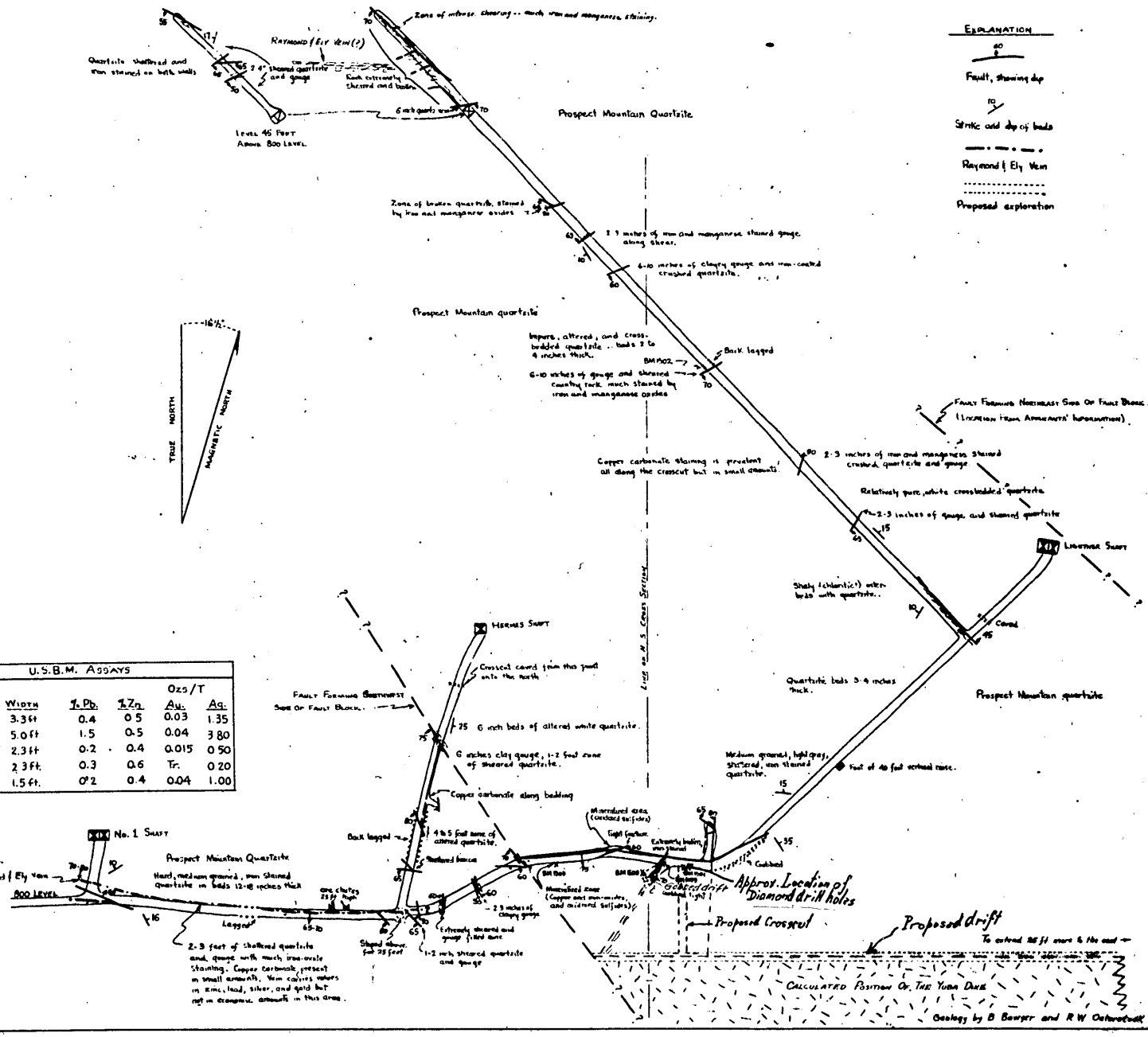
400 feet of diamond drilling @ $7.00/ft.	$ 2,800.00	

STAGE II

150 feet of crosscutting @ $37.00/ft.	$ 5,550.00	

STAGE III

300 feet of drifting @ $37.00/ft.	$11,100.00	
50 feet of raising @ $37.00/ft.	1,850.00	$12,950.00
50 feet of timbered drifts and crosscuts @ $7.00/ft. under Stages II and III.		$ 350.00
50 assays for lead and zinc @ $2.00 sample under Stages I, II, and III.		$ 100.00
Estimated Total Cost of the Project		$21,750.00
Government Participation @ 50%		$10,875.00



U.S.B.M. ASSAYS

No.	Width	% Pb.	% Zn	Ozs/T Au.	Ag.
1499	3.3 ft	0.4	0.5	0.03	1.35
1500	5.0 ft	1.5	0.5	0.04	3.80
1501	2.3 ft	0.2	0.4	0.015	0.50
1502	2.3 ft.	0.3	0.6	Tr.	0.20
1503	1.5 ft.	0.2	0.4	0.04	1.00

FIGURE 2

PLAN AND GEOLOGIC MAP OF PART OF THE 800 LEVEL, YUBA DIKE MINES, INC.

LINCOLN COUNTY, NEVADA

0 20 40 FEET

Docket No. DMEA-3396

MF-203
(Revised July 1, 1954)

RECEIVED
JUL - 7 1955

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Nevada, County of Lincoln, described as follows:1/

Panaca (U. S. Lot 39), Alberta No. 2 (U. S. Survey 2714), Susan Duster (U. S. Survey 2714), Wedge, Meadow Valley (U. S. Lot 40), Nappias, Queen (U. S. Lot 53), King (U. S. Lot 53), Silver (U. S. Lot 38), lode mining claims

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Yuba Dike Mines Incorporated

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions [illegible] the contract or any amendment thereof hereof are substituted for "ten years hence."

AMALGAMATED PIOCHE MINES AND SMELTERS CORPORATION.

Dated this 5th day of May, 1955.

Wm F Roberts [Seal]
President.

[Seal]

P M Allen [Seal]
Secretary.

RECEIVED
JUL - 7 1955

MF-203
(Revised July 1, 1954)

OWNER'S CONSENT TO LIEN

WHEREAS, the undersigned, as owner, co-owner, lessor, or seller has an interest in certain property in the State of Nevada, County of Lincoln, described as follows:1/

Panaca (U. S. Lot 39), Alberta No. 2 (U. S. Survey 2714), Susan Duster (U. S. Survey 2714)lode mining claims

which is the subject of a proposed exploration project contract, hereinafter called the "contract", between the United States of America, hereinafter called the "Government", and

2/ Yuba Dike Mines Incorporated

hereinafter called the "Operator"; and

WHEREAS, under the provisions of said contract the Government is entitled to a percentage royalty on production and to other rights and equities which do or may conflict with or be adverse to the rights of the undersigned:

NOW THEREFORE, the undersigned, in consideration of said contract and as an inducement to the Government to enter into same, undertakes and agrees as follows:

1. The Government's equity in and right to dismantle, sever, take possession of, and remove and dispose of facilities, buildings, fixtures, equipment, or other items as provided in the contract or any amendment thereof shall prevail over and be prior and superior to any conflicting or adverse rights of the undersigned, and the Government is authorized to enter upon the land for such purposes.

2. To secure the payment to the Government of the percentage royalty on production3/ provided for under the terms of said exploration project contract or any amendment thereof there is hereby granted to the Government a lien upon the land above referred to and upon any production of minerals therefrom until said royalty is fully paid or ten years have elapsed from the date of the contract, whichever occurs first.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Insert the name of the Operator as it will appear in the exploration project contract.

3/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

(OVER)

3. The undersigned shall commit no act nor assert any claim that may contravene or conflict with the lien, claim, or rights of the Government under the provisions of said contract. This agreement shall be binding upon the heirs, executors, administrators, successors, and assigns of the undersigned.

4. Changes and added provisions In paragraph 3 the words "the parties hereto in the contract or any amendment thereof hereto" are substituted for "ten years hence."

Dated this 7 day of June, 1955.

Combined Metals Reduction Co [Seal]

by W. H. Kelsey, Vice President [Seal]

[Seal]

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

RECEIVED
NOV 26 1956

1605 Evans Avenue
Reno, Nevada

November 23, 1956

Memorandum

~~Abt~~
Klug.
Betty

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3396 (Lead-Zinc)
Yuba Dike Mining Claims
Lincoln County, Nevada
Contract No. Idm-E 798
(Your letter October 26, 1956)

Enclosed are four copies of our final report on subject contract by G. G. Gentry, Bureau of Mines, and R. M. Smith, Geological Survey.

I agree with the recommendation in the report that a certificate of discovery should not be issued.

S. Ricker

Encls.

Reviewed by
DMEA OPERATING COMMITTEE
11/30/56
(date).

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

FINAL REPORT

DMEA-3396, Mm-E798 (Lead-Zinc)
Yuba Dike Mines, Inc.
Yuba Dike mine, Lincoln County, Nevada

Reviewed by
DMEA DRILLING COMMITTEE
11/30/56
(date)

by

G. G. Gentry
U. S. Bureau of Mines

R. M. Smith
U. S. Geological Survey

November 19, 1956

CONTENTS

	Page
Introduction	1
Summary	1
Conclusions and Recommendations	2
Location, Accessibility, and Local Facilities	2
Property	3
The DMEA Project	3
Geology	5
Ore Deposits	6
Sampling	7

ILLUSTRATIONS

Figure 1 . . . . . Location map

2 . . . . . Sample map, DMEA workings

3 . . . . . Geologic map, DMEA workings

4 . . . . . Geologic map of part of 800 level

RECEIVED
NOV 26 1956
D.M.E.A.

INTRODUCTION

The Yuba Dike mine, Lincoln County, Nevada, was explored by the Yuba Dike Mines, Inc., Pioche, Nevada, in cooperation with the Defense Minerals Exploration Administration, docket DMEA-3396, contract Idm-E798 dated May 17, 1955.

Work was begun on August 10, 1955 and was discontinued on December 12, 1955. Accompanied by Mr. John A. Hedman, president and operator, an examination of the property to evaluate the project was made on May 24, 1956.

The operator requested termination of the project because only very minor amounts of lead and zinc minerals had been found and the success of continued exploration is doubtful. A termination agreement was signed by the Government and by the operator on June 8, 1956.

SUMMARY

The purpose of the project was to explore for ores of lead and zinc on the 800 level of the mine between two areas from which ore was produced during the early days of the mine operation.

The project was justified by the production of ore valued at about $500,000.00 and by the geologic similarity between the productive area and the area to be explored. Ore was inferred in and along both sides of the Yuba granite porphyry dike.

The total work performed consisted of 145 feet of diamond drilling to locate the dike, 72.5 feet of crosscutting to the dike, and 148 feet of drifting along both sides. Only small amounts of lead and zinc minerals were found, and no ore was produced.

CONCLUSIONS AND RECOMMENDATIONS

Although the project was successful in finding the dike, the areas disclosing lead and zinc minerals were too small and too low grade to be commercial and do not warrant further developing. Production from the DMEA workings is not probable and we recommend that no certificate of discovery be issued. The favorable zone was adequately explored and the work thus far has not revealed indications of other exploratory possibilities. Further Government participation in future exploration is not recommended unless new geologic evidence is found from which ore bodies may be inferred.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The No. 1 shaft, which is the entrance to the Yuba Dike mine, is one mile southeast of the town of Pioche in the Ely Valley mining district, Lincoln County, Nevada. The mine shaft is reached from the southwest end of the main street of Pioche via an unimproved road, a distance of one mile. Occasional heavy snow storms may render this unimproved section of road temporarily

impassable but nearly year-round operations are feasible.

Sufficient mine labor can usually be obtained in Pioche or Ely, Nevada and the present wage scale is $2.50 per hour. Adequate water and electric power are available at the mine shaft.

PROPERTY

The DMEA exploration was conducted on the Panaca patented mining claim (U. S. Lot 39), and in addition the following lode mining claims were included in the contract:

Alberta No. 2	(U.S.Survey 2714)	Nappias	(U.S.Lot 53)
Susan Duster	(U.S.Survey 2714)	Queen	(U.S.Lot 53)
Wedge	(U.S.Lot 40)	King	(U.S.Lot 53)
Meadow Valley	(U.S.Lot 40)	Silver	(U.S.Lot 38)

THE DMEA PROJECT

Exploratory work approved in the contract was divided into three stages:

Stage I	
Diamond drilling, 400 ft. @ $7.00/ft.	$2,800.00
Stage II	
Crosscutting, 150 ft. @ $37.00/ft.	5,550.00
Stage III	
Drifting, 300 ft. @ $37.00/ft.	11,100.00
Raising, 50 ft. @ $37.00/ft.	1,850.00
Stages II and III	
Timbering drifts and crosscuts, 50 ft. @ $7.00/ft.	350.00
Stages I, II, and III	
50 assays for lead and zinc @ $2.00/ea.	100.00
Total allowable cost	$21,750.00

Government participation at 50 percent $10,875.00

During the period of exploration Amendment No. 1, dated February 8, 1956 was approved suspending work on the project beginning January 21, 1956 and ending not later than April 1, 1956. The time fixed for completion of the work was extended to September 15, 1956.

Two holes were drilled south from the 800 level drift to find the position of the dike, which proved to be 19 feet south of the drift. Core and sludge from the holes revealed much pyrite, sparse lead and zinc sulfides, and much iron oxide along fractures.

A crosscut was then driven along drill hole No. 1 to and through the dike, and drifts were driven along both walls, 128 feet along the north wall, with DMEA funds, and 20 feet along the south wall at the operator's expense.

The work disclosed two faults of 20 feet or more displacement which cut the dike into segments. One of these segments was explored by the drifts and by drill hole No. 1, another segment was cut in drill hole 2. In none of the DMEA work was there a minable concentration of ore minerals.

Because of the lack of success with the work the project was recessed for reappraisal and finally terminated because it was concluded by both the operator and the Government that additional work has little likelihood of discovering ore.

During the period of exploration, the operator actually expended:

Diamond drilling, 145 ft. @ $7.00/ft.	$1,015.00
Crosscutting, 72 ft. @ $37.00/ft.	2,664.00
Drifting, 128 ft. @ $37.00/ft.	4,736.00
Sampling and Assaying, 9 samples @ $2.00/ea.	18.00
Total	$8,433.00

Government participation at 50 percent	$4,216.50
Unexpended funds	$13,317.00
Government's share unexpended	$6,658.50
Value of production	None
Royalty due the Government	None

The exploration contract was prepared and conducted on a unit and footage basis and no machinery or equipment was purchased or rented for the project.

GEOLOGY

The 800 level in the area explored is near the top of the Prospect Mountain quartzite of Cambrian age which is cut by a granite porphyry dike.

The quartzite is in nearly flat beds each a few inches to a few feet thick which may total as much as 2,000 feet. It is overlain by Pioche shale, the contact exposed at the 600 level of the mine.

The granite porphyry dike averages about 40 feet in thickness, strikes east and dips steeply south. It is highly altered, in places consisting principally of sericite and quartz.

Three sets of steep faults predominate; a north-striking set, a northeast-striking set, and an east-striking set. The north-striking faults offset the dike, are post mineral and have considerable displacements. The other two sets have small displacements.

ORE DEPOSITS

The ore bodies are veins in the east and northeast-striking faults in and along both sides of the dike, or in the quartzite near the dike. They occur in ore shoots which are part of the Yuba Dike ore channel which has been mined intermittently for about 10,000 feet along the strike and 1,400 feet down the dip.

The ore consists of galena and black sphalerite containing small amounts of copper, silver, and gold in a gangue of pyrite and manganesiderite. In the oxidized zone - generally above the 300-foot level - the ore minerals are cerusite, plumbojarosite, and small amounts of copper carbonate, silver chloride, and gold, in a gangue of iron oxide and manganese oxide. Elsewhere in the district manganese oxide is in sufficient quantity to be an ore mineral. The ore minerals cement breccia fragments of quartzite or dike rock.

The largest ore bodies in the mine are at the intersections of the dike or east-striking veins with northeast shear zones. Other ore bodies are along faults in the dike and in the quartzite near the dike.

The DMEA work tested the dike in an area on the 800 level which had not been explored by earlier operators. Other unexplored areas (e.g. the intersection 1,350 feet below the 1200-level of the dike with the Meadow Valley vein) are too remote and the chances of success too small to warrant additional work without more supporting geological evidence.

There are no reserves of any class in the area explored by DMEA.

SAMPLING

During the exploration samples were taken from all locations where some indications of lead-zinc mineralization were observed (refer to assay map).

Sample No.	Width, feet	Oz./T. Au	Oz./T. Ag	% Pb	% Zn	% Cu
BM-1754	1.5			<0.1	0.2	
BM-1755	1.0			<0.1	0.2	
*1775-A	1.0			0.5	0.4	
BM-1842	1.7	0.005	0.30	0.2	0.3	0.3
BM-1843	grab	0.01	0.50	0.2	0.3	0.3
BM-1844	0.7	0.01	0.30	0.2	0.2	0.4
BM-1845	4.6	0.01	0.30	0.2	0.2	0.3
BM-1846	chip-23.0	Trace	Trace	0.2	0.2	0.3
BM-1847	" -9.0	0.01	0.40	0.2	0.2	0.6
BM-1926	1.0	0.01	0.5	0.3	0.6	

*Operator's sample.

