UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (or cancelled) without certification. DMEA No. 433

This is the official contract file containing all official records of the project. Duplicate material has been removed. The records contained in the files are checked and are arranged in this manner:

Left Side

- ✓ Certificate of Audit (Final).
- Interim Audit(s).
- Report of Review.
- ✓ Closing Letter
- Termination Notice or Agreement.
- Recision Notice.
- Assignment of Contract.
- ✓ Contract Amendments (latest on top).
- ✓ Contract with all exhibits and annexes.
- Owner's Consent to Lien.
- Subordination Agreement.
- ✓ Leases and assignments of leases.
- ✓ Application and attachments.
- ✓ Schedule of Collections.
- ✓ Operator's monthly reports and all attachments (latest on top).

Right Side

- ✓ Project summary.
- ✓ Work completed analysis.
- All other material is filed in chronological order with correspondence including the following reports as checked:
- ✓ Final Field Team Report. (Tab)
- ✓ Operator's Final Report.
- ✓ Interim Reports.
- ✓ On-site Exam Report(s). (Tab)
- Settlement Sheets.

If additional folders are required because of volume of records, show folder numbers and contents below:

Maps in folder number _____

Operator's Monthly Reports in folder number _____

swb 1/22/57
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

AUDIT CERTIFICATE

I have examined the records and transactions of:

Mr. Frank B. Keever
Baxter, Placer County
California

pertaining to Exploration Project Contract No. Idm-E282, Docket No. DMA-433X, including Amendments No. 1, 2, and 3, for the period April 4, 1952 to October 31, 1952, covering a project for the exploration of lead and zinc, located in Lander County, Nevada, commonly known as the Bentley Mine.

My examination was made in accordance with generally accepted standards applicable in the circumstances.

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

Total cost as billed by the contractor	$19,752.50
Less: Proceeds from property disposition	200.00
Net billed cost	$19,552.50
Exceptions: (See Audit Report for details)	
By DMEA Finance Officer	21.00
Total Accepted Cost	$19,531.50

The contract calls for a 50 per cent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Nine Thousand Seven Hundred Sixty Five and 75/100 Dollars

$9,765.75

is valid and proper.

This certificate is issued on the provision that 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 Mavor
George Mavor
Auditor

March 19, 1954

I INTRODUCTION

On April 16, 1953, a final audit (covering the period April 4, 1952 to October 31, 1952) was made of the records and accounts pertaining to Exploration Project Contract No. Idm-E282, Docket No. DMEA-433X, including Amendments No. 1, 2 and 3 with:

Mr. Frank E. Keever
Baxter, Placer County
California

covering a project for the exploration of lead and zinc, located in Lander County, Nevada, commonly known as the Bentley Mine.

The accounting records under this contract are located in the home of Ray Jepperson, Superintendent, at a small community known as Copper Basin, approximately eight (8) miles southwest of Battle Mountain, Nevada.

During the course of the audit Ray Jepperson, Superintendent was present and his cooperation and assistance greatly facilitated the audit.

II GENERAL INFORMATION ON RECORDS

The accounting records were adequate to properly account for the expenditures made for the exploration project. The operator did not maintain any general ledger; however, the voucher files, payroll records and cancelled bank checks were sufficient to conduct a satisfactory audit.

The MF-10h was prepared by Ray Jepperson, Superintendent, and had all of the necessary documents attached. These documents were either the original invoices or certified true copies, together with certified copies of the payrolls. The operator maintained folders by months in which documents supporting the DMEA claims were filed. The operator also had in his possession all cancelled bank checks as further evidence of payment.

III SCOPE OF AUDIT AND FINDINGS

This being a final audit a complete analysis of all expenditures was made in order to ascertain the accuracy, propriety and validity of the costs as shown in the "Totals to Date" column of Form MF-10h, Operator's Monthly Report and Voucher, for the month of October 1952. The extent of the audit and the findings under each of the "Items of Cost" follows:

(2) Labor and Supervision $ 8,498.00

The payroll records for the period April 4, 1952 to October 31, 1952, were examined, together with cancelled payroll checks. The superintendent maintained a payroll record for each employee, which showed the gross earnings, hours worked, rate, payroll deductions and net amount of check. Payroll checks were issued on a semimonthly basis. The wage rates paid were in agreement with rates specified in contract.

The audit disclosed that the costs shown under this item on the October 1952 MF-104 as compared to the costs properly chargeable, and allowable, under the terms of the contract to be:

	Charged	Not Allowable	Allowable
Labor	$5,719.00	$21.00	$5,698.00
Supervision	2,800.00		2,800.00
Totals	$8,519.00	$21.00	$8,498.00

The labor disallowance of $21.00 was due to the October 1952 labor costs exceeding the maximum amount of labor allowed under the terms of the contract. This amount was deducted from costs by the Finance Officer when payment was made to operator, for the October 1952, MF-104.

(3) Operating Materials and Supplies $ 7,717.06

A complete examination was made of invoices charged to this category, which included the verification of footings and extensions, together with examination of cancelled bank checks. The project did not maintain any stores account, and all purchases were charged to the cost of the project. The type of material purchased together with amount received from sale of salvaged material is as follows:

	Purchased Cost	Sale of Material	Net Cost
Timber	$1,680.82	$	$1,680.82
Explosives	996.32		996.32
Pipe	988.65	150.00	838.65
Track	220.00	50.00	170.00
Gasoline & Oil	1,287.67		1,287.67
Steel & Bits	830.06		830.06
Miscellaneous	513.54		513.54
Truck Hauling Charge	1,400.00		1,400.00
Totals	$7,917.06	$200.00	$7,717.06

The miscellaneous material in amount of $513.54 included such items as saws, wrenches, pick-handles, nails and bolts. The truck hauling charge of $1,400.00 was for hauling material to mine site and paid at the rate of $200.00 per month to Ray Jepperson. The miscellaneous supplies and truck hauling charges are acceptable costs under the terms of the contract.

The property disposed of for $200.00 was comprised of the following items:

	Cost	Proceeds from Sale
500 ft. 2-inch galv. pipe	$334.45)	$
500 ft. 1-1/2 -inch galv. pipe	249.00)	150.00
200 ft. 3/4-inch pipe	70.00)	
2-3/4 tons 16# to 20# rail at $80.00 ton	220.00	50.00
Totals	$873.45	$200.00

After several efforts had been made to dispose of the above material without results, the operator submitted a bid of $200.00 which was accepted and waiver issued March 5, 1954, by H. C. Miller, Executive Officer.

(4) Operating Equipment $ 2,275.00

All charges for operating equipment were examined and rental invoices were reviewed, together with cancelled bank checks, and the equipment rental and depreciation rates, were verified to the rates allowed in the contract. The costs charged to the project were as follows:

Rental of Equipment	$ 2,100.00
Depreciation	175.00
Total	$ 2,275.00

The rental of equipment was made up of the following items:

Portable Air Compressor 7 mos. at $250.00	$1,750.00
Rock Drill Jackhammer 7 mos. at 35.00	245.00
Air Receiver & Connections 7 mos. at 15.00	105.00
Total "Allowable Maximum"	$2,100.00

The depreciation charges were as follows:

1 Double Drum Air Hoist with Cable	7 mos. at $20.00	$140.00
2 Mine Cars	7 mos. at 5.00	35.00
Total "Allowable Maximum"		$175.00

(6) New Buildings, Improvements, etc. -0-

The contract allowed $500.00 under this category, which was not used by the operator.

(7) Miscellaneous $ 711.44

A complete examination was made of all charges under this category, which included an inspection of invoices together with cancelled bank checks. The charges comprised the following items:

Repairs to Equipment	$283.06
Sampling and Analysis	115.00
Accounting Services	300.00
Office Supplies	13.38
Total	$711.44

The repairs to equipment, covered such equipment as ore cars, water tank and truck. The sampling and analysis was performed by three different assay offices at approximately $3.00 per sample. The accounting services were paid at the rate of $50.00 per month for the maintenance of project records and preparation of MF-104. The office supplies in amount of $13.38 were a necessary operating expense of the project.

There were no payroll taxes or compensation insurance premiums chargeable to the cost of this project. This unusual condition was brought about by the work being performed by a partnership who were considered individual owners of the property. In liew of payroll taxes, the individual owner paid a self-employment tax when filing Form 1040, U. S. Individual Income Tax Return.

Compensation insurance coverage is not required by the State of Nevada when the individuals concerned are owners of the property. The ownership of this property is discussed at length in this report, under Section IV Conclusions and Recommendations.

(8) Contingencies $ 330.00

The charges under this category consisted of the following items:

Tractor rent to plow snow and repair road - April 1952		$ 50.00
Rent - Water Pressure Tank	7 mos. at $15.00	105.00
Rent - Sinking Pump	7 mos. at 25.00	175.00
Total		$330.00

The tractor rent of $50.00 for clearing snow and road repairs was considered a necessary expense for the operation of the project. The water pressure tank rented for $105.00 was used to lay the dust formed during mining operations. The rent of $17500 for sinking pump was necessary due to unforeseen circumstances of striking water in the shaft. According to H. C. Miller, Executive Officer, the rental of the aforementioned equipment was necessary and the expenditures were made for the benefit of the Government in order to proceed with contract operations.

IV CONCLUSIONS AND RECOMMENDATIONS

This audit has disclosed that all costs, as charged to this project, with the exception of the disallowance itemized under item (2) Labor and Supervision of the preceding section of this report, are reasonable and proper under the terms of the contract.

The audit also disclosed that the status as of October 31, 1952, of "allowable maximums" under this contract was as follows:

Item	Allowable Maximum	Total Costs	Balance
Labor and Supervision	$8,498.00	$8,498.00	-0-
Operating Equipment			
Rental	2,100.00	2,100.00	-0-
Depreciation	175.00	175.00	-0-
Operating Supplies & Expenses	4,355.00	4,355.00	-0-
Fixtures and Improvements	500.00	-0-	$500.00

In Exhibit "A" of the contract the "allowable maximums" were listed under stage 1 and stage 2. However, the operator did not maintain cost records by stages, therefore, for audit report purposes the "allowable maximums" for stage 1 and 2, have been consolidated.

The "allowable maximum" for operating supplies and expenses can be accounted for as follows:

Exhibit "A" page 2, supplies listed as Equipment to be purchased	$1,305.00	
Less Amendment No. 3	400.00	$ 905.00
Exhibit "A" page 3, Supplies & Expanses		3,450.00
Total Operating Supplies & Expenses "Allowable Maximum"		$4,355.00

In addition to the above "allowable maximum" of $4,355.00 the contract showed on page 5, an additional estimated amount of $4,600.00 for Operating Supplies and Expenses which would give a total estimated cost of $8,955.00. The actual costs of Operating Supplies and Expenses amounted to $8,758.50 of which $4,355.00 was considered as an "allowable maximum."

Lease and Option To Purchase Bentley Mine

Under date of June 5, 1951 a Lease and Option Agreement was entered into, between Frank B. Keever, owner of the Bentley Mine and a Partnership comprised of Ray Jepperson, Glenn Jepperson and William Giese.

The agreement gave an option to purchase the property for $50,000.00 and payment to be made on a 10 percent Royalty basis from the proceeds of ore in the event of a discovery.

In view of this agreement the partnership became the owners and operators of the Bentley Mining properties. Mr. Ray Jepperson, a partner, was also superintendent of the project and all documents and records pertaining to the activities of the exploration project are in his possession.

Mr. H. C. Miller, Executive Officer, stated he was not aware of this agreement when contract was made with Frank B. Keever and as the project was completed during October 1952 and the agreement has since been cancelled, no further action will be taken, other than the record made hereof.

The adjustment between Items of Costs, as shown on the October 1952 MF-104, the recommended disallowances, and proceeds from disposition of property, and approved amounts are summarized as follows:

	Totals Oct. MF-104	Distribution Corrected	Disallowed by Audit	Proceeds Property Disposition	Allowed by Audit
(2) Labor and Supervision					
Labor	$5,719.00	$5,719.00	$21.00		$5,698.00
Supervision	2,800.00	2,800.00			2,800.00
Technical Services	300.00				
(3) Operating Materials and Supplies					
Timber	1,680.82	1,680.82			1,680.82
Explosives	996.32	996.32			996.32
Pipe	988.65	988.65		$150.00	838.65
Track	220.00	220.00		50.00	170.00
Gasoline and Oil		1,287.67			1,287.67
Steel and Bits		830.06			830.06
Miscellaneous	2,631.27	513.54			513.54
Truck Hauling Charge		1,400.00			1,400.00
(4) Operating Equipment					
Rental	2,100.00	2,100.00			2,100.00
Depreciation	175.00	175.00			175.00
(7) Miscellaneous					
Repairs to Equipment	283.06	283.06			283.06
Sampling & Analysis	115.00	115.00			115.00
Accounting Services		300.00			300.00
Office Supplies	13.38	13.38			13.38
Freight, Transportation	1,400.00				
(8) Contingencies					
Sinking Pump	175.00	175.00			175.00
Water Pressure Tank	105.00	105.00			105.00
Tractor Rent - Snow Removal	50.00	50.00			50.00
Totals	$19,752.50	$19,752.50	$21.00	$200.00	$19,531.50

At the conclusion of the audit, the findings were discussed with Mr. Ray Jepperson, Superintendent of the project.

George Mayor

George Mayor
Auditor

March 19, 1954

File Copy
Surname
J. W. Alt.
Gressmed
Talbert
Rubin
Selfridge
Jackson

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

MAY 17 1954

Mr. Frank B. Keever
P. O. Box 43
Baxter
Placer County, California

Re: Docket No. DMA-433 (Lead-Zinc)
Frank B. Keever
Bentley Mine
Lander County, Nevada
Contract No. Idm-E282

Dear Mr. Keever:

This is with reference to the subject exploration contract between you and the Government.

The final audit of the contract expenditures and the final reports of the Operator and Field Team have been received and accepted by this Administration. Of the total amount of $20,228.00 approved under the contract, $19,531.50 was expended, 50 per cent of which, or $9,765.75, represents the Government's share. All materials and supplies in which the Government had an equity or interest were disposed of prior to the final audit. The exploration work was completed in a satisfactory manner.

Because the results of the exploration were unfavorable, it is not our intention to make a certification of discovery or development which would create a lien against the subject property. We are, therefore, closing our books and records with respect to this project. Your attention is called, however, to Article 11 of the contract which requires the Operator to "keep and preserve said records and accounts for at least three years after completion of the project or the termination of this contract."

Your interest in the Exploration Program of the Defense Minerals Exploration Administration and your willingness to participate are appreciated.

JWAlt/
~~WRGriswold~~/bjl (5/13/54)

Sincerely yours,
C. O. Mittendorf
(for)

Administrator

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Kinkel
Mr. Bishop
Region III (2)
Chron.

R.C.G.

GOVERNMENT'S COPY

FRANK B. KEEVER
CONTRACT Idm-E282
DOCKET NO. DMEA-433X

AMENDMENT NO. 3

Contract Idm-E282, Docket No. DMEA-433X, dated March 31, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Mr. Frank B. Keever, is amended as follows, effective December 4, 1952:

In Exhibit "A", Stage I,

(1) Delete under the heading "Operating Equipment, to be purchased" the second item calling for the purchase of 1000 ft. 1" water pipe and fittings at $.40/ft. $400.00.

This will reduce the total cost of "Operating Equipment, to be purchased" from $1305.00 to $905.00, and,

(2) Add under the heading "Operating Equipment, to be rented" under Stage II (page 4, Exhibit "A" of the contract) the following:

Additional rental on 1 Portable Air Compressor at $100/mo. for 4 months $400.00.

This will increase the total cost of "Operating Equipment, to be rented" from $800.00 to $1200.00.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be obligated to pay, or the percentage of the costs which the Government may be obligated to pay, under the provisions of Article 13 of the contract form.

Dated December 4, 1952.

UNITED STATES OF AMERICA

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

By Frank B. Keever
Frank B. Keever, Operator

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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DEC 22 1952

AMENDMENT NO. 3

Docket No. DMEA 433X Mineral Lead-Zinc

Exploration Project Contract Idm-E 282

Date of Contract March 31, 1952

Date of Amendment December 4, 1952

Operator Frank B. Keever - Bentley Mine

JUSTIFICATION

Operator was allowed $250 a month rental for a portable air compressor under Stage I of his contract and $150 a month for 4 months under Stage II. The thought was that when Stage II work commenced the operator would rent a more economically sized compressor at $150 a month. As it was not possible to rent a smaller compressor, the Operator continued with the larger compressor, for which the rental was $250 a month. In order for the operator to be reimbursed for the $400 additional rental, this amendment was prepared.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952

FRANK B. KEEVER
CONTRACT Idm-E282
DOCKET NO. DMEA-433X

AMENDMENT NO. 2

Docket No. DMEA-433X, Contract Idm-E282, dated March 31, 1952, between the United States of America, acting through the Department of the Interior, DMEA, and Mr. Frank B. Keever, is amended as follows, effective October 15, 1952:

Date of completion of the contract advanced one month or to November 30, 1952.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum."

Dated October 15, 1952.