Sludge samples analyzed by the operator - Diamond Drill Hole No. 1:

Increment-feet	Oz./T. Au	Oz./T. Ag	% Pb	% Zn
10.0 - 14.7	Trace	0.2	0.5	0.5
14.7 - 21.5	Trace	0.5	0.4	0.45
21.5 - 26.5	Trace	Trace	0.5	0.5
26.5 - 32.9	Trace	Trace	0.5	0.5
32.9 - 38.5	Trace	Trace	0.5	0.5
38.5 - 42.5	Trace	Trace	0.4	0.6
42.5 - 46.3	Trace	1.0	0.4	0.5
46.3 - 52.0	Trace	Trace	0.5	0.5 - bottom of hole.

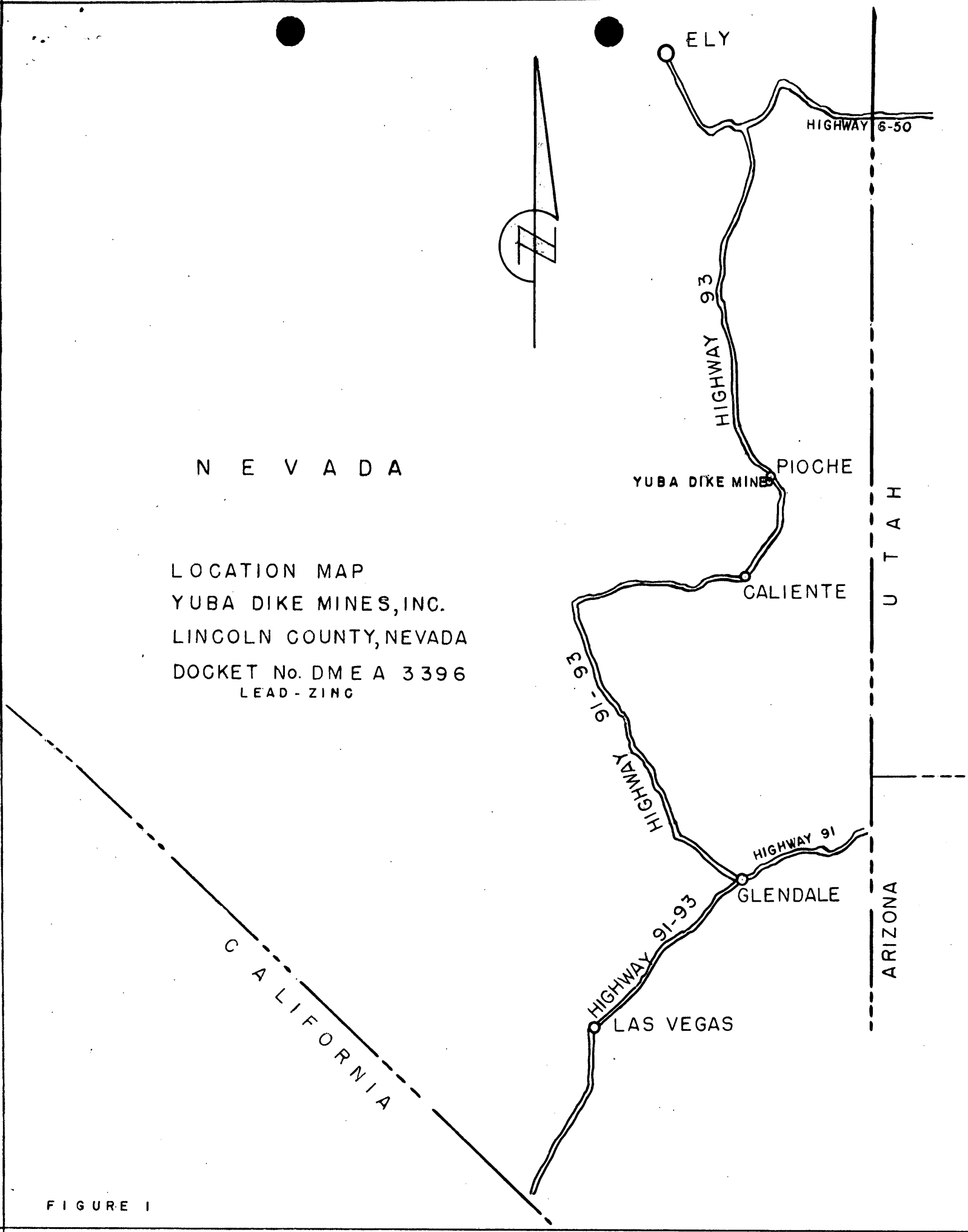
Sludge samples analyzed by the U. S. Bureau of Mines - Diamond Drill Hole No. 1:

BM Sample No.	Increment-feet	Oz./T. Au	Oz./T. Ag	% Pb	% Zn
1670	10.0 - 14.7	Trace	0.4	0.2	<0.1
1671	14.7 - 21.5	Trace	0.6	0.4	<0.1
1672	21.5 - 26.5	Trace	Trace	<0.1	<0.1
1673	26.5 - 32.9	Trace	Trace	<0.1	<0.1
1674	32.9 - 38.5	Trace	Trace	<0.1	<0.1
1675	38.5 - 42.5	Trace	Trace	0.1	<0.1
1676	42.5 - 46.3	Trace	Trace	<0.1	<0.1
1677	46.3 - 52.0	Trace	Trace	0.1	<0.1 - bottom of hole.

Sludge samples analyzed by the U. S. Bureau of Mines - Diamond Drill Hole No. 2:

BM Sample No.	Increment-feet	% Pb	% Zn
1691	4.7 - 9.0	<0.1	0.1
1692	9.0 - 14.1	<0.1	<0.1
1693	15.4 - 20.3	<0.1	<0.1
1694	20.3 - 27.7	<0.1	0.1
1695	27.7 - 31.5	<0.1	0.1
1696	31.5 - 34.6	<0.1	<0.1
1697	34.6 - 39.3	<0.1	0.1
1698	39.3 - 43.3	<0.1	0.1
1699	43.3 - 47.9	<0.1	0.1
1700	47.9 - 51.4	<0.1	0.1
1701	51.4 - 57.2	<0.1	0.1
1702	57.2 - 62.8	<0.1	0.1

BM Sample No.	Increment-feet	% Pb	% Zn
1703	62.8 - 67.3	0.1	0.2
1704	67.3 - 72.7	0.2	0.3
1705	72.7 - 80.9	0.1	0.1
1706	80.9 - 85.7	0.1	0.1
1707	85.7 - 90.8	<0.1	<0.1
1708	90.8 - 93.0	<0.1	0.1 - bottom of hole.



LOCATION MAP
YUBA DIKE MINES, INC.
LINCOLN COUNTY, NEVADA
DOCKET No. DME A 3396
LEAD - ZINC

FIGURE I

RECEIVED
NOV 25 1956
D.M.E.A.

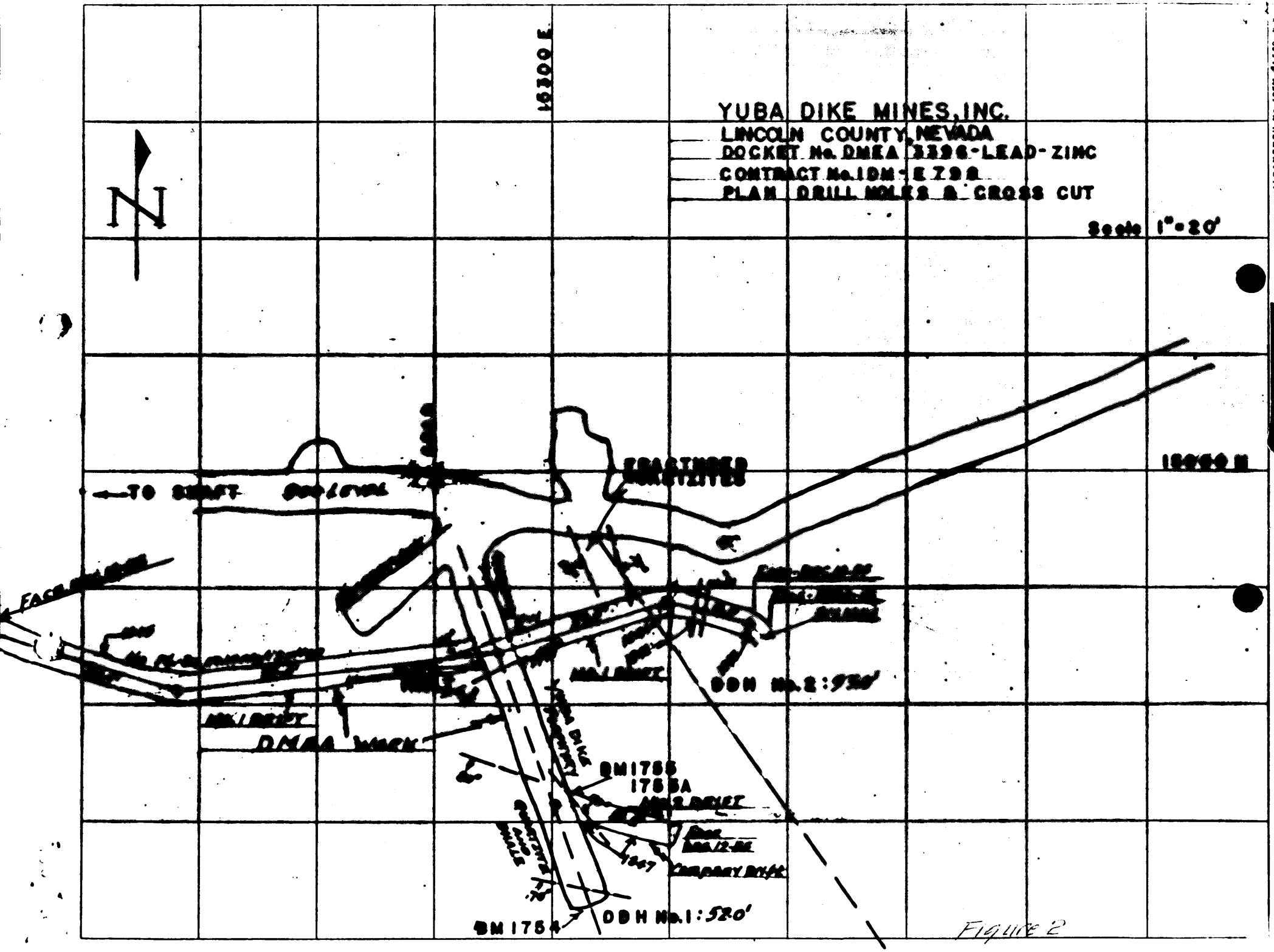
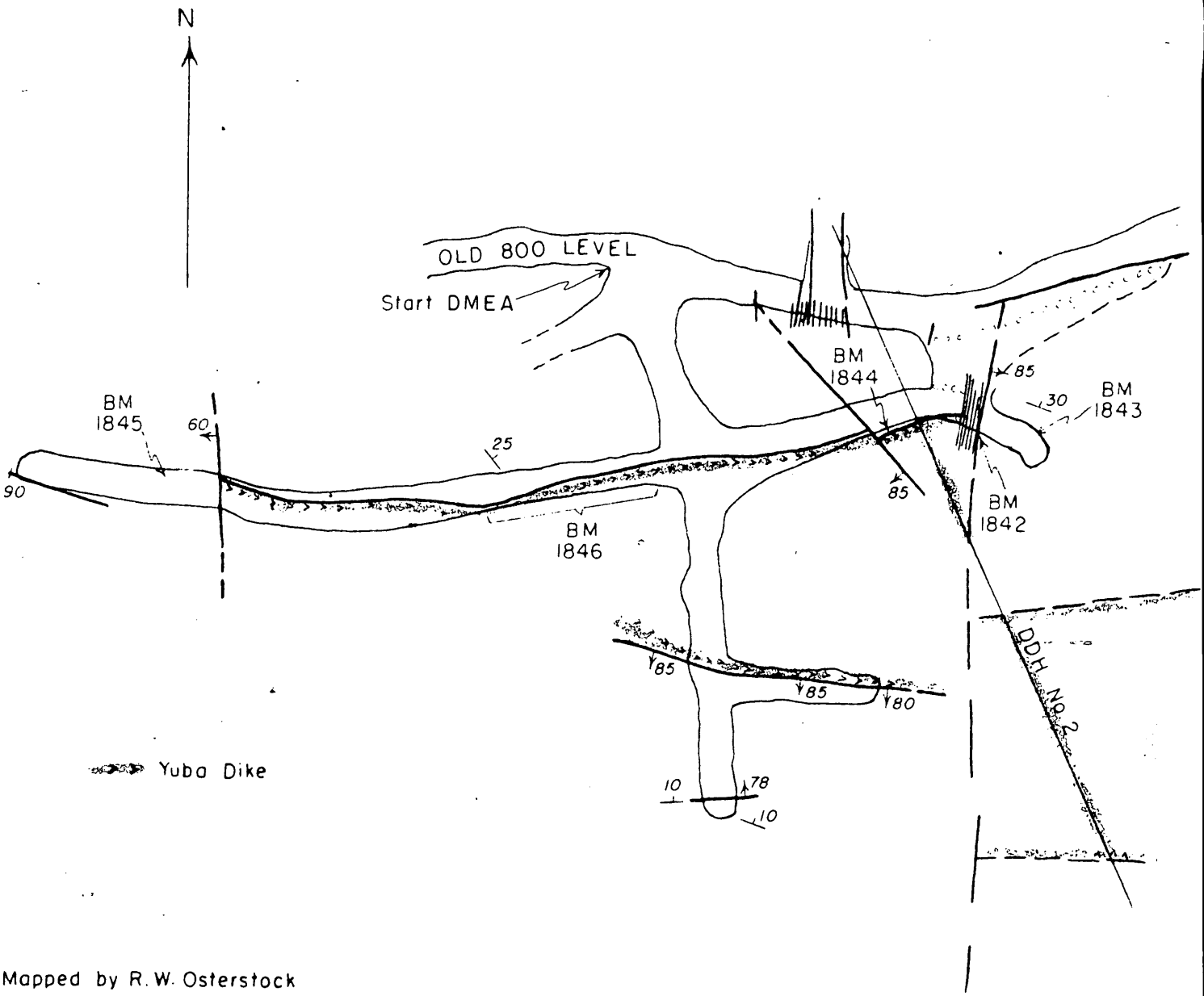

YUBA DIKE MINES, INC.
LINCOLN COUNTY, NEVADA
DOCKET No. DMEA 3396-LEAD-ZINC
CONTRACT No. IDM-E 798
PLAN DRILL HOLES & CROSS CUT
Scale 1" = 20'
N
16300 E
TO SHAFT
DOUBLE DIKE
EXACTITED
DDH No. 2: 930'
DMEA WORK
BM 1755
1755A
BM 1754
DDH No. 1: 520'

Figure 2

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3396
Idm E-798
(LEAD-ZINC)



Mapped by R.W. Osterstock
December, 1955

DMEA WORKINGS ON 800 LEVEL, YUBA DIKE MINE
LINCOLN COUNTY, NEVADA

20 0 20 40 Feet

Figure 3

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

RECEIVED
OCT - 1 1956

1605 Evans Avenue
Reno, Nevada

Sept. 27, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3396 (Lead-Zinc)
Yuba Dike Mines, Inc.
Yuba Dike Mining Claims
Lincoln County, Nevada
Contract No. Idm-E 798

Enclosed are four copies of the Operator's final report on subject docket.

S. Ricker

Encls.

YUBA DIKE MINES INC.
Pioche, Nevada

Subject: Yuba Dike Mines Inc. - Final Report

RECEIVED
OCT - 1 1956

Date: September 20, 1956

To: J. A. Hedman, President Yuba Dike Mines Inc.

From: O. E. Schrader

Dear John: Docket No. DMEA - 3396

The following is a resume of work completed under the Exploration Project Contract with the Defense Minerals Administration.

Under Stage I of said contract core drilling was started during August 1955 with the drilling of holes #1 and #2. Botheof these holes penetrated the Yuba Dike porphyry and gave us information as the location of said dike. Aggregate core drilling footage of both holes was 145.0 ft. at $7.00 per ft. plus eight sludge samples allowed at $2.00 per sample making a total expenditure under Stage I of $1,031.00.

Under Stage II of contract a cross cut was started near the collar of core drill hole No. 1 and driven south easterly. The "Yuba Dike" porphyry was cut during this operation and was found to have a slight dip to the south and an average thickness of 26.0 ft. although this thickness tends to increase to the east and narrow to the west. Total cross cut completed was 72.0 ft at $37.00 per ft. which equals $2,664.00 plus one sample at $2.00 making a total expenditure under Stage II of $2,666.00.

Under Stage III of contract drifting to the east for 42.0 ft. and to the west for 86.0 ft. along the hanging wall or north side of dike was conpleted.

While drifting to the east a north-south fault was cut which faulted the dike to the south. Last 10 ft. of this advance failed to make contact with dike.

While drifting to the west a strong north-west fault was cut which faulted the dike. The last 38.0 ft. was in crushed quartzite and failed to make contact with the dike.

Drifting along dike contact totaled 128.0 ft. at $37.00 per ft. making a total expenditure under Stage III of $4,736.00.

No comercial minerals were found during the life of this project. All workings have been in a heavily oxidized leached area.

Dristribution of costs follow:

Stage I

Diamond Drill Hole No. 1	52.0 ft. @ $7.00	$	364.00
Diamond Drill Hole No. 2	93.0 ft. @ $7.00		651.00
Eight samples @ $2.00 allowed under Stages I,II,III			16.00
Total			$1,031.00

Stage II

Cross Cut to southeast 72.0 ft. @ $37.00	$2,664.00	
One sample @ $2.00 allowed under Stages I,II,III	2.00	
Total		$2,666.00

Stage III

Drifting easterly 42.0 ft. @ $37.00	$1,554.00	
Drifting westerly 86.0 ft. @ $37.00	3,182.00	
Total		4,736.00
Grand Total		$8,433.00
DMEA Participation @ 50%		$4,216.50

Very truly yours,

O. E. Schrader

O. E. Schrader
Mine Engineer

A-103

REFERENCES

YUBA DIKE MINES INC.