UNITED STATES OF AMERICA

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

By Frank B. Keever
Frank B. Keever

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
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SAN FRANCISCO, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
OCT 27 1952

DMEA

AMENDMENT NO. 2

Docket No. 433X Mineral Lead and Zinc

Exploration Project Contract Idm-E 282

Date of Contract March 31, 1952

Date of Amendment October 15, 1952

Operator Frank B. Keever, Baxter, California

JUSTIFICATION

Due to running into unexpected difficulties in sinking the winze under Stage II, and gassy conditions at the bottom of the winze, progress has been slowed down, necessitating a 30-day extension of the contract.

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

FRANK B. KEEVER
CONTRACT Idm-E282
DOCKET NO. DMEA-433X

AMENDMENT NO. 1

Contract Docket No. DMEA-433X, dated March 31, 1952, between the United States of America, acting through the Department of the Interior, DMEA, and Mr. Frank B. Keever, is amended as follows, effective September 12, 1952: In Exhibit "A," Stage II,

1. Delete the second item calling for the sinking of a 50-foot winze from the West Adit level at the most favorable location disclosed by the additional drifting on this level as provided in the work under Stage I of this project.

2. Change the first item to read as follows: Sink the existing 50-foot winze an additional 100 feet, the location of which winze is on the West Adit level, approximately 320 feet from the portal of the adit.

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum."

Dated September 12, 1952.

UNITED STATES OF AMERICA

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

By Frank B. Keever
Frank B. Keever

AMENDMENT NO. 1

Docket No. 433X Mineral Lead-Zinc

Exploration Project Contract Idm-E 282

Date of Contract March 31, 1952

Date of Amendment September 12, 1952

Operator Frank B. Keever

JUSTIFICATION

Drifting under the contract on the West Adit level failed to disclose commercial ore so that exploration at depth by sinking a 50-foot winze does not seem justified or advisable. The examining engineer concurred with the Operator's request for deleting the sinking of the winze from the contract and applying the 50 feet of sinking to extending the existing winze an additional 50 feet. However, before granting the petition, a U. S. Geological Survey geologist was asked to examine the property to determine if deeper exploration in the winze was warranted. The geologist reports that at the time of the examination the winze was down 68 feet below the adit level and that lead and zinc sulfide showings encountered at 62 feet continued to the bottom of the winze. Assays of samples taken by the Bureau of Mines show that the material is too low grade to ship. However, as the vein has been stoped almost continuously above the adit level for about 100 feet along the strike, the geologist is of the opinion that a substantial tonnage of ore may be found down the dip of the vein. He recommends that the additional 50 feet of sinking be applied to deepening the existing winze. Accordingly, this amendment has been prepared to permit doing so.

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

DEPARTMENT OF THE NAVY
Defense Nuclear Agency
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SEP 29 1982

MF-200
(June 1951)

DMEA-433X
Docket No. ~~XXX~~
Commodity Lead-Zinc

IdmE-282

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Government's Copy

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 2 1952

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 31st day of March, 1952 between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] Mr. Frank B. Keever
Baxter, Placer County
California

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Nevada, County of Lander described as follows: [3] the following unpatented mining claims; Mayflower, Redemption, sometimes called Bentley, Humbolt Auburn, Eureka, Lander and Copper Queen Extension No. 19, - Known as the Bentley Group, located in Section 30 T. 32 N., R. 44 E., Copper Basin Area, 8 miles southwest of Battle Mountain, Nevada.

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: (1) The applicant owns forty-nine-fiftieths (49/50) interest in the property, the remaining one fiftieth (1/50) is owned by L. F. Kengle and H. L. Rosenberry as an undivided interest and on which applicant has a five year lease.

3. *Exploration project.* The Operator, within Sixty (60) days from the date of this contract shall commence work on a project of exploration for [5] Lead and Zinc; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] Seven months (7) from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Any additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute currently its agreed pro rata share, are listed in Exhibit "A" attached hereto. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro rata share.

6. *Operating equipment.* Any operating equipment to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or depreciation, as the case may be, is listed under appropriate headings in Exhibit "A" attached hereto. As to equipment purchased for the project, the Government will contribute its agreed pro rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, and other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* An itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project is set forth in Exhibit "A" attached hereto.

9. *Rehabilitation and repairs.* A statement of the cost of any necessary rehabilitation or repairs to put existing facilities, buildings, installations, and fixtures into useful and operable condition and which are to be allowed as costs of the project is included in Exhibit "A."

10. *Allowable costs of the project.* The costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, analytical work, accounting, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in this contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, taxes, or any other indirect costs not expressly allowed by these provisions, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

12. *Progress reports.* The Operator shall provide the Government with monthly reports of work performed under the contract upon forms to be provided by the Government. Each monthly progress report shall bear the certification of the Operator and shall constitute the Operator's invoice of costs incurred on the project during the period covered by the report.

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 50 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $10,114.00, which is 50 percent of the agreed estimated total cost of this project, $20,228.00.

14. *Final reports by Operator.* Upon completion of the project or termination of this contract, the Operator shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

15. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter, shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent for each additional full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the mineral deposit which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

16. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

17. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in sextuplicate the day and year first above written.

Frank B. Keever
(Operator)

By Frank B. Keever

THE UNITED STATES OF AMERICA

By C. O. Mitteudorf
Acting Administrator
Defense Minerals Exploration
Administration

U. S. GOVERNMENT PRINTING OFFICE 16—64066-2

EXPLORATION PROJECT CONTRACT
FRANK B. KEEVER
BENTLY MINING CLAIMS
DOCKET NO. DMEA-433X

EXHIBIT "A"

Statement of the Work

The purpose of this project is to explore for lead and zinc by drifting on the northerly extension of a sulfide vein exposed near the face of the West Adit level, cleaning out an existing 50 ft. winze on the West Adit level and sinking this winze an additional 50 feet and sinking an additional 50 foot winze from the West Adit level at a favorable point in the northerly exploration drift.

The work is to be undertaken in two stages, I and II, more fully described hereinafter. If, in the opinion of the Government the exploration work under Stage I discloses evidence sufficiently favorable to warrant further exploration then Stage II is to be initiated.

The project shall not be continued beyond Stage I without the written approval of the Government. The direction of the drifting under Stage I and the location of the winze under Stage II are to be agreed upon by the Government and the Operator.

The following maps are attached hereto:

Figure 1 Index map Battle Mountain Mining District.

Figure 2 Plan map of adits showing sampling and proposed exploration.

Figure 3 Map of mining claims composing the project property and the general location on the Auburn Claim of the proposed work.

Stage I

Time Schedule: 3 months.

This stage consists of the following work:

Clean out, examine, and sample an existing 50 foot winze, the collar of which is on the West Adit level approximately 320 feet from the adit portal.

Advance the West Adit level drift in a Northerly direction not to exceed 100 lineal feet.

Estimate of Costs of Stage I

Fixtures and improvements			
Tool shed and store room		$ 400.00	
Water tank and installation		100.00	$ 500.00*
Operating Equipment			
To be rented			
Portable air compressor @ $250/mo. for 3 months		750.00	
Rock Drill-jackhammer @ $35/mo. for 3 months		105.00	
Air receiver and connections @ $15/mo. for 3 months		45.00	900.00*
To be purchased			
1000 ft. 2" air pipe and fittings @ $0.55/ft.		550.00	
1000 ft. 1" water pipe " " @ $.40/ft.		400.00	
3 Sets drill steel at $20 per set		60.00	
1 Set air and water hose with connections.		75.00	
Track and miscellaneous items		220.00	1,305.00*
To be furnished by Operator	Equipment Value	Monthly Depreciation Allowance	
1 Double Drum air hoist with cable	$1,200.00	$ 20.00*	
2 Mine Cars	300.00	5.00*	25.00*
Monthly allowance for use @ $25 for 3 months.			75.00*

Labor and Supervision 1/ 2/		
1 miner @ $14/day for 66 working days or 3 months	$ 924.00	
1 Hoistman @ $14/day for 22 working days or 1 month	308.00	
1 Trammer @ $13/day for 66 working days or 3 months	858.00	
1 Supervisor @ $400.00/mo. for 3 months 3/	1,200.00	$3,290.00*
Operating Supplies & Expenses		
Powder fuse, caps and carbide @ $200/mo. for 3 months	600.00	
Fuel Oil & lubricants @ $250/mo. for 3 months	750.00	
Jackbits, repairs & replacements @ $300/mo. for 3 months	900.00	
Freight & transportation @ $200/mo. for 3 months	600.00	
Miscellaneous @ $200/mo. for 3 months	600.00	$3,450.00*
Total Stage I		$9,520.00*

STAGE II

Time Schedule: 4 months.

This stage consists of the following work:

Sink the existing 50-foot winze an additional 50 feet, the location of which winze is on the West Adit level approximately 320 feet from the portal of the adit.

Sink a 50-foot winze from the West Adit level at the most favorable location disclosed by the additional drifting on this level as provided in the work under Stage I of this project.

1/ To include insurance and taxes.
2/ Wage rates are subject to overtime increase.
3/ Selection of the supervisor to be subject to the approval of the Government.

Estimate of Costs of Stage II

Operating Equipment		
To be rented		
1 Portable air compressor @ $150/mo. for 4 months	$ 600.00	
1 Rock Drill Jackhammer @ $35/mo. for 4 months	140.00	
1 Air Receiver @ $15/mo. for 4 months	60.00	$ 800.00*
To be furnished by Operator		
1 Double Driven air hoist	As provided under Stage I @ $25/mo. for 4 months	
2 Mine cars		100.00*
Labor and Supervision 4/ 5/		
1 miner @ $14/day for 88 working days or 4 months	1,232.00	
1 hoistman @ $14/day for 88 working days or 4 months	1,232.00	
1 trammer @ $13/day for 88 working days or 4 months	1,144.00	
1 Supervisor @ $400/mo. for 4 months	1,600.00	5,208.00*
Operating Supplies & Expenses		
Powder fuse, caps & carbide @ $200/mo. for 4 months	800.00	
Fuel Oil, lubricants @ $250/mo. for 4 months	1,000.00	
Jackbits, repairs & replacements @ $300/mo. for 4 months	1,200.00	

4/ To include insurance and taxes.
5/ Wage rates are subject to overtime increase.

Operating Supplies & Expenses (Cont'd)

Freight and transportation @ $200/mo. for 4 months	$ 800.00	
Miscellaneous @ $200/mo. for 4 months	800.00	$ 4,600.00
Total Stage II		$10,708.00
Total Cost of Project		$20,228.00

SUMMARY

Total Stage I	$ 9,520.00*
Total Stage II	10,708.00*
Total Cost of Project	$20,228.00*

* The maximum amount which may be considered an allowable cost of the project for the item or group of items to which the amount applies. Items not so marked may vary from the amounts shown so long as the starred items are not thereby increased.

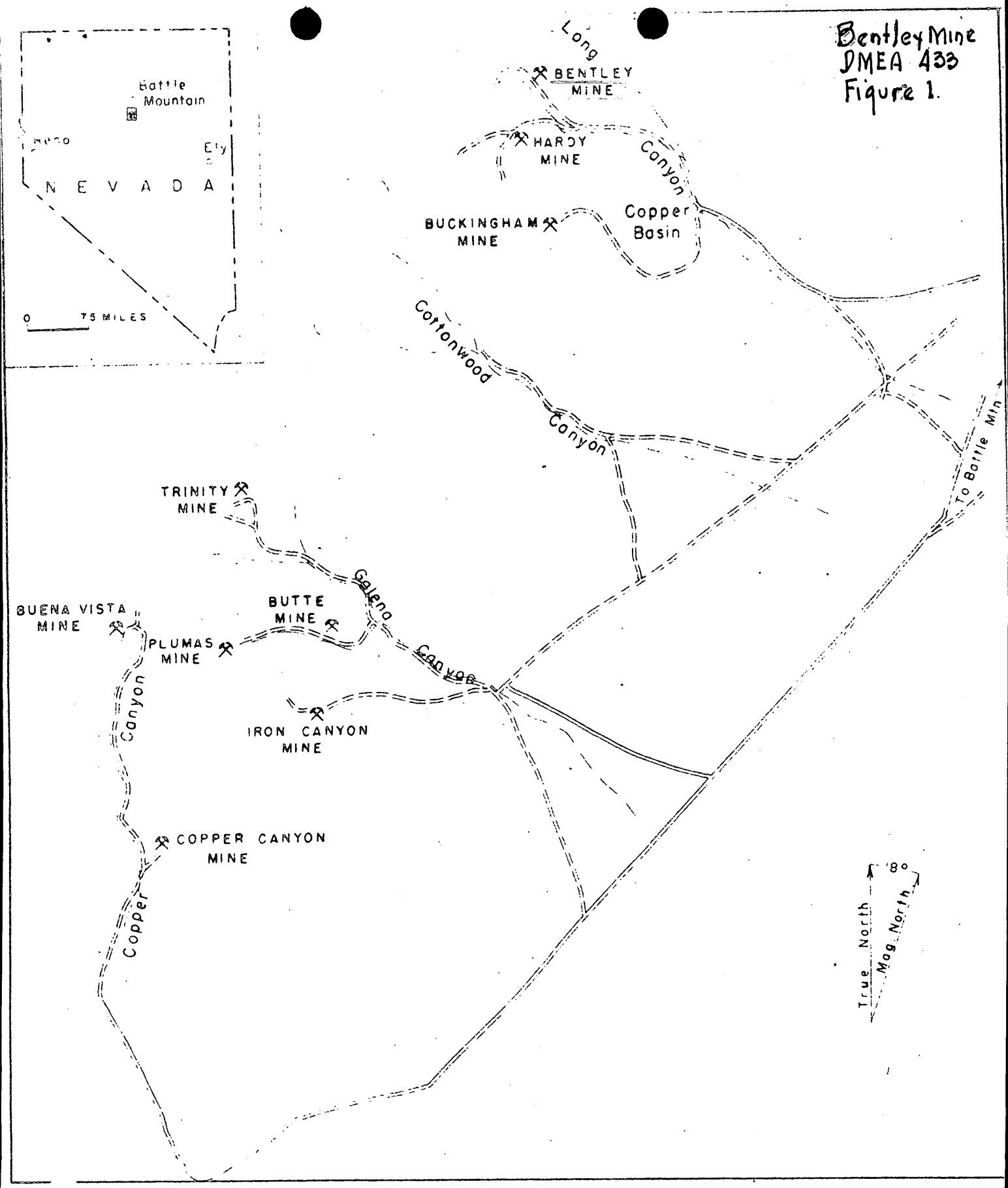
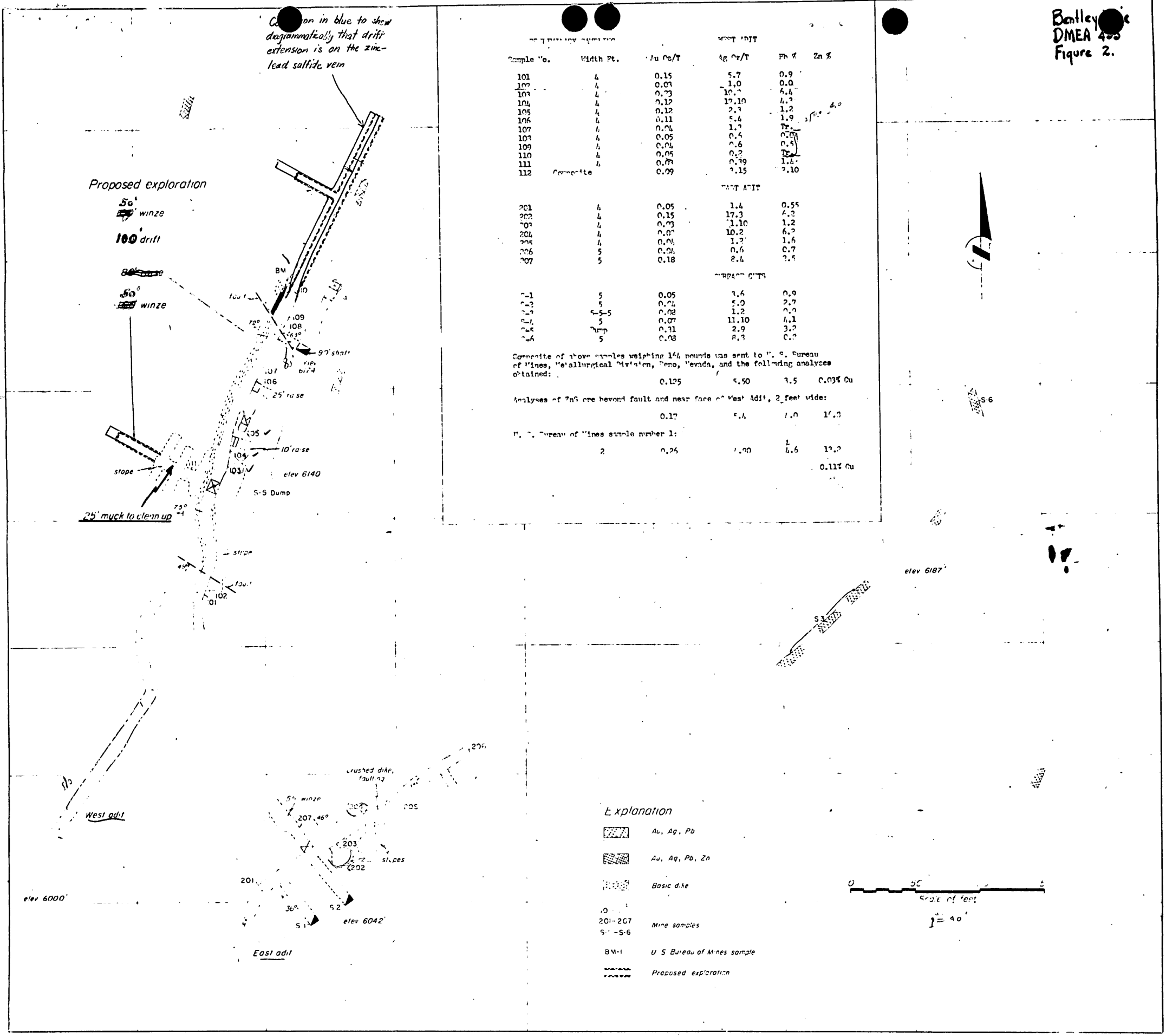


FIG. 1 INDEX MAP OF THE BATTLE MOUNTAIN MINING DISTRICT

0 1 2 MILES

Scale

Bentley[illegible]
DMEA 4[illegible]
Figure 2.