800 Level No. 1 Mine

Docket No. D.M.E.A.-3396

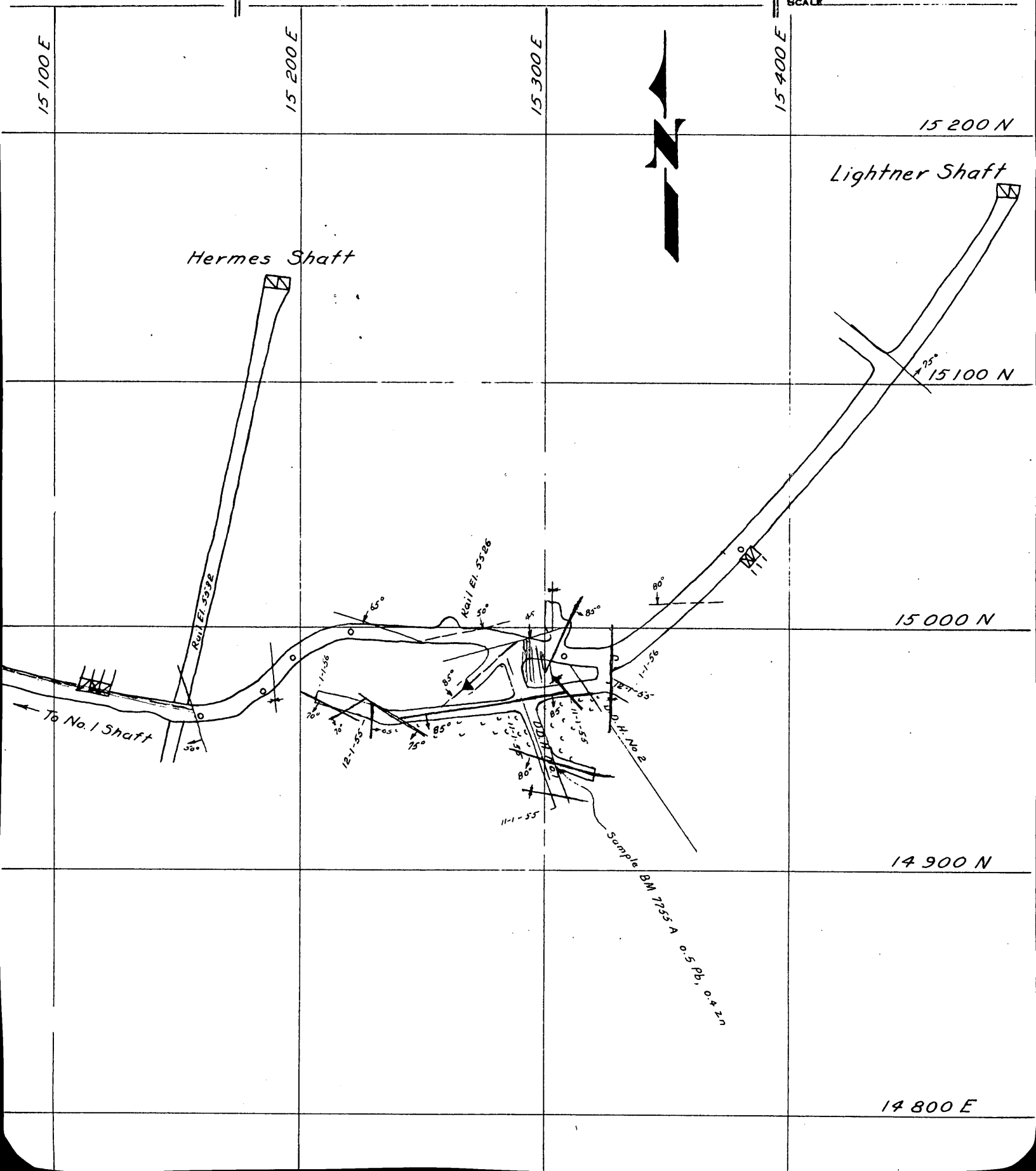
October 16, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'



RECEIVED
OCT - 1 1956

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

RECEIVED

1605 Evans Avenue
Reno, Nevada

June 5, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3396 (Lead-zinc)
Yuba Dike Mines, Inc.
Yuba Dike Mining Claims
Lincoln County, Nevada
Contract No. Idm-E798

Supplementary to my letter of May 17, 1956, I am enclosing an interim report by Glenn G. Gentry dated May 29 in which it is stated that the Operator desires to terminate by mutual agreement above subject contract.

We note in your letter of May 28, 1956 that such an agreement is being prepared.

S. Ricker

Encl.

SRicker:gh
cc: Finance Off., Reg. II
Geo. Mavor
R. M. Smith
File

INTERIM REPORT

MAY 29 1956

DMEA-3396 (Lead-zinc)
Yuba Dike Mines, Inc.
Yuba Dike Mine (No. 1 shaft)
Pioche, Lincoln County, Nevada
Contract No. Idm-E798

Accompanied by John A. Hedman, president, the Yuba Dike mine was visited on May 24. No progress has been made since the inspection on December 12, 1955 which recorded an advance of three feet (see interim report dated 2/16/56).

The diamond drilling, crosscutting and drifting, conducted by the operator, disclosed and followed the Yuba Dike along its contact with the quartzite. However, only very minor amounts of lead and zinc mineralization were found and the value of additional exploration seems questionable.

Therefore, due to the negative results, the Operator now desires to terminate the project by mutual agreement, and it is recommended that his request for termination be approved.

The contract exploration:

Stage	Type of work	Feet Approved	Completed	Uncompleted
I	Diamond drilling	400	145	255
II	Crosscutting	150	72.5	77.5
III	Drifting	300	131	169
	Raising	50	-	50

Financial:

Amount of contract	$21,750
Expenditures as of 12/31/55 .	8,433
Unexpended	$13,317

Contract period: Amendment No. 1, dated February 8, 1956, suspended work under the contract for the period beginning January 21, 1956 and ending not later than April 1, 1956, and the time for completion is extended to September 15, 1956.

Glenn G. Gentry
Mining Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED APR 1 9 1956

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date 4/17/56

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-3396

Contract No. Idm-E798

Commodity Lead-zinc

Operator Yuba Dike Mines, Inc.

Property Yuba Dike Mine (No. 1 Shaft)
Lincoln County, Nev.

By Glenn G. Gentry

Dated 4/6/56

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-3396 (Lead-zinc) April 6, 1956

Yuba Dike Mines, Inc.
Pioche, Nevada

Yuba Dike Mine (No. 1 Shaft)
Pioche, Lincoln County, Nevada

Contract No.: Idm-E798

Accompanied by John A. Hedman, president, the Yuba Dike mine was visited on April 3. No progress has been made since the last inspection on February 9, as amendment No. 1, dated February 8, approved suspension of the work ending not later than April 1, 1956.

On April 1, 1956, the Operator started repairing equipment to be used in continuing the project and drying out the electric motor which powered the underground air compressor.

Sample BM-1926, width 1.0 foot, taken in the face of the southeast drift during the inspection on February 9, analyzed 0.3% Pb, 0.6% Zn, 0.01 ounces Au and 0.50 ounces Ag per ton.

Due to the negative results obtained from the exploration drifting, the Operator is considering requesting termination of the project. However, before termination is agreed upon, the examiner recommends that two diamond drill holes be drilled from the present face of the southeast drift. The purpose of the drill holes would be to explore the area in a southeasterly direction and between the present face of the drift and the intersection of two northeast to southwest faults.

The depth of the two diamond drill holes would probably not exceed 150 feet, and a total of 255 feet of diamond drilling remains uncompleted under the contract.

It is suggested that the first drill hole be extended on a bearing of S. 30° E., inclined plus 5 degrees to a depth of 75 feet. The bearing, inclination and depth of the second drill hole should be contingent upon the results of the first drill hole.

Contract exploration:

		Approved	Completed	Not Completed
Stage I -	Diamond drilling	400 feet	145 feet	255 feet
Stage II -	Crosscutting	150	72.5	77.5
Stage III -	Drifting	300	131	169
	Raising	50	-0-	50

Financial:

Amount of contract:	$21,750.00
*Expenditures as of 12/31/55	8,433.00
Unexpended	$13,317.00

Contract period: To be completed on or before June 1, 1956.

*No expenditures made in January and February 1956.

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

RECEIVED FEB 1 1956

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1955 Docket No. DMEA 3596 Contract No. IDF-E 798
Operator's Name Yuba Dike Mines Inc. Minerals Lead - Zinc
Address Pioche, Nevada
Contract Amount, $ 21,750.00 Government Participation: 50 % Amount, $ 10,875.00

RECEIVED FEB 29 1956

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		1013.00	1013.00	3/7/56		
Bulldozing						
Crosscutting		2664.00	2664.00			
Drifting	1358.00	5478.00	6836.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis		10.00	10.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	1358.00	7175.00	8433.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 2/3/56 *Payee Yuba Dike Mines, Inc.
Per [signature] Title President

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

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

(Instructions on reverse)

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

$ 629.00

Signature
(Authorized Certifying Officer)

Date 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-E798 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 2/9/56

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer Date 2/9/56

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED FEB 29 1956

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 195 5 Docket No. DMEA 3396 Contract No. IDM-E 798

Operator's Name Yuba Dike Mines Inc. Minerals Lead-Zinc

Address Pioche, Nevada

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	1 ft.	1258.00	34.0	4736.00	128	$37.00	300	$37.00
Crosscutting	1 ft.			2664.00	72	$37.00	150	$37.00
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft.			1015.00	145	$ 7.00	400	$ 7.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampling	1 sample			18.00	9	$ 2.00	50	$ 2.00
TOTAL DISTRIBUTED COSTS		1258.00		8433.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		1258.00		8433.00				21,750.00

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 2/3/56 Operator Yuba Dike Mines, Inc.

Per John A. Hedman Title President

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

(Instructions on reverse)

REMARKS:

(For Government use only)

John A. Hedman

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

YUBA DIKE MINES INC.
Pioche, Nevada

RECEIVED
FEB 20 1956

Subject: Yuba Dike Mines Inc. - Narrative - December 1955

Date: January 29, 1956

To: J. A. Hedman, President, Yuba Dike Mines Inc.

From: O. E. Schrader

Dear John: Docket No. DMEA - 8396

During the month of December 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 800 Level

Under stage III of said contract drifting to the east and to the west on the footwall contact of the Yuba Dike porphyry were extended as follows:

While drifting east along the footwall of dike and crossing a north south fault which faulted the dike to the south, the drift was turned to the south and advanced 10 ft. Dike was not found during this advance.

Drifting to the west was advanced 24 ft. All advance was in a crushed quartzite. The dike was not found during this advance.

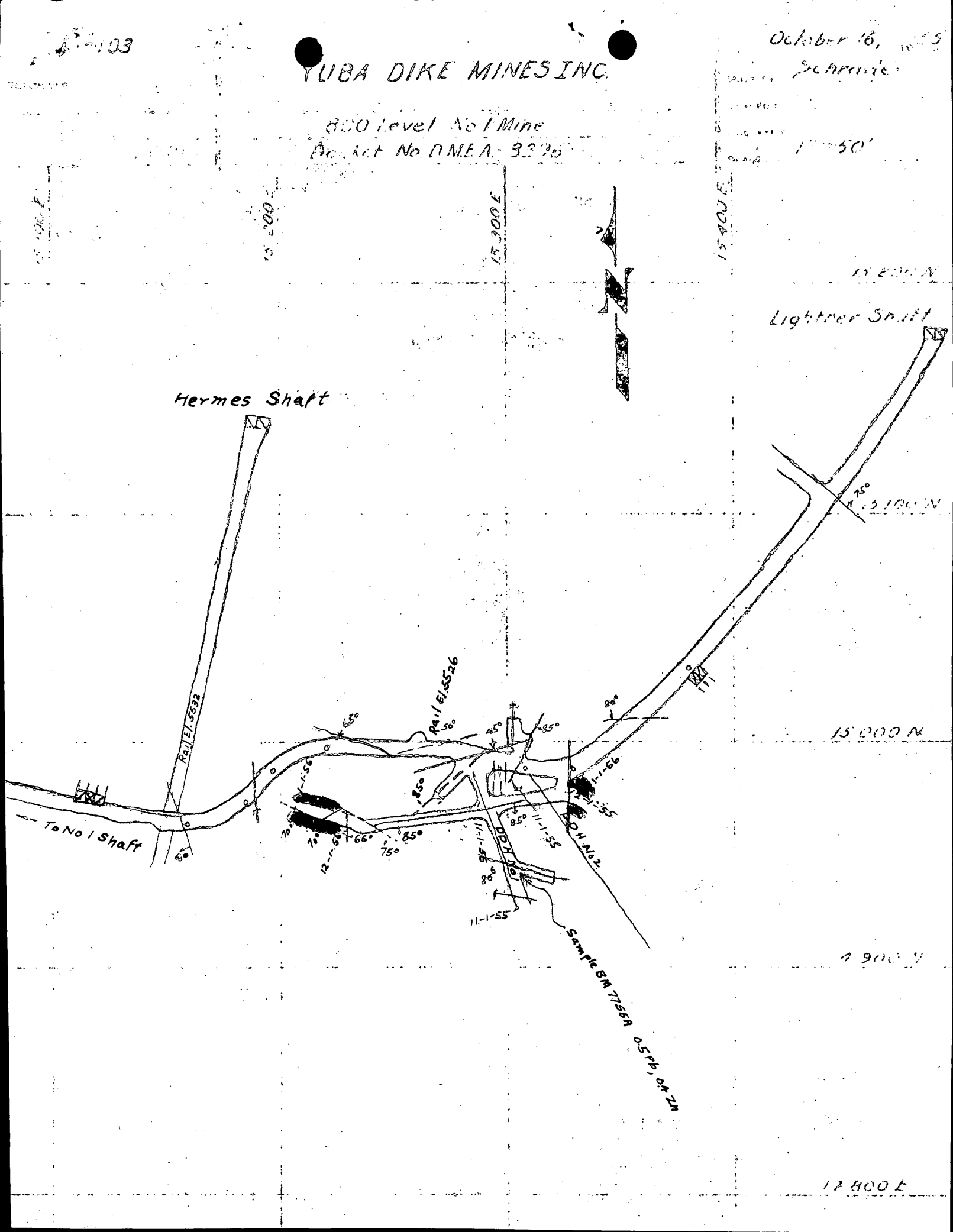
Distribution of costs for December follow:

Stage III

Drifting easterly - 10.0 ft @ $37.00	$ 370.00
Drifting westerly - 24.0 ft @ $37.00	888.00
Total	$ 1258.00
DMEA participation @ 50%	$ 629.00

Very truly yours,

O. E. Schrader
Mine Engineer


YUBA DIKE MINES INC.
800 Level No 1 Mine
Hermes Shaft
Lightner Shaft
To No 1 Shaft
Rail El. 5532
Rail El. 5526
DDH No 1
DDH No 2
Sample BM 7755A 0.5% Pb, 0.4% Zn
15 300 E
15 400 E
15 000 N
12 800 E

RECEIVED
FEB 29 1956

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-3396

Contract No. Idm-5798

Commodity Lead-zinc

Operator Yuba Dike Mines, Inc.

Property Yuba Dike Mine, 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

RECEIVED
FEB 2 5 1956

Mineral Deposits Branch

January 23, 1956

Memorandum

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

From: R. W. Osterstock

Subject: DMEA-3396 (lead-zinc) Yuba Dike Mines, Inc.
Yuba Dike mine, Lincoln County, Nevada
Contract No. Idm-E798
INTERIM REPORT

Mr. John Hedman, operator of the subject property, was visited on January 19, 1955 by R. W. Osterstock (USGS). Discussion of DMEA activity at the property revealed that no significant advance had been made since the date of the last inspection on December 14, 1955. The workings, as they existed on that date, are illustrated on the map accompanying my memo dated January 3, 1956. The location of samples taken by the USBM representative are noted on the map; the assays are as follows:

BM Sample No.	% Pb	% Zn	% Cu	Au oz/ton	Ag
1842	0.2	0.3	0.03	0.005	0.30
1843	0.2	0.3	0.03	0.01	0.50
1844	0.2	0.2	0.04	0.01	0.30
1845	0.2	0.2	0.03	0.01	0.30
1846	0.2	0.2	0.03	Tr.	Tr.
1847	0.2	0.2	0.06	0.01	0.40

Mr. Hedman explained that the inactivity on the DMEA project was due mainly to the fact that the underground crew was being utilized to meet work requirements, which are in his lease agreements, in other portions of the mine. Hedman was advised that in order to prevent defaulting his DMEA contract he should file a

request for recess which would provide ample time for completion of his work commitments.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED FEB 20 1956

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-3396

Contract No. Idm-3798

Commodity Lead-zinc

Operator Yuba Dike Mines, Inc.

Property Yuba Dike Mine (No. 1 shaft)
Lincoln County, Nevada

By Glenn G. Gentry

Dated 2/16/56

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-3396 (Lead-zinc) February 16, 1956

RECEIVED FEB 20 1956

Name and address of operator: Yuba Dike Mines, Inc.
John A. Hedman, President
Pioche, Nevada

Name and location of property: Yuba Dike Mine
(No. 1 shaft)
Pioche, Lincoln County, Nevada

Contract No.: Idm-E798

Accompanied by Mr. John A Hedman, the Yuba Dike Mine was visited on February 9. Progress since the last inspection, December 12, 1955, amounted to drilling and blasting one round in the East drift, with an advance of 3 feet.

On January 21, 1956, the operator requested a 60 day recess, due to being short handed and to fulfill a work agreement on the 300 level. In answer to this request and under date of February 8, 1956, amendment No. 1 was issued which approved suspension of the work beginning January 21 and ending not later than April 1, 1956.

The three foot advance in the No. 1 West drift failed to disclose appreciable mineralization, although a seam of smoky quartz from 1/2-inch to 1-1/2 inches wide was noted in the face. This quartz appeared on the contact between the Yuba Dike porphyry and quartzite. One sample, BM-1926, was taken across the porphyry and the analyses will be included in the next interim report.

Samples mentioned in the report of December 12 were analyzed as follows:

Sample No.	Width, feet	Percent Pb	Percent Zn	Percent Cu	Ounces/Tons Au	Ounces/Tons Ag
BM-1842	1.7	0.2	0.3	0.3	0.005	0.30
BM-1843	Grab	0.2	0.3	0.3	0.01	0.50
BM-1844	0.7	0.2	0.2	0.4	0.01	0.30
BM-1845	4.6	0.2	0.2	0.3	0.01	0.30
BM-1846	23.0	0.2	0.2	0.3	Trace	Trace
BM-1847	9.0	0.2	0.2	0.6	0.01	0.40

Work completed - East drift:

	Feet
Stage II - Advance previously reported	42.3
Advance 12/12/55-2/9/56	3.0
Total	45.3

West drift:

Advance previous reported	85.7
Advance 12/12/55-2/9/56	-
Total	85.7

Total advance, both drifts 131.0

Not completed:

Diamond drilling:	255.0
Crosscutting:	77.5
Drifting:	169.0

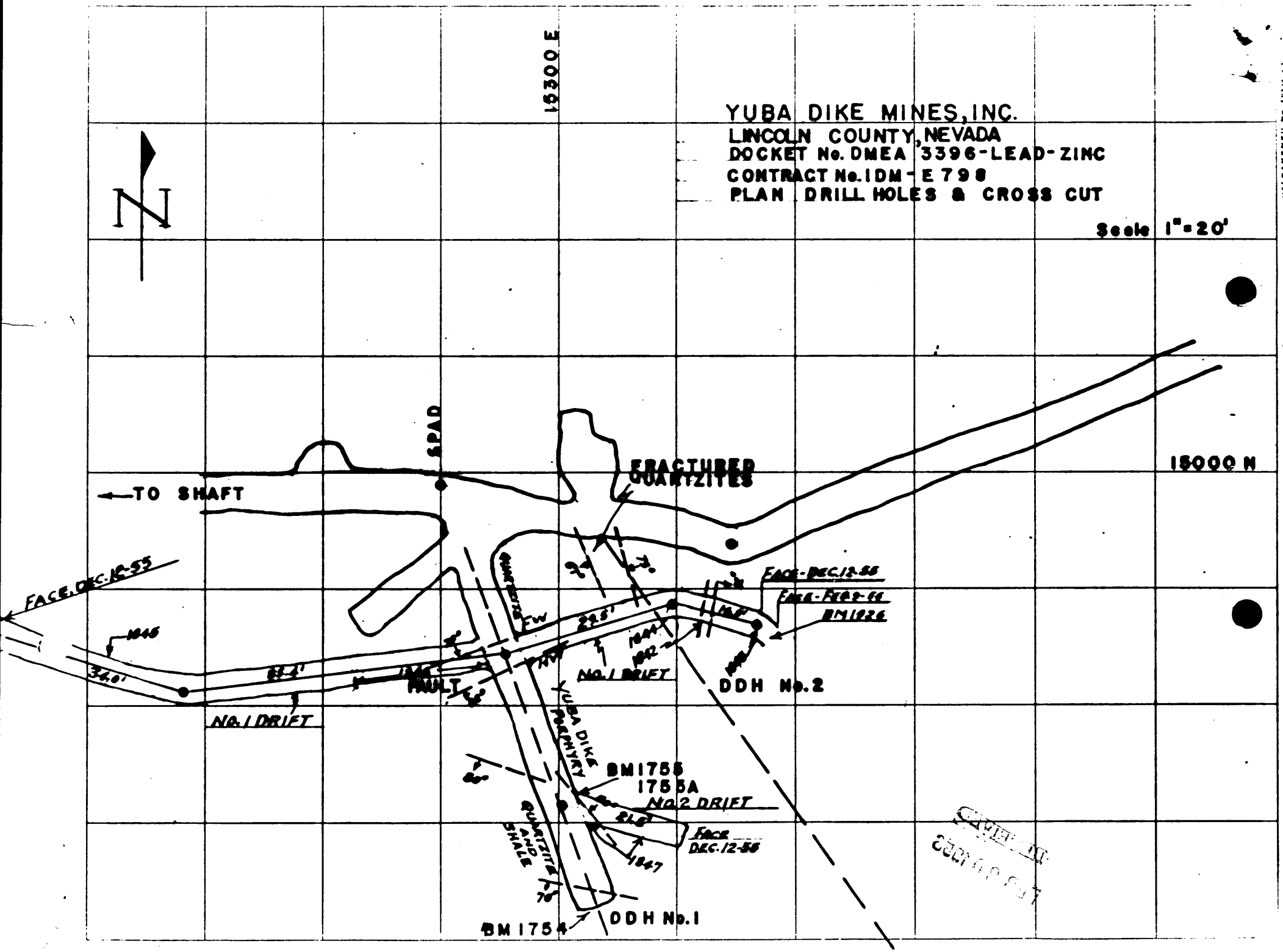
Financial:

Amount of contract:	$21,750.00
Expenditures as of 12/31/55	8,433.00
Unexpended	$13,317.00

Contract period:

To be completed on or before 6/1/56
Unexpended contract time: 3-1/2 months

Glenn G. Gentry
Mining Engineer


YUBA DIKE MINES, INC.
LINCOLN COUNTY, NEVADA
DOCKET No. DMEA 3396-LEAD-ZINC
CONTRACT No. IDM-E 798
PLAN DRILL HOLES & CROSS CUT
Scale 1" = 20'
N
16300 E
15000 N
SPAD
TO SHAFT
FRACTURED QUARTZITES
FACE-DEC.12-55
FACE-DEC.12-55
FACE-FEB.2-56
BM1826
1846
34.0'
83.4'
FAULT
NO.1 DRIFT
NO.1 DRIFT
22.5'
DDH No.2
YUBA DIKE PORPHYRY
BM1755
1755A
NO.2 DRIFT
FACE DEC.12-55
1847
QUARTZITE AND SHALE
BM 1754
DDH No.1

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

RECEIVED
JAN 17 1956

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, 1955 Docket No. DMEA 3396 Contract No. IDM-E 798
Operator's Name Yuba Dike Mines Inc. Minerals Lead-Zinc
Address Pioche, Nevada
Contract Amount, $ 21,750.00 Government Participation: 50 % Amount, $ 10,875.00

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		1015.00	1015.00	1/19/56.	WHK	
Bulldozing						
Crosscutting		2664.00	2664.00			
Drifting	2682.50	795.50	3478.00			
						1/19/56. J.W.A.
(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		18.00	18.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2682.50	4492.50	7175.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Dec 21, 1955 *Payee Yuba Dike Mines, Inc
Per [signature] Title President

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

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

(Instructions on reverse)

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

$ 1341.25

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

Date ..... Vou. No. SF-DMEA-25

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature [illegible] Title Mining Engineer Date 12/27/55

Glenn G. Gentry

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date 12/27/55

O. 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

ACCOUNTS DEC 2 9 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED

OPERATOR'S UNIT COST AND PROGRESS REPORT

JAN 17 1956

Month of November 1955 Docket No. DMEA 3396 Contract No. IDM-E 798
Operator's Name Yuba Dike Mines Inc. Minerals Lead-Zinc
Address Pioche, Nevada

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	1 ft.	2682.50	72.5	3478.00	94.0	37.00	300	37.00
Crosscutting	1 ft.			2664.00	72.0	37.00	150	37.00
Raising								
Shafts								
Winzes								
Drilling: Core	1 ft.			1015.00	145.0	7.00	400	7.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampling	1 sample			18.00	9	2.00	50	2.00
TOTAL DISTRIBUTED COSTS		2682.50		7175.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2682.50		7175.00				$21,750.00

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 Dec 21 1955 Operator Yuba Dike Mines Inc.
Per John H. Bohman Title President

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

(Instructions on reverse)

(For Government use only)

Glenn E. Gordon

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

YUBA DIKE MINES INC.
Fiesta, Nevada

RECEIVED
JAN 17 1956

Subject: Yuba Dike Mines Inc. - Narrative - November 1955

Date: December 18, 1955

To: J. A. Hedman, President, Yuba Dike Mines Inc.

From: O. E. Schrader

Dear John: Docket No. DMEA-3396

During the month of November 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 800 Level

Under stage III of contract drifting to the east and west on the footwall or north contact of the Yuba Dike porphyry were extended for an aggregate distance of 72.5 ft.

Drift to the east was advanced 17.5 ft. along porphyry contact. A small north-west fault was crossed which faulted the contact to the south for approx. 5 ft. Contact was then followed to present face.

Drift to the west was advanced for a distance of 41.0 ft. at which point a strong north-west fault, faulted the porphyry contact. Drift was turned to the north and driven an additional 14.0 ft. Contact was not found in this 14.0 ft. advance. Total drifting in west drift was 55.0 ft.

A small drift was driven to the east along hanging wall or south contact of Yuba Dike porphyry for a distance of 19.5 ft. Contact had a tendency to turn to the north and assume a more east-west strike. No participation is being asked from Defense Minerals Administration contract for this 19.5 ft. of drift.

No commercial minerals have been found in any of the above advances to date. All advance has been in a heavily oxidized leached area.

Distribution of costs for November, follows:

Stage III

Drifting easterly - 17.5 ft. @ $37.00	$ 647.50
Drifting westerly - 55.0 ft. @ $37.00	2035.00
Total	$ 2682.50
DMEA participation @ 50%	$ 1341.25

Very truly yours,

O. E. Schrader

O. E. Schrader
Mine Engineer

A-103

REFERENCED

YUBA DIKE MINES INC.

800 Level No. 1 Mine

Docket No. D.M.E.A.-3396

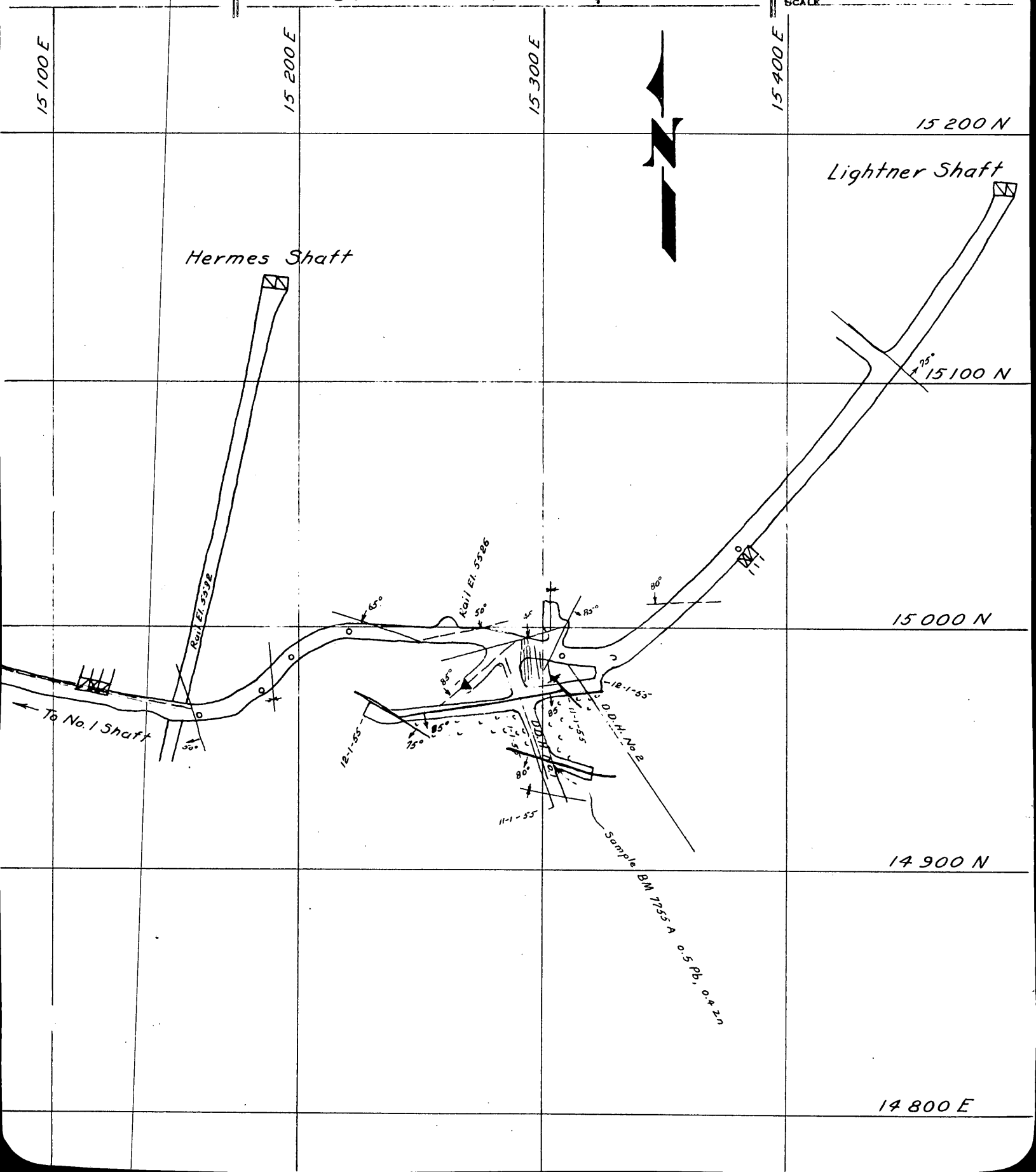
October 16, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'



RECEIVED

JAN 12 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date 1/10/56

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -
Docket DMEA 3396

Contract Idm-E 798

Commodity lead-zinc

Operator - Yuba Dike Mines, Inc.

Property - Yuba Dike Mine, 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

RECEIVED
JAN 12 1956

Mineral Deposits Branch

January 3, 1956

Memorandum

To: DMEA Field Team, Region II

From: R. W. Osterstock

Subject: DMEA-3396 (lead-zinc)
Yuba Dike Mines, Inc.
Yuba Dike mine
Lincoln County, Nevada
Contract No. Idm-E796
INTERIM REPORT

The subject property was visited December 14, 1955 by R. W. Osterstock (USGS) and G. G. Gentry (USBM). Mr. John Medman, the operator, accompanied the inspectors during the examination.

Crosscutting and drifting operations through and along the Yuba Dike are advanced to the positions indicated on the accompanying geologic sketch map. Operations at the time of the inspection had been suspended pending advice from DMEA personnel relative to a fault structure which had cut off the north wall of the dike in the drift.

Thus far work in the project area has involved diamond drilling two holes from the existing 800 level workings. These holes established the position of the dike south of the 800 level drift. Crosscutting was started along the course of diamond drill hole No. 1 and was continued to a point about 20 feet beyond the south wall of the dike. Drifting operations at the time of the

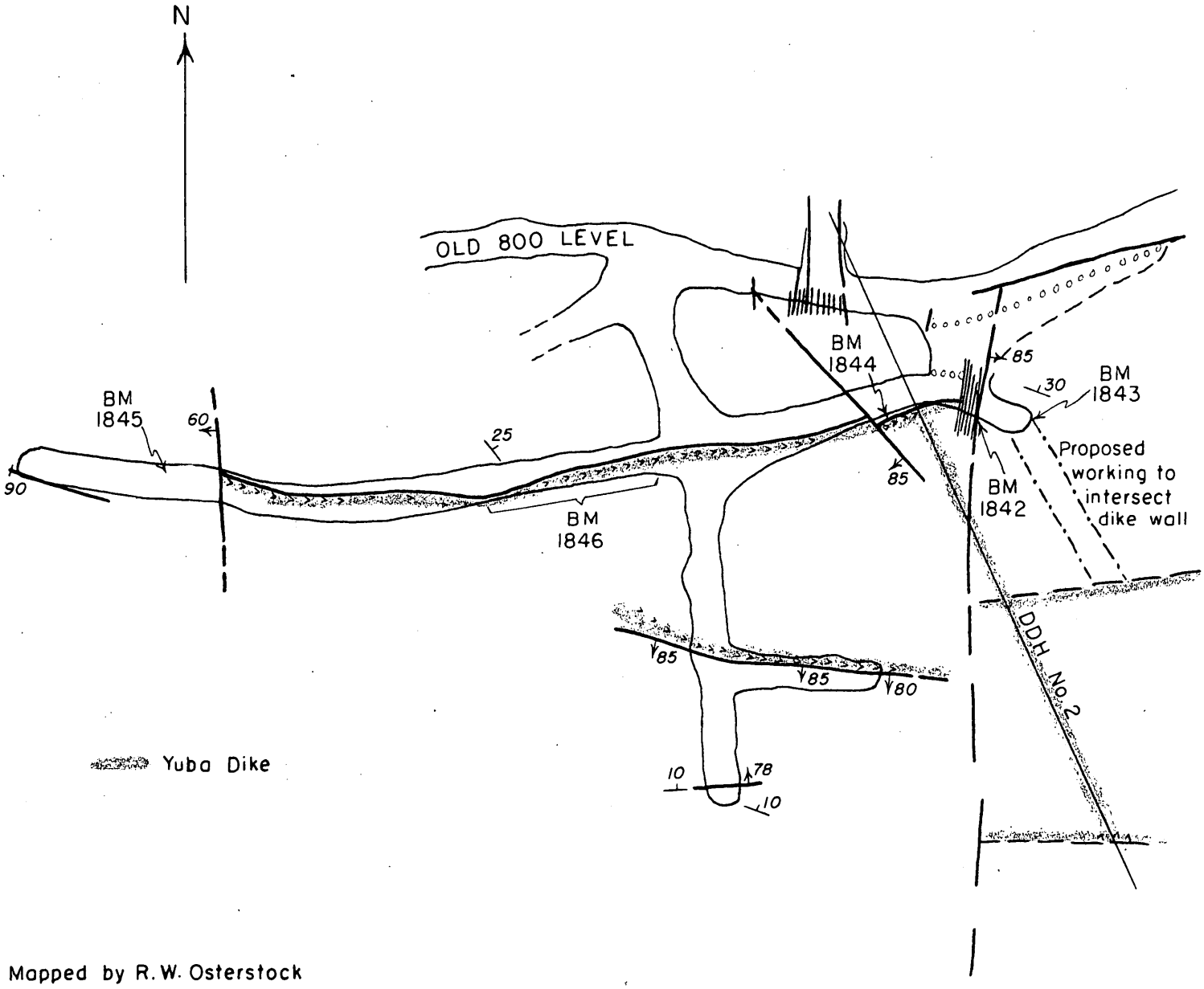
inspection had exposed about 97 feet of the north wall of the dike (both east and west of the crosscut); and about 25 feet of the south wall to the east of the crosscut. The dike contact on the north wall has been cut off by faulting in both ends of the drift. Detailed study of the southwest zone in the east drift reveals that the same fault structure had been encountered earlier in the old 800 level drift.