Sample No.	Width Ft.	Au Oz/T	Ag Oz/T	Pb %	Zn %
			WEST ADIT		
101	4	0.15	5.7	0.9	
102	4	0.03	1.0	0.0	
103	4	0.23	10.2	6.4	
104	4	0.12	17.10	4.3	
105	4	0.12	2.3	1.2	
106	4	0.11	5.4	1.9	
107	4	0.04	1.3	Tr.	
108	4	0.05	0.6	0.0	
109	4	0.04	0.6	0.5	
110	4	0.05	0.2	Tr.	
111	4	0.03	0.39	1.4	
112	Composite	0.09	3.15	2.10	
			EAST ADIT		
201	4	0.05	1.4	0.55	
202	4	0.15	17.3	6.2	
203	4	0.03	1.10	1.2	
204	4	0.03	10.2	6.2	
205	4	0.04	1.2	1.6	
206	5	0.04	0.6	0.7	
207	5	0.18	8.4	3.5	
			SURFACE CUTS		
S-1	5	0.05	3.6	0.9	
S-2	5	0.04	5.0	2.7	
S-3	5-5-5	0.08	1.2	0.2	
S-4	5	0.07	11.10	4.1	
S-5	Dump	0.11	2.9	3.2	
S-6	5	0.08	8.3	0.2	

Composite of above samples weighing 144 pounds was sent to U. S. Bureau of Mines, Metallurgical Division, Reno, Nevada, and the following analyses obtained:

	0.125	5.50	3.5	0.03% Cu

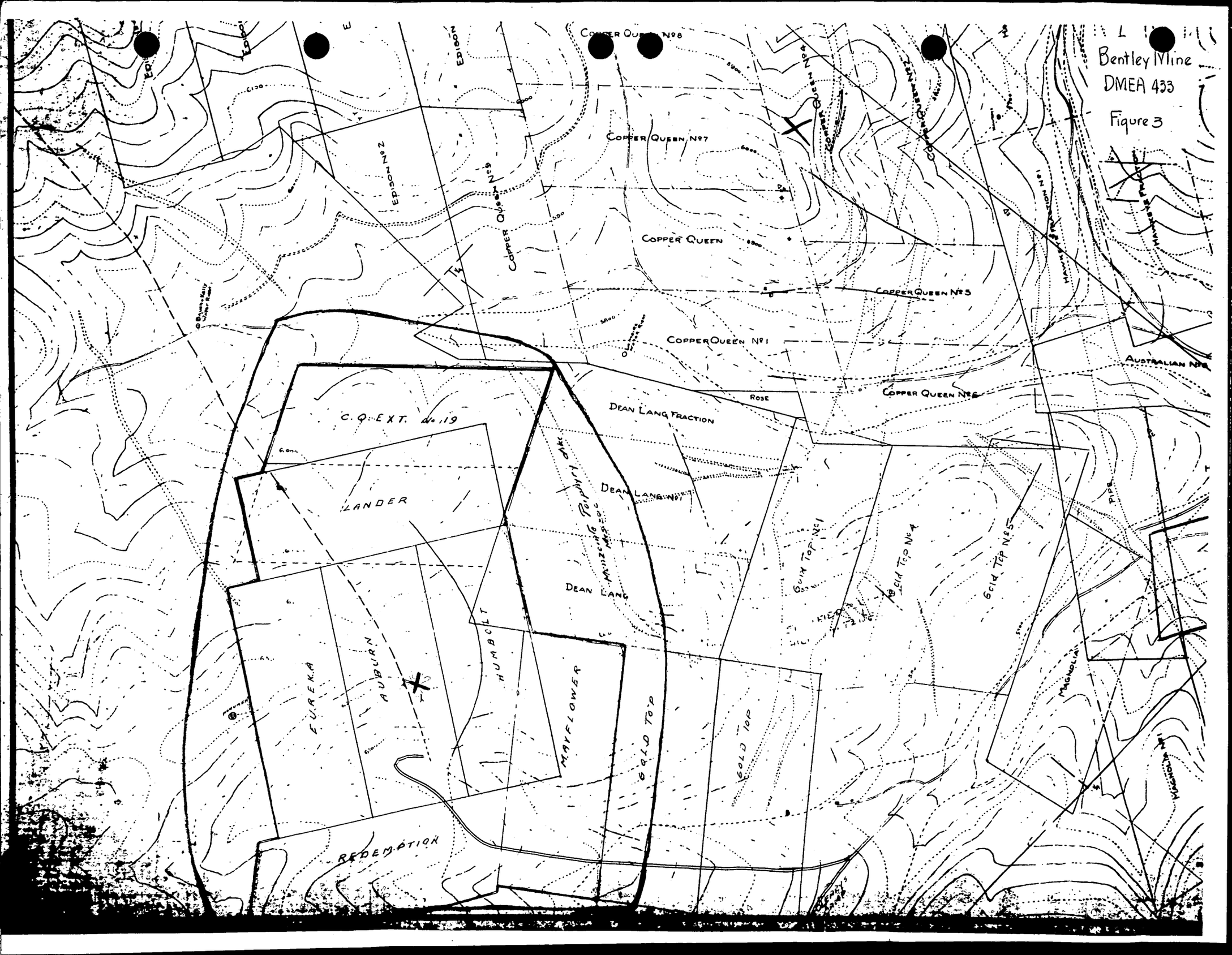
Analyses of ZnS ore beyond fault and near face of West Adit, 2 feet wide:

	0.17	5.4	1.0	1[illegible].2

U. S. Bureau of Mines sample number 1:

2	0.26	1.90	4.6	13.2
				0.11% Cu

Figure 2-Plan of adits showing sampling and proposed exploration, Bentley mine


Bentley Mine
DMEA 433
Figure 3
COPPER QUEEN Nº8
COPPER QUEEN Nº7
COPPER QUEEN
COPPER QUEEN Nº5
COPPER QUEEN Nº1
COPPER QUEEN Nº6
AUSTRALIAN Nº2
EDISON Nº2
EDISON
COPPER QUEEN Nº9
COPPER QUEEN Nº4
TENNESSEE
HAWKSBILL
ROSE
DEAN LANG FRACTION
DEAN LANG Nº1
DEAN LANG
C.Q. EXT. No. 19
LANDER
EUREKA
AUBURN
HUMBOLT
MAYFLOWER
GOLD TOP
GOLD TOP
GOLD TOP Nº1
GOLD TOP Nº4
GOLD TOP Nº5
MAGNOLIA
MAGNOLIA Nº1
REDEMPTION

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

Department of the Interior
Defense Minerals Administration
RECEIVED
NOV 1 1952

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. AMENDED-Dmea-433
Metal or Mineral
Date Received 11-7-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Frank B. Keever
Baxter, Placer County, California

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract
Refer Contract DMEA 433x Lead and Zinc IDM-E-282
This is an application for additional aid and further exploration

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
Owner

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it none

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Refer DMEA 433x IDM-E-282

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) [illegible] the mineral or minerals for which you wis[illegible] explore Lead + Zinc

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 12 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☒ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated October 30, 1952

Frank B. Keever
(Applicant)

By

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.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Statement of Further Proposed Work

The purpose of this project is to further explore for lead and zinc by drifting North and South, and crosscutting on the sulfide vein exposed on the 142 foot level of the winze completed under Stage I and II of the existing contract with Frank B. Keever, Bentley Mining Claims, Docket No. 433x IDM E 288.