The apparent thickening of the dike to the east, as was indicated in the two drill holes, may now be safely ascribed to faulting which has offset the eastern segment of the dike about 20 to 25 feet south. The operator was advised, therefore, to turn his drift heading to the southeast as is indicated on the attached map.

At no point in the DMEA workings has there been a minable concentration of ore minerals. At several isolated localities there is, however, evidence that ore minerals were present prior to leaching and oxidation. Sampling has disclosed only minor amounts of metallization along the walls of the dike. Assay data for the USBM samples has not yet been received, and will be reported later.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3396
Idm E-798
(LEAD-ZINC)



Mapped by R.W. Osterstock
December, 1955

DMEA WORKINGS ON 800 LEVEL, YUBA DIKE MINE
LINCOLN COUNTY, NEVADA

20 0 20 40 Feet

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 3396

Contract Idm-E 798

Commodity Lead-zinc

Operator - Yuba Dike Mines, Inc.

Property - Yuba Dike Mine (No. 1 Shaft), Lincoln Co., Nev.

By Glenn G. Gentry

Dated 12/21/55

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

RECEIVED
DEC 30 1955

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-3396 (Lead-zinc) December 21, 1955

Name and address of operator: Yuba Dike Mines, Inc.
John A. Hedman, Pres.
Pioche, Nevada

Name and location of property: Yuba Dike Mine
(No. 1 Shaft)
Pioche, Lincoln County, Nevada

Contract No.: Idm-E798

A joint Bureau of Mines-Geological Survey inspection was made of the Yuba Dike mine on December 14, accompanied by Mr. John A. Hedman.

Drifting, following the contact between the Prospect Mountain quartzite and the Yuba Dike porphyry, has been conducted off the crosscut and in both easterly and westerly directions. Only slight indications of sulfide mineralization were noted.

Additional drifting in a westerly direction was discontinued due to lack of mineralization and the fact that the larger portion of the drift was in quartzite. Drifting will be continued in a southeasterly direction along the quartzite-porphyry contact in order to explore the Dike in that area. So far, the results of the project have been disappointing to all parties concerned.

Drift No. 2 has been extended a distance of 19.5 feet in an easterly direction off the crosscut by the Operator and at his expense.

RECEIVED
DEC 30 1955

This No. 2 drift (see sketch attached) was on the hanging wall side of the porphyry and entirely in quartzite which showed no mineralization. Further work in this drift has been discontinued. Samples BM-1842 - BM-1847 inclusive were secured and the analyses will be included in the next interim report.

Work completed:

		Feet
Stage II:	West drift advance	85.7
	East drift advance	42.3
		128.0

Not completed:

Diamond drilling	255.0
Crosscutting	77.5
Drifting	172.0

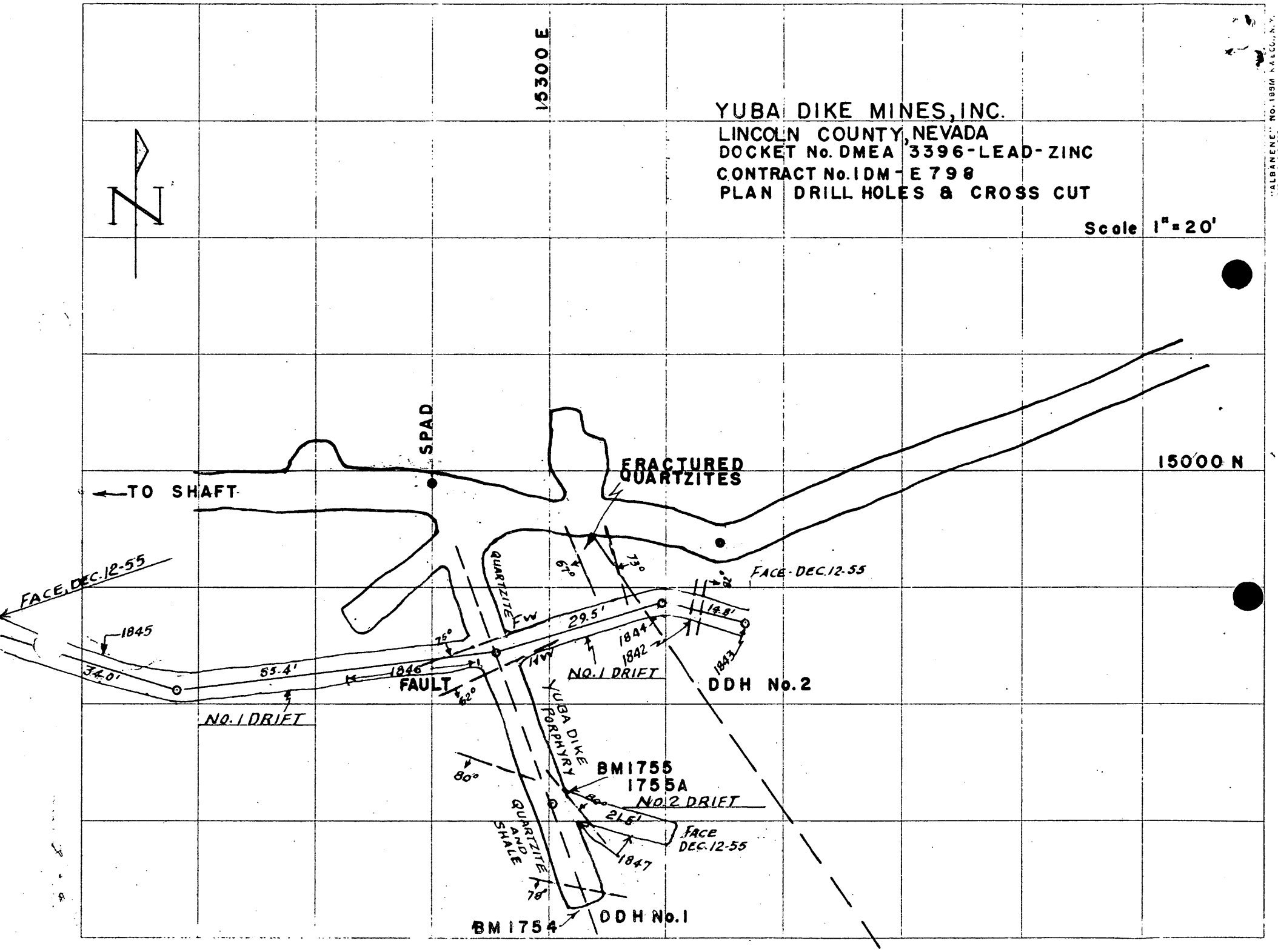
Financial:

Amount of contract	$21,750.00
Expenditures as of 10/31	4,492.50
Unexpended	$17,257.50

Contract period:

To be completed on or before June 1, 1956
Unexpended contract time: 6 months

Glenn G. Gentry
Mining Engineer


YUBA DIKE MINES, INC.
LINCOLN COUNTY, NEVADA
DOCKET No. DMEA 3396-LEAD-ZINC
CONTRACT No. IDM-E 798
PLAN DRILL HOLES & CROSS CUT
Scale 1" = 20'
15300 E
15000 N
N
SPAD
TO SHAFT
FRACTURED QUARTZITES
FACE-DEC.12-55
FACE-DEC.12-55
1845
34.0'
55.4'
1846
FAULT
NO. 1 DRIFT
QUARTZITE FW
29.5'
1844
1842
14.8'
1843
NO. 1 DRIFT
DDH No. 2
YUBA DIKE PORPHYRY
BM1755
1755A
NO. 2 DRIFT
21.5'
FACE DEC.12-55
1847
QUARTZITE AND SHALE
BM 1754
DDH No. 1

Form ME-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

NOV 28 1955

Month of October, 1955 Docket No. DMEA 3396 Contract No. DMEA 798
Operator's Name Yuba Dike Mines, Inc. Minerals Lead-Zinc
Address Pioche, Nevada
Contract Amount, $ 21,750.00 Government Participation: 50 % Amount, $ 10,875.00

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:						12/1/55 D.M.A.
Drilling		1015.00	1015.00	1/3/56		
Bulldozing						
Crosscutting	1998.00	666.00	2664.00			
Drifting	795.50		795.50			
(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	2.00	16.00	18.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	2795.50	1697.00	4492.50			

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

Date Nov. 10, 55 *Payee Yuba Dike Mines, Inc.

Per Alexander Lloyd 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:

$ 1397.75

Lloyd H. Sjolander
Authorized Certifying Officer

Signature
(Authorized Certifying Officer)

Date NOV 22 1955 Vou. No. SF-Om Ca-19

(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-E798 in accordance with the terms of the contract.

Signature [signature] Title Mining Engineer Date 11/17/55

For Glenn G. Gentry

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [signature] Title Executive Officer Date 11/17/55

S. Ricket

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 NOV 28 1955

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1955 Docket No. DMEA 3396 Contract No. IDM-E798

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

Address Pioche, Nevada

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	1Ft.	795.50	21.5	795.50	21.5	37.00	300	37.00
Crosscutting	1Ft.	1998.00	54.0	2664.00	72.0	37.00	150	37.00
Raising								
Shafts								
Winzes								
Drilling: Core	1Ft.			1015.00	145.0	7.00	400	7.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Sampling	1 sample	2.00	1	18.00	9	2.00	50	2.00
TOTAL DISTRIBUTED COSTS		2795.50		4492.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		2795.50		4492.50				$21750.00

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

Date Nov. 10, 1955 Operator Yuba Dike Mines, Inc.

Per Alexander Lloyd 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)

John S Warne
for G. G.

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

YUBA DIKE MINES INC.
Pioche, Nevada

Subject: Yuba Dike Mines Inc. - Narrative - October 1955

Date: November 11, 1955

To: J. A. Hedman, President, Yuba Dike Mines Inc.

From: O. W. Schrader

Docket No. DMEA-3596

Dear John:

During the month of October 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 800 Level

Under Stage II the cross cut to the southeast, which was started in September, was advanced for a total of 34.0 ft. Cross cut followed direction of Diamond Drill Hole No. 1 as drilled under Stage I of said contract.

Yuba Dike porphyry was cut during this advance and was found to have a slight dip to the south and an average thickness of 38.0 ft. although this thickness tends to increase to the east and narrow to the west as shown on the appended map No. A-108. No commercial mineral was found during this advance. One sample was cut near bottom of drift on hanging wall of dike, east side of cross cut, which assayed 0.5 Pb and 0.4 Zn.

Under Stage III of contract drifts were started easterly and westerly on hanging wall or north side contact of dike.

Drifting to the west totaled 7.0 ft. and drifting to the east totaled 14.5 ft. along contact. No commercial mineralization has been found to date.

It has been proposed to extend each drift to explore further this contact during November under Stage III of said contract.

Distribution of costs for October, follows:

Stage II

Cross cut to southeast - 34.0 ft. @ $57.00	$ 1938.00

Stage III

Drifting easterly - 14.5 ft. @ $57.00	826.50
Drifting westerly - 7.0 ft. @ $57.00	399.00
One sample @ $2.00 allowed under Stages I,II,III	2.00
Total	$ 3165.50
DMEA participation @ 50%	$ 1582.75

Very truly yours,

O. W. Schrader

O. W. Schrader
Mine Engineer

A-103

REFERENCES

YUBA DIKE MINES INC.

800 Level No. 1 Mine

Docket No. D.M.E.A.-3396

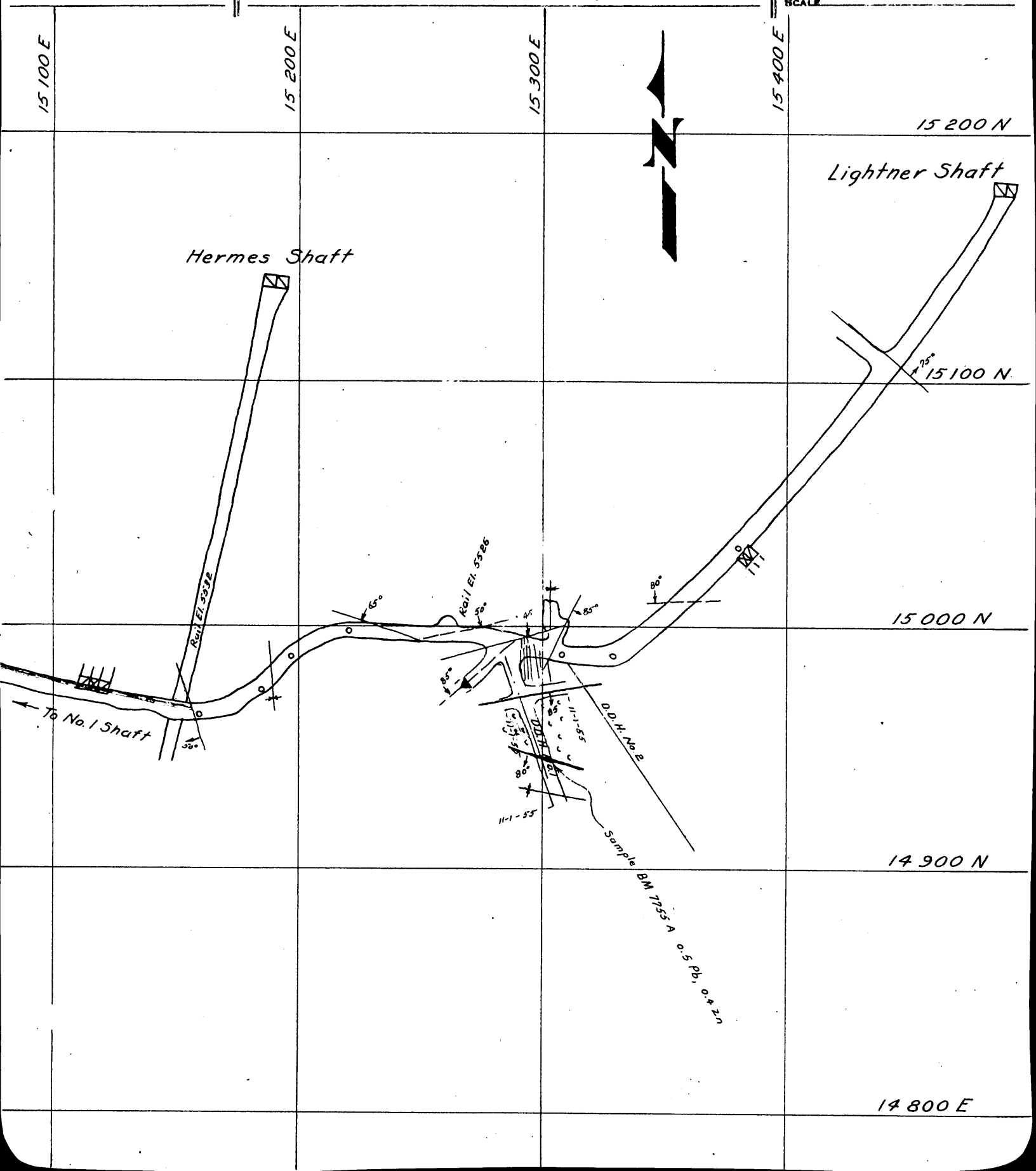
October 16, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'



UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

Date: 11/9/55

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 3396

Contract Idm-E 798

Commodity Lead-zinc

Operator - Yuba Dike Mines, Inc.

Property - Yuba Dike Mine, Lincoln County, Nev.