The further exploration is to be undertaken in FIVE stages, III-1,2,3,4,5, more fully described hereinafter. If in the opinion of the Government and the Operator the work under Stage III-1,2,3,4,5, discloses evidence sufficiently favorable to warrant further exploration then Stage VI is to be initiated.

The project shall not be continued beyond Stage III-5 without the written approval of the Government. The direction and drifting and crosscutting location under Stage III-4 and III-5 is to be agreed upon by the Government and the Operator.

The following maps are attached hereto:
Figure 1 Map of East and West Adits Bentley Mine Battle Mountain Mining District, Lander County, Nevada. Prepared by U.S. Department of the Interior, Geological Survey showing completed work in solid lines and proposed work in dashed lines.

This work is necessary in order to fully explore and prove up the Lead and Zinc deposit shown by the previous work under Stage I and II of the contract. Refer to Geologic map submitted by David C. Arnold under a memorandum titled Amendment for IDM-288, Bentley Mine, Lander County, Nevada August, 1952.

In order to make any comprehensive Geologic and Engineering report on this project or to estimate any ore reserves it is necessary to do this further work, which consists of making a connection to surface directly above the working winze for ventilation purposes. At the present time the gas in the winze is becoming so bad that it is necessary to lay off one day a week following blasting. By completing this surface raise of the program outlined in Stage III-1 it can be utilized for two purposes, mainly for ventilation and later surface installations can be installed and this used as a main working shaft.

The balance of the proposed drifting and crosscutting outlined in stages III-1,2,3,4,5, are necessary in order to form an opinion whether a discovery or a mine has been made. Should the drifting and crosscutting disclose ore, then Stage III-6, which will consist of sinking the shaft an additional 200 feet to the intersection of the two veins, be initiated and if further ore is disclosed the Bentley Mine can be declared a definite mine with ore reserves and go into production at once.

Stage III-1

Time Schedule: 45 days....November 1, to December 25, 1952

This stage consists of the following work:

Rehabilitation and Repairs

Enlarge and timber approximately 50 ft. of existing raise directly above working winze. Drive an additional 50 ft. to surface and timber so as to tie in with and be used as a shaft for ventilation and hoisting. This work is an absolute necessity for ventilation and can be done in such a way that surface installations can be installed later and used as a shaft for hoisting ore.

Build 12x18 Compressor house and change Room

Estimate of Costs of Stage III-1

Fixtures and Improvements

Rehabilitation and Repairs for Ventilation Shaft, Compressor House and Change Room	$ 500.00

Operating Equipment

Te be Rented

Portable Air Compressor @ $250.00 for two months	500.00
Rock Drill-Jackhammer @ $35.00 for two months	70.00
Air receiver and connections @ $15.00 for two months	30.00
1 Set air and water hose with connections and water tank @ $15.00	30.00
2 Mine cars @ $2.50 each for two months	10.00
1 Pump @ $25.00 for two months	50.00
Air tugger @ $30.00/mo for two months	60.00
Air Blower @ $30.00/mo for two months	60.00

Labor and Supervision

1 Miner @ $14.00/day for 45 working days 8 overtime days	686.00

1 Mucker @ $13.00/day for 45 working days, 8 overtime days	$	637.00
1 Trammer @ $13.00/day for 45 working days, 8 overtime days		637.00
1 Supervisor @ $400.00/month for two months, Nov.1, 1952, Jan1 1, 1953		800.00
Bookkeeping and Office Labor two months		30.00
Operating Material and Supplies		
3000ft. 6x8 timber @ $150.00		450.00
3000 ft. 2x12 timber @ $150.00		450.00
20 bundles wedges @ $3.50		70.00
25 lb. Spikes		7.50
25 lb 8p Nails		7.50
100 ft. 1½" Air Line and fittings		50.00
100 ft. ½" Water Line		25.00
20 ft. Ladder Material		42.50
Powder, fuse, caps, carbide @ $200.00 per month for 1½ months		300.00
Fuel Oil and Lubricants @ $250.00/month for 1½ months		375.00
Jackbits, Steel, repairs and replacements @ $300.00/month for 1½ months		450.00
Freight and transportation @ $200.00 for 1½ months		300.00
Miscellaneous @ $200.00/month for 1½ months		300.00
Total Stage III-1	$	5,947.50

Stage III-2

Time Schedule: 90 days...Dec. 24, 1952 to April 7, 1953

This stage consists of the following work:

Drive 250 feet of drift in a northerly direction along the course of the vein.

Labor and Supervision

1 Miner @ $14.00 per day for 90 days 15 overtime days	$ 1,365.00
1 Hoistman @ $14.00 per day for 90 days 15 overtime days	1,365.00
1 Trammer @ $13.00 per day for 90 days 15 overtime days	1,267.50
1 Supervisor @ $400.00 per month for three months	1,200.00
Bookkeeping and office labor, 3 months @ $50.00 per month	150.00
	$ 5,347.50

Operating Materials and Supplies

Timber:	
1250 ft. 4x6 @ $150.00	193.75
4000 ft. 6x8 @ $150.00	600.00
5000 ft. 2x12 @ 150.00	750.00
25 bundles wedges @ $3.50	87.50
25 lb. 20p spikes	7.50
25 lb. 8p Nails	7.50
200 ft. 1¼" pipe and fittings	100.00
200 ft. ½" Water line and fittings	50.00
Powder, fuse, caps and carbide @ $200.00/mo for 3 months	600.00
Fuel oil and lubricants @ $250.00/mo for 3 months	750.00

250 ft. 8" Fan Line		$ 100.00
Jackbits and Steel, repairs and replacements @ $300.00/ mo for 3 months		900.00
Freight and Transportation @ $200.00 per months for 3 months		600.00
		$ 5,246.25

Operating Equipment

To be Rented

Portable air compressor @ $250.00/mo. for 3 months		750.00
Rock Drill-Jackhammer and fittings @ $35.00/mo. for 3 months		105.00
Air receiver and fittings @ $15.00 mo. for 3 months		45.00
Air Hoist @ $30.00/mo. for 3 months		90.00
1 Sinking Pump @ $25.00/mo. (If larger pump needed, cost to rise)	(app)	75.00
1 Station pump @ $25.00/mo. (For boosting water. If larger pump needed, cost to rise)	app.	75.00
Air Blower @ $30/00/mo. for 3 months		90.00
2 mine cars..Depreciation allowance $5.00/mo.		15.00
		$ 1,245.00
Sampling and Analysis		250.00
		$ 12,138.75
Total Stage III-2		17,188.75

Stage III-3

Time Schedule: 30 days (April 8, 1953 to May 12, 1953)

This stage consists of the following work:

Drive approximately 100 ft. South on the course of the vein to intersect South Fault.

Labor and Supervision

1 Miner @ $14.00/day for 30 days, 5 overtime days	455.00
1 Hoistman @ $14.00/day for 30 days, 5 overtime days	455.00

1 Trammer @ $13.00/day for 30 days 5 overtime days	$ 482.00
1 Supervisor @ $400.00/mo.	400.00
Bookkeeping and office labor, 1 mo.	50.00
	$ 1,782.50

Operating Material and Supplies

Timber:

250 ft. 4x6	32.50
800 ft. 6x8	120.00
1000 ft. 2x12 lagging	150.00
5 bundles wedges @ $3.50	17.50
Nails, etc.	5.00
Powder, fuse, caps and carbide @ $200.00/mo.	200.00
Fuel oil and lubricants, 1 mo @ $250.00	250.00
Jackbits, Steel, replacements and repairs @ $300.00/mo for 1 mo.	300.00
Freight and Transportation, 1 mo. @ $200.00	200.00
Miscellaneous, 1 mo. @ $200.00	200.00
	$ 1,475.00

Operating Equipment

To be Rented

Portable Air Compressor @ $250.00/mo. for 1 month	250.00
Rock Drill-Jackhammer and fittings @ $35.00/mo. for 1 month	35.00
Air receiver and fittings @ $15.00/mo.	15.00
Air Hoist @ $30.00/mo.	30.00
Sinking pump @ $25.00/mo	25.00
Station pump @ $25.00/mo.	25.00
Air blower @ $30.00/mo.	30.00

Depreciation..2 mine cars @ $5.00/mo.	$ 5.00
	415.00
Sampling and Analysis	50.00
	465.00
Total Stage III-3	$ 3,732.50

Stage III-4

Time Schedule: 83 Working Days, May 18, 1953 to August 15, 1953

This stage consists of the following work:

Cross-cut at a point decided upon by the Government and Operator approximately 250 ft. East through footwall to intersect East vein in sulfide zone.