By Glenn G. Gentry

Dated 11/7/55

RECEIVED
NOV 14 1955

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

Attachments

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

INTERIM REPORT

Docket No.: DMEA-3396 (Lead-zinc) November 7, 1955

Name and address of operator: Yuba Dike Mines, Inc.,
John A. Hedman, President
Pioche, Nevada

Name and location of property: Yuba Dike Mine
(No. 1 shaft)
Pioche, Lincoln County, Nevada

Contract No.: Idm-E798

Accompanied by Messrs. John A. Hedman and O. E. Schrader, representing the operators, the Yuba Dike Mines was inspected on October 25, 26 and 27, 1955.

Crosscutting following the course of diamond drill hole No. 1 was completed for a distance of 72.5 feet. The crosscut was extended through quartzites for the first 24 feet, thence through 32 feet of Yuba Dike porphyry, thence through 16.5 feet of mixed quartzites and shales. Slight mineralization was noted along a fault, striking N70°E and dipping 75° south at the contact between the quartzites and the Yuba Dike porphyry, and drifting has been started easterly and westerly along this contact. Additional faulting has occurred at 56 feet south of the start of the crosscut. This fault strikes S38°-40°E and dips 80° west. Light mineralization was observed and sample 1755A was taken by the operator which showed 0.5 percent Pb and 0.4 percent Zn.

At his expense, the operator is considering drilling and blasting one or two short rounds along this fault for additional prospecting.

The operator employs three men, 1 hoistman and 2 miners, working a night shift only. The miners are employed on a contract basis for which they receive $15.00 per foot for drilling, blasting and removal of the broken rock. They also furnish the blasting supplies.

Additional ventilation will soon be required and the operator expects to install the necessary equipment.

Sludge samples from DDH No. 2 were analyzed as follows:

Sample No.	Location Feet From	Location Feet To	%, Pb	%, Zn
BM-1691	4.7	9.0	*0.1	0.1
1692	9.0	14.1	*0.1	*0.1
1693	15.4	20.3	*0.1	*0.1
1694	20.3	27.7	*0.1	0.1
1695	27.7	31.5	*0.1	0.1
1696	31.5	34.6	*0.1	*0.1
1697	34.6	39.3	*0.1	0.1
1698	39.3	43.3	*0.1	0.1
1699	43.3	47.9	*0.1	0.1
1700	47.9	51.4	*0.1	0.1
1701	51.4	57.2	*0.1	0.1
1702	57.2	62.8	*0.1	0.1
1703	62.8	67.3	0.1	0.2
1704	67.3	72.7	0.2	0.3
1705	72.7	80.9	0.1	0.1
1706	80.9	85.7	0.1	0.1
1707	85.7	90.8	*0.1	*0.1
1708	90.8	93.0	*0.1	0.1

Work completed:

Stage I:	Diamond drilling	145.0 feet
Stage II:	Crosscutting	72.5
	Unused crosscutting	77.5 "

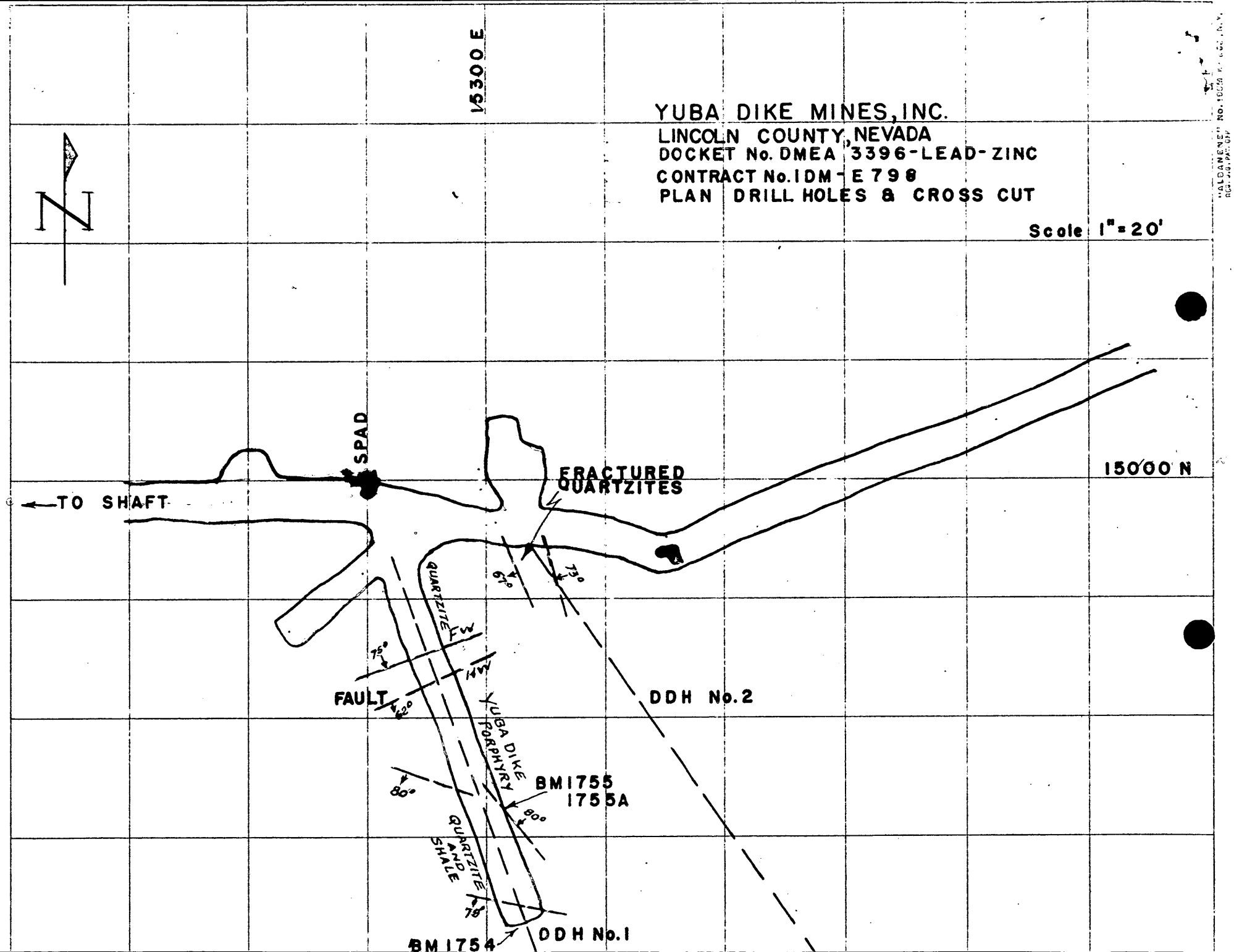
Financial:

Amount of contract	$21,750.00
Expenditures to 9/30/55	1,697.00
Unexpended	$20,053.00

Contract Period:

To be completed on or before 6/1/56
Unexpended contract time - 7 months

Glenn G. Gentry
Mining Engineer


YUBA DIKE MINES, INC.
LINCOLN COUNTY, NEVADA
DOCKET No. DMEA 3396-LEAD-ZINC
CONTRACT No. IDM-E 798
PLAN DRILL HOLES & CROSS CUT
Scale 1" = 20'
N
15300 E
15000 N
TO SHAFT
SPAD
FRACTURED QUARTZITES
QUARTZITE
FAULT
YUBA DIKE PORPHYRY
QUARTZITE AND SHALE
DDH No. 2
DDH No. 1
BM 1755
1755A
BM 1754
67°
73°
75°
14W
80°
80°
78°

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

Budget Bureau No. 42-R1036.5

ACCOUNTS NOV 2 1955

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

Month of September, 1955 Docket No. DMEA 3396 Contract No. IDM-U 798
Operator's Name Yuba Dike Mines, Inc. Minerals Lead-Zinc
Address Pioche, Nevada
Contract Amount, $ 21,750.00 Government Participation 50 % Amount, $ 10,875.00

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:						12/1/55 J.W.C.
Drilling	0.00	1015.00 ~~1031.00~~	1015.00 ~~1031.00~~	1/3/56		
Bulldozing						
Crosscutting	666.00	0.00	666.00			
Drifting						
Assaying		16.00	16.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	666.00	1031.00	1697.00			

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Oct. 20, 1955 *Payee Yuba Dike Mines, Inc.
Per [signature] Title President

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

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

(Instructions on reverse)

RECEIVED NOV 14 1955

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

$ 333.00

Lloyd H. Spencer
Authorized Certifying Officer

Signature
(Authorized Certifying Officer)

Date NOV 4 1955 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-E798 in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

NOV 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1955 Docket No. DMEA 3396 Contract No. IDM-E 798
Operator's Name Yuba Dike Mines, Inc. Minerals Lead-Zinc
Address Pioche, Nevada

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	1Ft.	666.00	18	666.00	18	37.00	150	5500.00
Raising								
Shafts								
Winzes								
Drilling: Core	1Ft.			~~1031.00~~ 1015.00	145	7.00	400	28000.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying				16.00			50	100.00
TOTAL DISTRIBUTED COSTS		666.00		1697.00				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								21,750.00
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		666.00		1697.00				

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

Date Oct. 20, 1955 Operator Yuba Dike Mines Inc

Per [signature] Title President

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

REMARKS:

(Instructions on reverse)

(For Government use only)

[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 872894

YUBA DIKE MINES INC.
Pioche, Nevada

Subject: Yuba Dike Mines Inc. - Narrative - September 1955

Date: October 16, 1955

To: J. A. Hedman, President, Yuba Dike Mines Inc.

From: O. E. Schrader

Docket No. DMEA-3396

Dear John:

During the month of September 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 800 Level

Under Stage II of said contract a cross cut was started to the southeast to cross cut the Yuba Dike as found in diamond drill holes No.1 and 2.

Under consultation with Mr. Glen Gentry we decided to begin the cross cut at the approximate position of the collar of drill hole No. 1. Cross cut to be driven parallel with said hole.

During September this cross cut was started and advanced for a distance of 18.0 ft. Diamond drill hole No. 1 was followed and position of hole has been approximately 18 inches inside the west side of drift for entire advance.

All advance was in quartzite, as expected from log of diamond drill hole No. 1

Distribution of costs for September 1955 follows:

Stage I

None.

Stage II

Cross cut to southeast - 18.0 ft @ $37.00	$666.00
Total	$666.00
DMEA participation @ 50%	$333.00

Very truly yours,

O. E. Schrader

O. E. Schrader
Mine Engineer

A-103

REFERENCES

YUBA DIKE MINES INC.

800 Level No. 1 Mine

Docket No. D.M.E.A.-3396

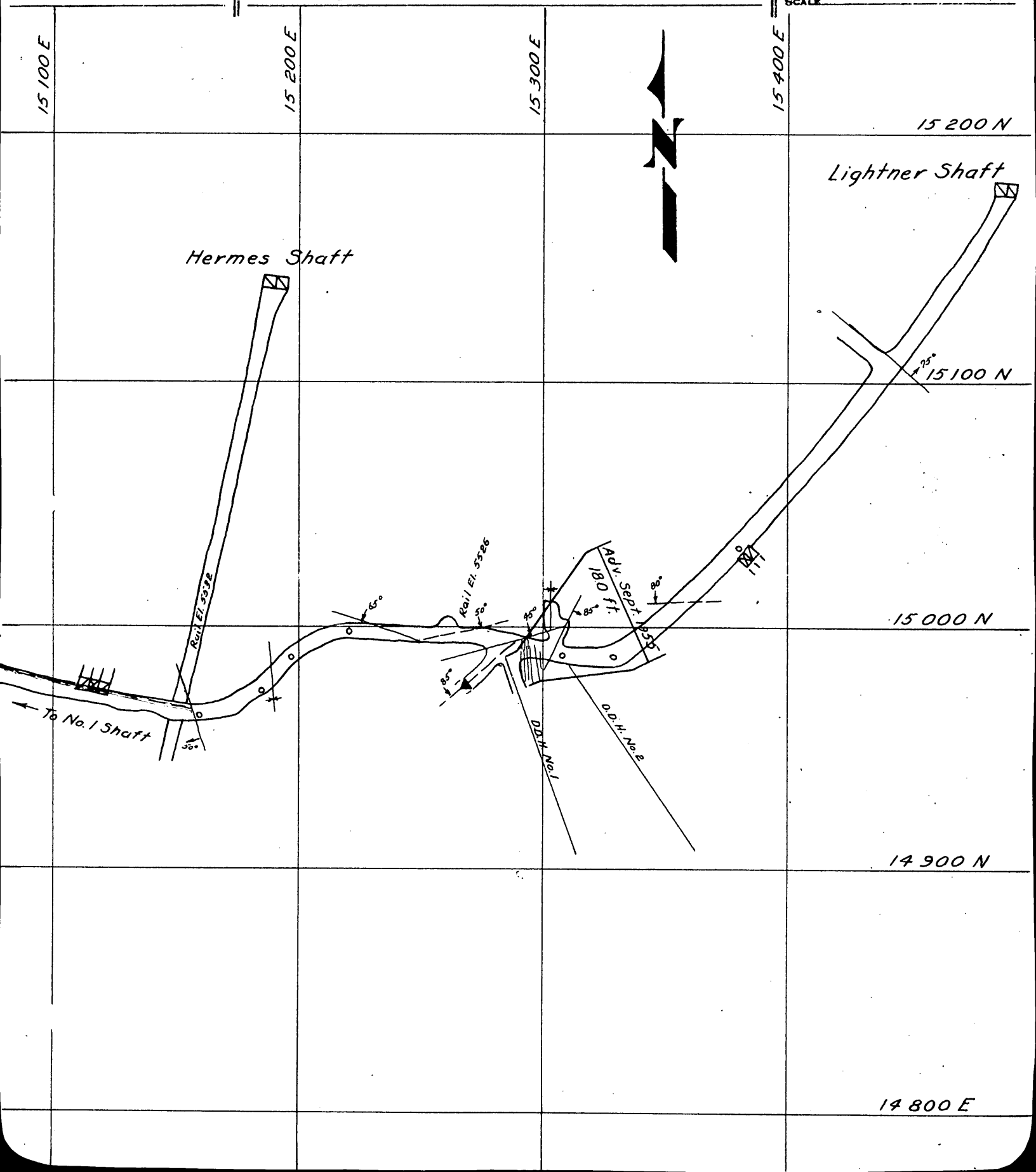
October 16, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'



RECEIVED
OCT 12 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

10/10/55

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- 3396

Contract No. Idm-E 798

Commodity Lead-zinc

Operator Yuba Dike Mines, Inc.

Property Yuba Dike Mine, Lincoln Co., Nev.

By R. W. Osterstock, USGS

Dated 10/3/55

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)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Mineral Deposits Branch
4 Homewood Place
Menlo Park, California

October 5, 1955

Memorandum

To: DMEA Field Team, Region II

From: R. W. Osterstock, Geologist, U. S. Geological Survey

Subject: Interim report, DMEA-3396, Contract Idm-E798 (lead-zinc), Yuba Dike Mines, Inc., Yuba Dike mine, Lincoln Co., Nev.

The subject property was inspected on September 15, 1955 by R. W. Osterstock, U. S. Geological Survey, and G. G. Gentry, U. S. Bureau of Mines. Mr. J. A. Hedman and A. Lloyd, officers of the company, accompanied the examiners in the field.

Work on the project began in August 1955. Diamond drill hole No. 1 was drilled flat S. 10 E. for 52 feet and DDH No. 2 was drilled flat S. 35 E. for 93 feet. The purpose of these holes was to establish the position of the Yuba Dike, the walls of which constitute the primary target of this exploration program.

Mr. Hedman informed the examiners that crosscutting operations would begin on or about September 16. The initial work will follow DDH No. 1 to and through the Yuba Dike.

Briefly, the logs of the drill holes are as follows:

<u>DDH No. 1</u> - S. 10 E., flat, 52 feet.

0 -	19	Prospect Mountain quartzite
19 -	46.3	Yuba Dike
46.3-	52	Prospect Mountain quartzite

Core is generally broken, shows some scattered patches of bleaching and alteration in the less pure quartzite, iron oxide stain is common, some Mn stain, few oxidized pyrite crystals. Panning of sludge reveals sparse lead sulfide.

DDH No. 2 - S. 35 E., flat, 93 feet.

0 -	11	Prospect Mountain quartzite
11 -	75	Yuba Dike
75 -	91.8	Prospect Mountain quartzite
91.8-	93	Green shale (unit in quartzite)

Entire core broken and shows some bleaching and alteration of the feldspars in the dike, pyrite as fine and coarse grains is fairly well distributed throughout the dike. From 11-23 the dike shows extreme alteration; from 47.5-52.5 there is a highly pyritic zone. Panning of sludge reveals sparse lead and zinc sulfides.

Sludge samples from both diamond drill holes were collected by G. G. Gentry for assay; results of this sampling will be included in the next interim report.

The accompanying sketch map illustrates the position of the Yuba dike as noted in the two drill holes. It is interesting to note the apparent widening of the dike to the east; very likely this thickening is a local feature inasmuch as the dike has been traced over a considerable strike length with little variation in width except for a distinct thickening with depth.

Distribution:
- DMRA (4)
- USBM (2)
- Outcrstock
- File

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
9/23/55

Alt
Betty

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-3396
798

Contract No. Idm-E

Commodity Lead-zinc

Operator Yuba Dike Mines, Inc.

Property Yuba Dike mine, Lincoln Co., Nev.

By Glenn G. Gentry

Dated 9/22/55

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

Attachments 4

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

INTERIM REPORT

RECEIVED
SEP 26 1955

Docket No.: DMEA-3396 (Lead-zinc) Sept. 22, 1955

Name and address of operator: Yuba Dike Mines, Inc.
John A. Hedman, Pres.,
Pioche, Nevada

Name and location of property: Yuba Dike mine
(No. 1 shaft)
Pioche, Lincoln County, Nevada

Contract No.: Idm-E798

SUMMARY

Accompanied by Messrs John A. Hedman, Alexander Lloyd, representatives of the mining company and R. W. Osterstock of the U. S. Geological Survey, the Yuba Dike mine was inspected on Sept. 12 and 15.

The diamond drilling has been completed, and crosscutting along the course of drill hole No. 1 was expected to begin on Sept. 16. The operator submitted the following:

Log of drill hole No. 2

Date Started: August 15, 1955
Date Completed: August 20, 1955
Depth of hole: 93 feet
Course: S. 35° E.
Inclination: +5°
Coordinates: N 14,985
E 15,340

0 - 11.7 feet - Fine grained, highly fractured quartzite. Iron oxide stained fractures.

11.7 - 85.5 feet - Porphyry, possible Yuba Dike. Alternating small iron oxide filled stringers or fractures.

Feet From	To	
85.5	92.0	Massive grained quartzite, iron stained.
92.0	93.0	Shale; possible small shale band in the quartzite.

WORK COMPLETED

Diamond drill hole No. 1	52.0 feet
Diamond drill hole No. 2	93.0 feet
Total	145.0 feet
Diamond drilling approved	400 feet
Unused drilling	255 feet

Sludge samples from drill hole No. 1, analyzed by the U. S. Bureau of Mines laboratory, Reno, Nevada, gave the following results:

BM No.	Depth, feet	%, Pb	%, Zn	Ounces/Ton Au	Ounces/Ton Ag	Operators Analyses %, Pb	Operators Analyses %, Zn
1670	10.0 - 14.7	0.2	*0.1	Trace	0.40	0.5	0.5
1671	14.7 - 21.5	0.4	*0.1	Trace	0.60	0.4	0.45
1672	21.5 - 26.5	*0.1	*0.1	Trace	Trace	0.5	0.5
1673	26.5 - 32.9	*0.1	*0.1	Trace	Trace	0.5	0.5
1674	32.9 - 38.5	*0.1	*0.1	Trace	Trace	0.5	0.5
1675	38.5 - 42.5	0.1	*0.1	Trace	Trace	0.4	0.6
1676	42.5 - 46.3	*0.1	*0.1	Trace	Trace	0.4	0.5
1677	46.3 - 52.0	0.1	*0.1	Trace	Trace	0.5	0.5

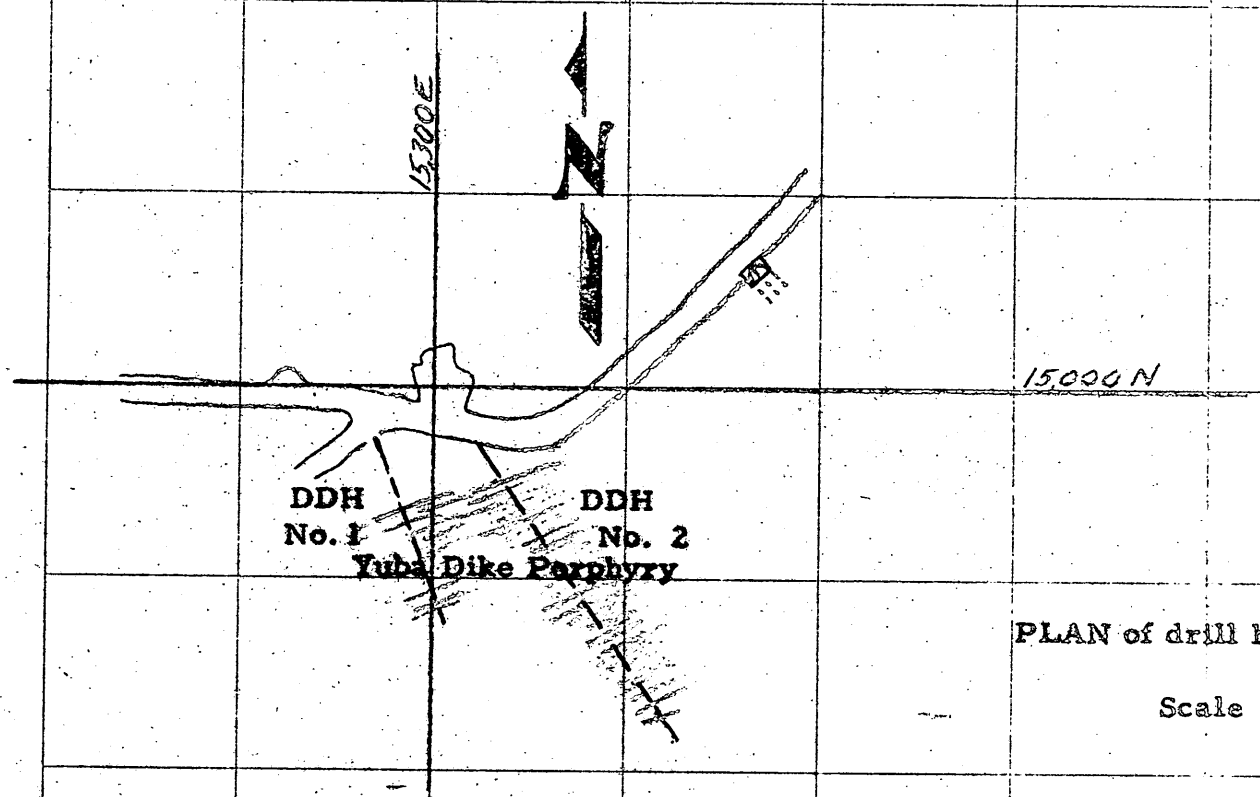
*=Less than.

The analyses of sludge samples from drill hole No. 2 will be submitted in the next interim report.

Financial:		
	Amount of contract	$21,750
	Expenditures to 8/31	1,031
	Unexpended	$20,719

Contract period: To be completed on or before 6/1/56
Unexpended contract time 8-1/2 months

Glenn G. Gentry
Mining Engineer



PLAN of drill holes on 800-level

Scale 1" = 50'

YUBA DIKE MINES, INC.
Pioche, Lincoln County, Nevada
Docket No. DMEA-3396 (Lead-zinc)
Contract No. Idm-E798

"ALDANENE" No. 198M K&E CO., N.Y.
REG. U.S. PAT. OFF.

RECEIVED
SEP 26 1955

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

Budget Bureau No. 42-R1036.5

RECEIVED
SEP 26 1955

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

Month of AUGUST, 1955 Docket No. DMEA-3396 Contract No. IDM-E 790
Operator's Name YUBA DIKE MINES INCORPORATED Minerals Lead & Zinc
Address PIOCHE, NEVADA
Contract Amount, $ 21,750.00 Government Participation: 50% Amount, $ 10,875.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						9/28/55 J.W.C.
Drilling	$ 1015.00	0	$ 1015.00	9/30/55		
Bulldozing						
Crosscutting						
Drifting						
Assaying	16.00	0	16.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$ 1031.00	0	$ 1031.00			

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

Date 9-14-55 *Payee YUBA DIKE MINES INCORPORATED

Per [signature] Title President

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

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

(Instructions on reverse)

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

$ 515.50

Signature
(Authorized Certifying Officer)

Date Vou. No. 3F 10m CA-12

(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-E798 in accordance with the terms of the contract.

Signature Glenn G. Gentry Title Mining Engineer Date 9/19/55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature S. Ricker Title Executive Officer DMEA Field Team Region II Date 9/19/55

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

OPERATOR'S UNIT COST AND PROGRESS REPORT

RECEIVED SEP 26 1955

Month of AUGUST 195 Docket No. DMEA 3396 Contract No. IDM-E 790
Operator's Name YUBA DIKE MINES INCORPORATED Minerals Lead & Zinc
Address PIOCHE, NEVADA

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	$7.00	1015.00	145	1015.00	145	$7.00	400	2800.00
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Assaying		16.00		16.00			50	100.00
Total Distributed Costs		1031.00		1031.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
								21,750.00
Total Costs		1031.00		1031.00				

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 9-14-55 Operator YUBA DIKE MINES INCORPORATED

Per [signature] Title President

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

(Instructions on reverse)

(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

YUBA DIKE MINES INCORPORATED
Fiesta, Nevada

RECEIVED
SEP 26 1955

Subject: Yuba Dike Mines Inc. - Narrative - August 1955

Date: September 1, 1955

To: J. A. Hedman, President Yuba Dike Mines Inc.

From: O. E. Schrader

Docket No. DMRA-3595

Dear John:

During the month of August 1955, progress under the Exploration Project Contract with the Defense Minerals Administration was as follows:

No. 1 Mine 500 Level

Core drilling operations commenced on August 10th with the drilling of diamond drill hole #1. Quartzite was drilled to 19.5 ft. at which depth porphyry was encountered and continued to a depth of 47.0 ft. This porphyry is possible "Yuba Dike". Hole was continued to a depth of 52.0 ft. at which point hole was stopped. Footage from 47.0 ft. to 52.0 ft. was quartzite. Eight sludge samples were assayed at suggestion of Mr. Glen Gentry. Complete log and assays will be found on map No. A-101, appended.

Core drilling was started at diamond drill hole #2 location on August 18th, and discontinued on August 20th, after reaching a depth of 93.0 ft. Quartzite was drilled to a depth of 11.7 ft. Porphyry, possible "Yuba Dike", was drilled from 11.7 to 85.5 ft. thence, quartzite was drilled to end of hole 93.0 ft. Sludge samples were not assayed as no commercial mineral was noted. Complete log of this hole will be found on map No. A-102, appended.

Distribution of costs for August, follows:

Stage I

Diamond Drill Hole No. 1 - 52.0 feet @ $7.00	$ 364.00
Diamond Drill Hole No. 2 - 93.0 feet @ $7.00	651.00
Eight samples @ $2.00 allowed under Stages I,II,III	16.00
Total	$1,031.00
DMRA participation @ 50%	$ 515.50

Very truly yours,

O. E. Schrader

O. E. Schrader
Mine Engineer

A-101

REFERENCES C-101

YUBA DIKE MINES INC.

Pioche, Nevada

Diamond Drill Hole No. 1

800 Level No. 1 Mine

Docket No. D.M.E.A. 3396

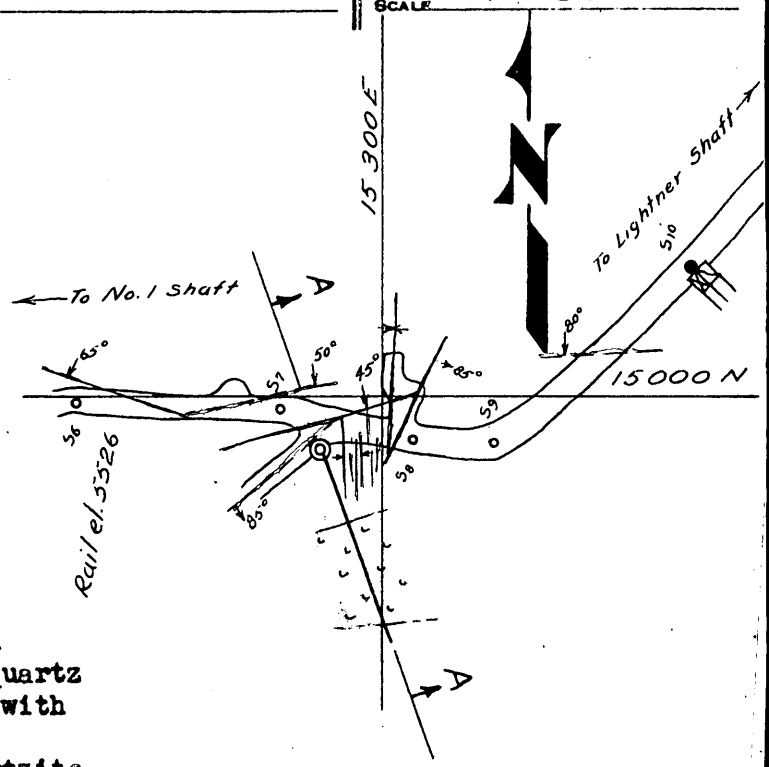
August 29, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

SCALE 1" = 50'



Coordinates: N - 14,986
E - 15,284
Elevation: 5,530
Direction: S 10° E
Inclination: Plus 5°
Depth: 52.0 ft.
Started: 8-10-55
Finished: 8-15-55
Driller: Howard Knighton

LOG OF HOLE

0.0 - 8.0 Highly fractured fine grained quartzite, some small white quartz stringers. Fractures filled with Fe oxide.

8.0 - 17.0 Fine grained, fractured, quartzite. Fe oxide stained fractures.

17.0 - 19.5 Crushed quartzite and porphyry gouge.

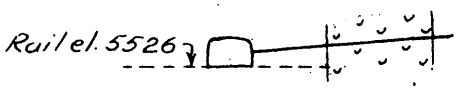
19.5 - 47.0 Porphyry, several Fe oxide filled stringers noted. Possible Yuba Dike.

47.0 - 52.0 Massive grained quartzite, brecciated, Fe stained.

52.0 End of hole.

Assays of Sludge Samples Taken

From	To	Au	Ag	Pb	Zn
10.0	14.7	Tr.	.20	.50	.50
14.7	21.5	Tr.	.15	.40	.50
21.5	26.5	Tr.	Tr.	.50	.50
26.5	32.9	Tr.	Tr.	.50	.50
32.9	38.5	Tr.	Tr.	.50	.50
38.5	42.5	Tr.	Tr.	.40	.60
42.5	46.3	Tr.	.10	.40	.50
46.3	52.0	Tr.	Tr.	.50	.50



Section A-A

A-102

REFERENCES C-101

YUBA DIKE MINES INC.

Pioche, Nevada

Diamond Drill Hole No.2

800 Level No.1 Mine

Docket No. D.M.E.A.-3396

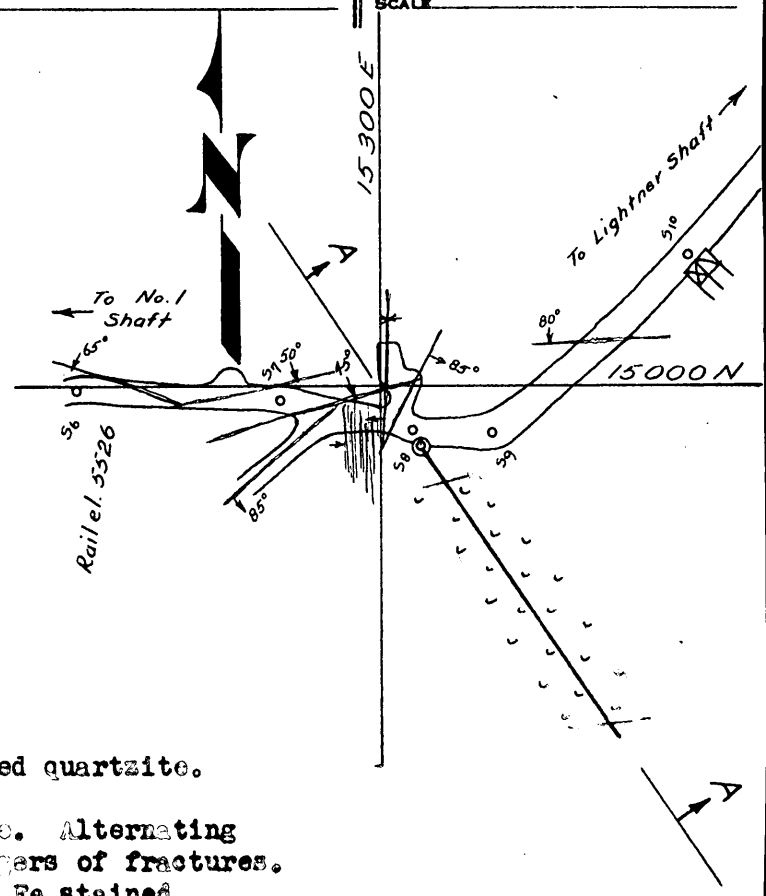
August 29, 1955

MADE BY Schrader

TRACED BY

CHECKED BY

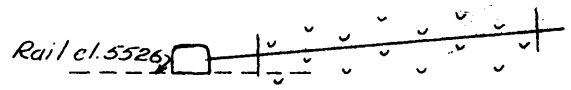
SCALE 1"=50'



Coordinates: N - 14,985
E - 15,310
Elevation: 5,530
Direction: S 35° E
Inclination: Plus 5°
Depth: 93.0 ft.
Started: 8-13-55
Finished: 8-20-55
Driller: Howard Knighton

LOG OF HOLE

0.0 - 11.7	Fine grained highly fractured quartzite. Fe oxide stained fractures.
11.7 - 85.5	Porphyry, possible Yuba Dike. Alternating small Fe oxide filled stringers of fractures.
85.5 - 92.0	Massive grained quartzite. Fe stained.
92.0 - 93.0	Shale. Possible small shale band in the quartzite.
93.0	End of hole.



Section A-A

Assaying was not warrented in this hole as no mineral of any value was noted.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP - 1 1955

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

8/30/55

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- 3396

Contract No. Idm-E 798

Commodity Lead-zinc

Operator Yuba Dike Mines, Inc.

Property YUBA DIKE MINE (No. 1 Shaft)
Lincoln County, Nevada

By Glenn G. Gentry

Dated 8/29/55

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

Attachments 4

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

INTERIM REPORT

RECEIVED
SEP - 1 1955

Docket No.: DMEA-3396 (Lead-zinc) August 29, 1955

Name and address of operator: Yuba Dike Mines, Inc.
John A. Hedman, Pres.
Pioche, Nevada

Name and location of property: Yuba Dike Mine
(No. 1 Shaft)
Pioche, Lincoln County, Nev.