Labor and Supervision

1 Miner @ $14.00/day for 83 days 13 overtime days	$ 1,253.00
1 Helper @ $14.00/day for 83 days 13 overtime days	1,253.00
1 Supervisor @ $400.00/mo. for 3 months	1,200.00
1 Trammer @ $13.00/day for 83 days 13 overtime days	1,163.50
Bookkeeping and office labor, 3 months	150.00
	$ 5,019.50

Operating Material and Supplies

1650 ft. 4x6	247.50
6640 ft. 6x8	996.00
5000 ft. 2x12 Lagging	750.00
Wedges	70.00
Nails	10.00
Powder, fuse, caps and carbide 2½ months @ $200.00/mo.	500.00
Fuel oil and Lubricants 2½ months @ $250.00	625.00
Jackbits, Steel, repairs and replacements 2½ months @ $300.00/mo.	750.00
Freight and Transportation @ $200.00/mo.	500.00
Miscellaneous, 2½ months @ $200.00/mo.	500.00
	$ 4,948.50

Operating Equipment

To be Rented

Portable Air Compressor 2½ months @ $250.00/mo.	$ 625.00
Rock Drill-Jackhammer and fittings 2½ months @ $35.00/mo.	87.50
Air Receiver and fittings 2½ months @ $15.00/mo.	37.50
Air Hoist 2½ months @ $30.00/mo.	75.00
Sinking Pump 2½ months @ $25.00/mo.	62.50
Station Pump 2½ months @ $25.00/mo.	62.50
Air Blower 2½ months @ $30.00/mo.	75.00
Depreciation 2 mine cars 2½ months @ $5.00/mo.	12.50
	$ 1,037.50
Sampling and Analysis	200.00
	1,237.50
Total Stage III-4	$ 11,205.50

Stage III-5

Time Schedule: 45 days, Aug. 16, 1953 to Oct. 1, 1953

This stage consists of the following work:

Drive approximately 125 feet west into and through the hanging wall dyke to contact and explore the West vein.

Labor and Supervision

1 Miner @ $14.00/day for 45 days 7 overtime days	$ 679.00
1 Hoistman @ $14.00/day for 45 days 7 overtime days	679.00
1 Trammer @ $13.00/day for 45 days 7 overtime days	630.50
1 Supervisor @ $400.00/mo. for 2 months	800.00
Bookkeeping and office Labor @ $50.00/mo.	75.00
	$ 2,863.50

Operating Material and Supplies

840 ft. 4x6	126.00
3350 ft. 6x8	502.50
4200 ft. Lagging	630.00
wedges	35.00
Nails	5.00
Powder, fuse, caps and carbide @ $200.00/mo for 1½ months	300.00
Fuel oil and Lubricants @ $250.00/mo. for 1½ months	375.00
Jackbits, Steel, replacements and repairs 1½ mo. @ $300.00/mo.	450.00
Freight and Transportation @ $200.00/mo. for 1½ months	300.00
Miscellaneous @ $200.00/mo. for 1½ months	300.00
	$ 3,023.50

Operating Equipment

To be Rented

Portable Air Compressor 1½ months @ $250.00/mo.	$375.00
Rock Drill-Jackhammer and fittings 1½ months @ $35.00/mo.	52.50
Air Receiver and fittings 1½ months @ $15.00/mo.	22.50
Air Hoist 1½ months @ $30.00/mo.	45.00
Sinking Pump 1½ months @ $25.00/mo.	37.50
Station Pump 1½ months @ $25.00/mo.	37.50
Air Blower 1½ months @ $30.00/mo.	45.00
Depreciation 2 mine cars 1½ months @ 5.00/mo.	7.50
	$ 622.50
Sampling and Analysis	100.00
Total Stage III-5	$ 6,609.50

Total for Project, Stage III-1,2,3,4,5

$ 40,673.75

40 683.75

Rumelow - Tucson, Ariz.

Yuma Metals, Inc

Amended application

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dmd 433X

Date received 5-21-51

Participation

Frank B. Keever

Baxter, Placer County, California

DMA - 433 Bentley Mining Claims
Battle Mountain, Nevada.
Lander County

Name and address of applicant

Date May 15, 1951

FILL IN THIS BLOCK

Date of application Originally December 7, 1950

Estimated cost $25,000.00

Mineral or metal lead and zinc

Percentage of Government participation 50%

Location of mine Battle Mountain, Lander County, Nevada

Date of filing MF-100 May 15, 1951

DMA Docket Number, if available DMA - 433X

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual, see also Form MF-100 item 4 (b)

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See supplemental sheet # 1 to Form MF-100 item 6

*5. Are you the owner or the lessee of the property? Owner. See supplemental sheet # 1 item 5

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. No claims or liabilities

7. If lessee, attach a copy of the lease and state if it is in good standing. Copy lease one-fiftieth interest attached.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract. See attached supplemental sheet # 1 item 8

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? See attached supplemental sheet # 1 item 9

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. See attached supplemental sheet # 1 item 10 and 10 (b)

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. Bentley

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. See supplemental sheet # 1 to Form MF-100 item 13

*13. State source and quantity of water available for operations and its sufficiency at all seasons. See items 14 & 15 of supplemental sheet # 1 Form MF-100
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. Has lettle equipment or improvements except track and mine cars

15. State in detail how the ore could be shipped and how and where milled. See attached supplemental sheet item 15

*16. History: Se attached supplemental sheet # 1 item 16

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information: Not on production

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

See attached supplemental sheet # 1 item 16

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.
See attached supplemental sheet # 1 item 19

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? lead and zinc

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. Supplemental sheet #1 item 21

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.
See attached supplemental sheet # 2 item 22

THE REQUIREMENTS AND COSTS

See attached supplemental sheet # 2 item 23

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.
See attached supplemental sheet # 3 item 24

CERTIFICATION

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

(Name of company)

By Frank B. Keever
(Signature of authorized official)

5/15/57
(Date)

Owner
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Frank B. Keever, Baxter, Placer County, California

DMA-433 Bentley Mining Claims, Battle Mountain, Nevada

SUPPLEMENTAL SHEET # 1 to Form MF-103

5. Applicant owns forty-nine fiftieths. The remaining one fiftieth is owned by L. F. Kengle and H. L. Rosenberry in undivided interest on which applicant has a five year lease, in good standing. Copy attached. The property has no claims or liabilities against it.

8. Applicant's investment in the property is about $50,000.00. It has no liabilities. No financial statement is available.

9. The applicant feels sure that he can provide $12,500 as his matching share of the cost of the project if the Government will approve the project subject to applicant providing his share. This will assure anyone co-operating ~~applicants~~ in providing applicant's share that the project will not fall short of ample financing.

10. The property comprises all of those certain mining claims situated in Lander County, State of Nevada, Battle Mountain Mining District, and designated as: MAYFLOWER, REDEMPTION SOMETIMES CALLED BENTLEY, HUMBOLDT, AUBURN, EUREKA, LANDER AND COPPER QUEEN EXTENSION NO. 19, AND KNOWN AS THE BENTLEY GROUP. Claim map and description is included in the documents originally submitted.
(b) This project will be conducted in the Auburn Claim of the group.

15. At Battle Mountain, eight miles distant, the Southern Pacific Ry. has excellent car loading facilities. About half of the road is surfaced State road the balance is good dirt road, easy grade. The trucking rate for hauling and loading cars is $1.50 per ton - less for volume. There are several available smelters at Salt Lake City, International Smelting and Refining Company has milling facilities for lead-zinc ore. Copper Canyon Mining Company, near Copper Basin which the Bentley adjoins, is comtemplating ore sampling, purchasing facilities.

16. The property produced some lead and manganese ore during World War I. I purchas-
(a) ed it soon thereafter as an investment. Owing to the low price of lead for many
(b) years and my preoccupation elsewhere it has been left idle. Maps, smelter re-
(c) turns, assay results and general information are included in the application and
& documents submitted to Mr. Miller, Region III 12/7/50 and transmitted by him to
18. Dr. Boyd 1/8/51. The entire district is and has been productive, see supplemental sheet # 1 to Form MF-100 item 7.

19. The newly exposed sulphide ore shoot enhances the immediate promise of the property. See supplemental sheet # 1 to Form MF-100 item 18.

20. Lead and zinc with byproducts of silver and gold.

21. The time required for this project should not exceed 10 months, with the probability that some production of ore will attend the exploration and development work.

Frank B. Keever, Baxter, Placer County, California

DMA-433 Bentley Mining Claims, Battle Mountain, Nevada

SUPPLEMENTAL SHEET # 2 to Form MF-103

21- continued. It is proposed to do 200' of sinking, or at least to test by drilling; upraise 60' to connect 90 ft. surface shaft with raise from west tunnel; drift in sulphide shoot 150'. where?

22. The geology of the area is favorable and it has been and is productive. Test shipments and assays and analyses of the Bentley ore fairly well establish commercial ore bodies.