Contract No.: Idm-E798

SUMMARY

Accompanied by Messrs. John A Hedman and Alexander Lloyd, the Yuba Dike mine was visited on August 12 and 16, 1955. The operator has secured a diamond drilling contractor (Mr. Howard H. Knighten) with adequate equipment, who is conducting the drilling on a contract basis at $5.00 per foot.

WORK COMPLETED

Diamond drill hole No. 1 was started on August 10 and completed on August 13, 1955.

Depth of hole: 52 feet
Course: S. 10° E.; inclination +5°
Core recovery: Estimated at 85 percent

Sludge samples were also secured and the operator has submitted the following analyses of these sludges:

Depth, feet	%, Pb	%, Zn	Ounces/Ton Au	Ounces/Ton Ag
10 - 14.7	0.5	0.5	Trace	0.2
14.7 - 21.5	0.4	0.45	"	1.5
21.5 - 26.5	0.5	0.5	"	Trace
26.5 - 32.9	0.5	0.5	"	"
32.9 - 38.5	0.5	0.5	"	"
38.5 - 42.5	0.4	0.6	"	"
42.5 - 46.3	0.4	0.5	"	1.0
46.3 - 52.0	0.5	0.5	"	Trace

The drill hole encountered iron-stained quartzite for the first 19 feet at which point the Yuba Dike porphyry was encountered and continued for a distance of approximately 21 feet. Quartzite was then entered and continued to the bottom of the hole. The sludges contained a larger quantity of iron sulphides than was noted in the drill core. The sludges were carefully panned, indicating the following log:

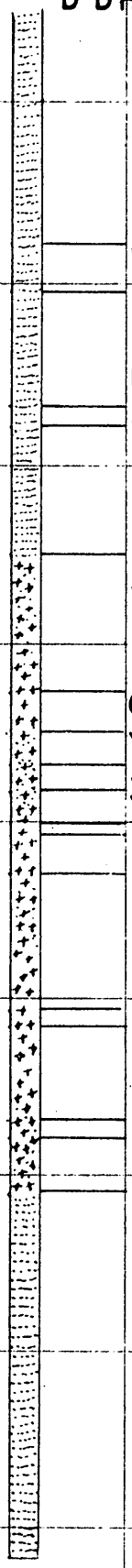
10.0 - 14.7	Very heavy iron sulphides
14.7 - 21.5	Heavy " "
21.5 - 26.5	Moderate " "
26.5 - 32.9	Heavy " "
32.9 - 38.5	" " "
38.5 - 42.5	Small amount " "
42.5 - 46.3	Very light " "
46.3 - 52.0	Very heavy " "

Diamond drill hole No. 2 was started on August 16, 1955 at approximately 29 feet east of diamond drill hole No. 1. The course of the drill hole is S. 35° E., inclined at +5°. From the collar to a depth of 12 feet, the hole was drilled through iron stained quartzites and at this depth the Yuba Dike porphyry was encountered. The drill hole has continued in this material to a depth of 27 feet, and should be completed about August 20, 1955. The log of this hole and other pertinent data will be submitted in the next interim report.

Glenn G. Gentry
Mining Engineer

COLLAR DDH NO.1 DEPTH 52'

STARTED 8-10-55



IRON STAINED QUARTZITES
NO MINERALIZATION

OXIDIZED-PORPHYRITIC MATERIAL-GOUGE-FAULT
LIGHT Fe SULPHIDES

IRON STAINED QUARTZITES
NO MINERALIZATION
IRON STAINED QUARTZITE-LIGHT SULPHIDES

MOSTLY LIGHT COLORED QUARTZITE
LIGHT IRON STAIN-LIGHT SULPHIDES

YUBA DIKE PORPHYRY-SOME Fe STAINS
FEW SPECS SULPHIDES

OXIDIZED- Mn, Fe STAINS-NO SULPHIDES NOTED
YUBA DIKE MATERIAL-HEAVILY Fe STAINED
SOME SULPHIDES and BLACK Mn
YUBA DIKE-LIGHT GRAY-MOTTLED
" IRON STAINED
" LIGHT GRAY
" SOME RED OXIDIZED MATERIAL
Mn STAINS LIGHT SULPHIDES

COURSE S 10°E
INCLINED +5°

"
" LIGHT GRAY-MOTTLED
" " SOME SULPHIDES NOTED

IRON STAINED QUARTZITES

FEW SPECS Fe SULPHIDES

COMPLETED 8-13-55

BOTTOM OF HOLE

YUBA DIKE MINES, INC.
LINCOLN COUNTY, NEVADA
DOCKET No. DMEA 3396
CONTRACT No. IDM-E798
SCALE 1" = 6'

"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF.

RECEIVED
SEP - 1 1955

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 Betty

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- 3396

Contract No. Idm-E 798

Commodity Lead-zinc

Operator Yuba Dike Mines, Inc.

Property Yuba Dike Mine
Lincoln Co., Nev.

By Glenn G. Gentry

Dated 7/8/55

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

Attachments 4

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

RECEIVED
JUL 2 1 1955

INTERIM REPORT

Docket No.: DMEA-3396 - Lead-zinc July 8, 1955

Name and address of operator: Yuba Dike Mines, Inc.
John A. Hedman, President
Pioche, Nevada

Name and location of property: Yuba Dike Mine
(No. 1 Shaft)
Pioche, Lincoln County, Nevada

Contract No.: Idm-E798

SUMMARY

The writer visited the office of the Yuba Dike Mines, Inc., on June 28 and 29, 1955 and conferred with Mr. John A. Hedman, president and Mr. Alexander Lloyd, secretary and treasurer. The exploration contract was signed by the above operator at 5:00 p.m. on June 29. Mr. Hedman expects to employ a competent mining engineer to supervise the project and will begin actual operations on or before August 15, 1955.

Glenn G. Gentry
Mining Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Alt Betty

Office of
Executive Officer
DMEA Field Team
Region II

1605 Evans Avenue
Reno, Nevada

June 14, 1955

RECEIVED
JUN 16 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- 3396

Contract No. Idm-E 798

Commodity Lead-zinc

Operator Yuba Dike Mines, Inc.

Property Yuba Dike Mine

By Glenn G. Gentry

Dated June 14, 1955

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

Attachments 4

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

INTERIM REPORT

RECEIVED
JUN 16 1955

Docket No.: DMEA-3396 (Lead-zinc) June 14, 1955

Name and address of operator: Yuba Dike Mines, Inc.
John A Hedman, President
Pioche, Nevada

Name and location of property: Yuba Dike Mine
(No. 1 Shaft)
Pioche, Lincoln County, Nevada

Contract No.: Idm-E798

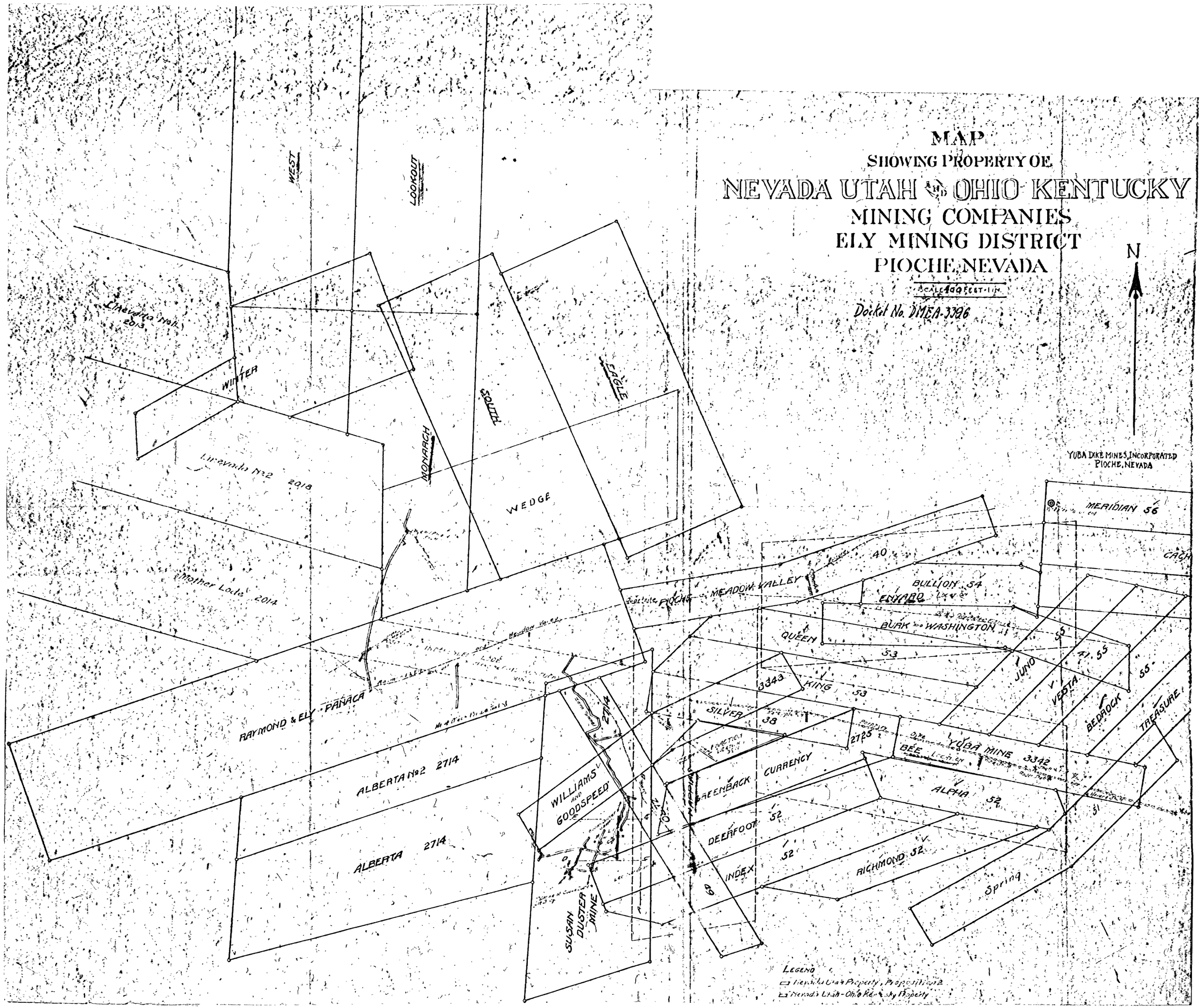
STATUS OF CONTRACT

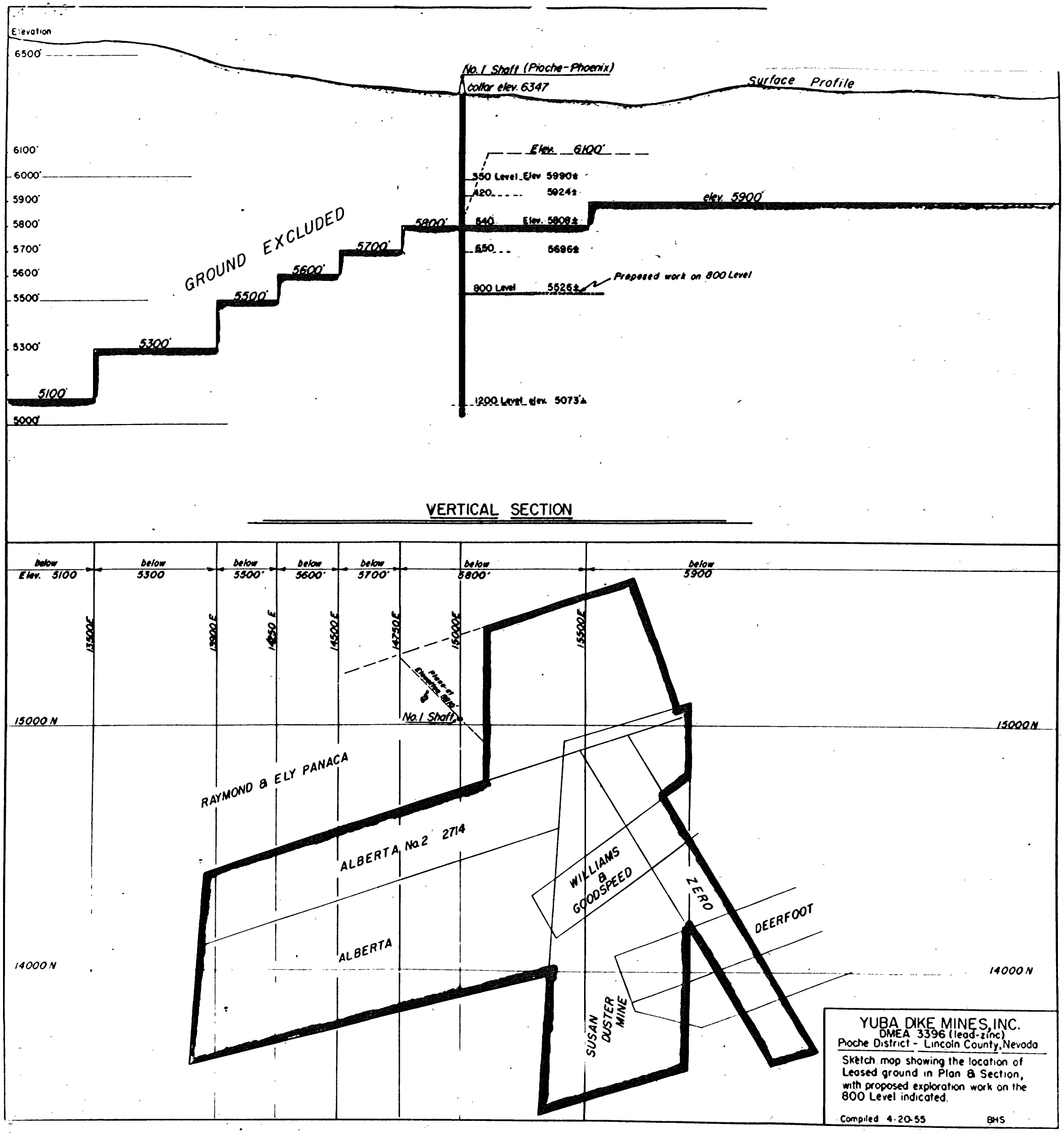
This exploration contract, dated May 17, 1955 and signed by the Administrator of DMEA, has not as yet been forwarded to the operator for signature as "Owners Consent to Lien" from the Combined Metals Reduction Company have not been received in this office.

On May 20, 1955, "Owners Consent to Lien" forms were mailed to Mr. John A. Hedman at his Pioche, Nevada address and on June 2, 1955 this matter was discussed with Mr. Alexander Lloyd, a director of the Yuba Dike Mining Company, in his residence in Pioche, Nev. Mr. Hedman was not in Nevada at the time and therefore was not available for consultation.

Mr. Lloyd stated that the "Owners Consent to Lien" forms had been forwarded by Mr. Hedman to the Combined Metals Reduction Co., and that the necessary signatures were expected to be obtained in the near future.

Glenn G. Bentry
Mining Engineer


MAP
SHOWING PROPERTY OF
NEVADA UTAH AND OHIO KENTUCKY
MINING COMPANIES
ELY MINING DISTRICT
PIOCHE, NEVADA
SCALE 100 FEET - 1 IN.
Docket No. DMEA-3396
N
YUBA DIKE MINES, INCORPORATED
PIOCHE, NEVADA
WEST
LOOKOUT
Lin Nevada Nº1 2013
WINTER
Lin Nevada Nº2 2018
MONARCH
SOUTH
EAGLE
WEDGE
Mother Lode 2014
MERIDIAN 56
CACH
40
BULLION 54
ELKARO
PIOCHE MEADOW VALLEY
BURK AND WASHINGTON
QUEEN
53
55
41, 55
JUNO
VESTA
BEDROCK
55
TREASURE
3343
KING 53
SILVER 38
2725
YUBA MINE 3342
BEE
RAYMOND & ELY - PANACA
ALBERTA Nº2 2714
ALBERTA 2714
WILLIAMS AND GOODSPEED
2714
GREENBACK
CURRENCY
ALPHA 52
51
DEERFOOT 52
INDEX 52
RICHMOND 52
Spring
49
SUSAN DUSTER MINE
LEGEND
Nevada Utah Property, Proposition 2
Nevada Utah-Ohio Kentucky Property


Elevation
6500'
6100'
6000'
5900'
5800'
5700'
5600'
5500'
5300'
5100'
5000'
No. 1 Shaft (Pioche-Phoenix)
collar elev. 6347
Surface Profile
Elev. 6100'
350 Level Elev 5990±
420 5924±
540 Elev. 5808±
650 5696±
800 Level 5526±
Proposed work on 800 Level
1200 Level elev. 5073'±
elev. 5900'
5800'
5700'
5600'
5500'
5300'
5100'
GROUND EXCLUDED
VERTICAL SECTION
below Elev. 5100
below 5300
below 5500'
below 5600'
below 5700'
below 5800'
below 5900
13500E
13900E
14250E
14500E
14750E
15000E
15500E
Plane of Section 8-8
No. 1 Shaft
15000 N
14000 N
RAYMOND & ELY PANACA
ALBERTA No. 2 2714
ALBERTA
WILLIAMS & GOODSPEED
ZERO
DEERFOOT
SUSAN DUSTER MINE
YUBA DIKE MINES, INC.
DMEA 3396 (lead-zinc)
Pioche District - Lincoln County, Nevada
Sketch map showing the location of Leased ground in Plan & Section, with proposed exploration work on the 800 Level indicated.
Compiled 4-20-55
BHS