23.

2 miners @ $11.00 per day, 20 days per Mo.	$220.00			
Ind. & Comp. Ins. & FOA tax @ 14.7%	32.34			
each	252.34			
X	2			
	504.68	X 10 Mo.	$5046.80	
1 Miner @ $11.00 per day, 20 days per Mo.	$220.00			
Ind. & Comp. Ins. & FOA tax @ 14.7%	32.34			
	252.34	X 5 Mo.	1261.70	
1 Mucker @ $10.50 per day, 20 days per Mo.	$210.00			
Ind. & Comp. Ins. & FOA tax @ 14.7%	30.87			
	240.87	X 10 Mo.	2408.70	$8717.20
Equipment purchase & rental				5000.00
Material & supplies				3000.00
1 Supervisor @	$500.00	per month		
Ind. & Comp. Ins. & FOA tax	50.40			
	550.40	X 10 Mo.		5504.00
1 Clerk & Supervisor's helper @	$200.00	per month		
Ind. & Comp. Ins. & FOA tax	29.40			
	229.40	X 10 Mo.		2294.00
Miscelaneous margins of safety				484.80
				$ 25000.00

If drilling by contract is adopted for proving additional depth cost may be reduced somewhat. I have prepared a foregoing estimate only tentatively, as Mr. Dupuis is not available at this writing. I will have him substitute a formal one when I see him.

Frank B. Keever, Baxter, Placer County, California

DMA-433 Bentley Mining Claims, Battle Mountain, Nevada

SUPPLEMENTAL SHEET # 3 to Form MF-103

23. continued. The following is to check roughly the preceding estimate, and to indicate what is hoped to be accomplished:

Sinking 200' @ $30.00 per Ft.	$ 6000.00	← Too low
Upraise 60' @ 15.00 " " ,	900.00	
Drift 150' @ 20.00 " " ,	3000.00	
Equipment purchase and rental	5000.00	
Supervision, clerk and helper	7798.00	
Margin of safety	2302.00	
	$ 25000.00	

24. The time required for the project should not exceed 10 months. Preparation of cost estimates has caused me to raise, if agreeable, the $20,000.00 requested in my original application to $25,000.00 in which Government participation under the matching plan would be $12,500.00.

A G R E E M E N T

THIS INDENTURE, made this 17th day of January, 1951, by and between L. F. KENGLE and H. L. ROSENBERRY, owners of an undivided one-fiftieth (/50) interest in the hereinafter described mining claims, parties of the first part, and FRANK B. KEEVER, part of the second part,

W I T N E S S E T H:

The parties of the first part do hereby lease to Frank B. Keever the interest of the parties of the first part in all of those certain mining claims situated in Lander County, State of Nevada, and designated as:

> Mayflower, Redemption, sometimes called Bentley, Humboldt, Auburm, Eureka, Lander and Copper Queen Extension No. 19, and known as the Bentley Group

upon the terms and conditions hereinafter set forth:

The term of this lease shall be for five (5) years, unless sooner terminated, as hereinafter specified.

The party of the second part shall keep said mining claims and the interest of the parties of the first part free and clear of lien for labor performed upon said claims or materials furnished for use upon said claims.

The party of the second part agrees to enter upon and to clear the winze in the west tunnel, and to clear and lay track in the west tunnel from Station 9, or thereabouts, to the newly discovered lead-zinc ore near the face of the west tunnel, and the party of the second part agrees to use his best endeavors to sell the said mining claims or to operate or secure the operation of said claims as a workable mine.

In the event that ores from said mine shall be shipped, first parties shall receive a royalty of four (4%) per cent of the gross proceeds derived from the sale or treatment of said ore, and in the event that ore from said mine is treated on said mining claims and shipped as concentrates, the parties of the first part shall receive a royalty of two (2%) per cent of the gross proceeds received from the sale or treatment of concentrates from said mine.

Gross proceeds, as herein used, is agreed to be the amount of money received from ore or concentrates removed from said mining claims after

deducting from the proceeds, freight, hauling and treatment charged, if any, incurred in the recovery of the values contained in said ores or concentrates, but without any deduction whatsoever for the cost of mining the same or the milling or crushing of the ore if said milling or crushing shall be done by the tenant of said mining claims.

Remittances for royalties shall be promptly made to first parties at Auburn, California, and with each remittance second party shall furnish duplicate of statement showing the number of tons of ore shipped and the price received for the sale or treatment of the same or the number of tons of concentrates shipped or disposed of and the price received for the sale or treatment of the same.

In the event the party of the second part should fail, neglect or refuse to fully and faithfully perform each and every provision of this agreement to be kept and performed by him, the parties of the first part may elect to consider all of second party's rights hereunder terminated, and in the event the party of the second part shall be in default in the performance of any of the provisions of this agreement to be kept and performed by him, and first ~~party's rights hereunder terminated~~ parties shall notify the second party in writing adressed to him at Baxter, Placer County, California, and in the event that said default shall continue for a period of fifteen (15) days after the mailing of said notice or the delivery of the same in person, then first parties, without further notice or action, terminate all of second party's rights hereunder.

In the event of litigation between the parties hereto, the prevailing party may recover such sum as the Court may adjudge reasonable as attorney's fee in such suit or suits.

Royalty funds shall remain the property of the parties of the first part and shall be remitted by second party to first parties within five (5) days after receipt of the same by second party.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

E & O E.
Hastily coppied
not compared.

L. F. Kengle

H. L. Rosenberry
Parties of the first part

Frank B. Keever
Party of the second part

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 2 1 1951
LANDON F. STROBEL
Executive Secretary

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 433X

Date received 5/21/51

Frank B. Keever

Baxter, Placer County, California

DMA - 433 Bentley Mining claims
Battle Mountain, Nevada
Lander County

Name and address of applicant

Date May 15, 1951

Original Application and data submitted 12/7/50

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Lead and zinc
   (*b*) What are the byproducts, if any? Silver and gold
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts. about 90', winzes 100'. Name of mine Bentley
   (*b*) Linear feet of drifts and crosscuts. About 1000'
   (*c*) Linear feet of tunnels or adits. The tunnels are drifts on the veins
   (*d*) Linear feet of other mine openings (explain briefly). Stopes in the oxide zone above tunnel levels
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. mine is dry
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 8 miles south of Battle Mountain
   (*b*) Mining district. Battle Mountain
   (*c*) Township, Section, Range. In or adjoining sects. 25 & 30, Twp. 32 north, R's 43 & 44, M D B & M
   (*d*) County, State. Lander County, Nevada
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Only clearing tunnels in anticipation of this project.
   (*b*) Are you operating this property as:
   ☐ Owner. Applicant owns forty nine - fiftieths. The remaining one - fiftieth is
   ☐ Lessee. owned by L.F. Kengle and H.L. Rosenberry in undivided interest from whom
   ☐ Contractor. applicant has a five year lease, in good standing.
5. Number of years in production The property produced some lead & manganese ores during World
   If not in production or operation, estimated date when production will begin War I. I purchased it soon thereafter,
6. Experience of operators: but owing to low price of lead and occuption eleswhere left it idle.
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. See supplemental sheet # 1, item 6.
7. History: See supplemental sheet # 1, item 7
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
NOT INCORPORATED							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: Not in production

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves: See supplemental sheet # 1, item 12

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads: See supplemental sheet # 1, item 13

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: Limited local water is available. More could doubtless be developed

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power: Power will be diesel or gas engine. Requirement will not be great for this project

State amount of power used, rate per hour, and source thereof.

16. Labor: Only two men have been used. Battle Mountain is a pretty good labor market

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: Property has very little equipment or improvements.

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
See supplemental sheet # 1, Form MF- 100 item 18

CERTIFICATION

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

(Name of company)

By Frank B. Keever
(Signature of authorized official)

5/15/57
(Date)

Owner
(Title)

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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 21 1951
LANDON F. STROBEL
Executive Secretary

DMP-433

Budget Bureau No. 42-R425.4
Approval Expires June 30, 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

STATEMENT OF FACTS AS TO THE LOCATION AND NATURE
OF MINERAL DEPOSITS

The Bureau of Mines is directed by Sec. 7(a) of Public Law 520 - 79th Congress - to investigate domestic mineral resources with a view to developing greater reserves of those minerals which are essential to national defense or industry, and of which our present or probable future supplies are inadequate. The development program resulting from this legislation is based largely on the systematic examination of known mineral occurrences; a few carefully selected deposits are developed further by trenching, test-pitting, drilling, or other means. A development project must show promise of making a substantial contribution to the national security or economy, relative to the effort expended. The emphasis placed upon different mineral commodities will vary from time to time in accordance with changes in the trend of industrial demand and the needs of the stockpiling program.

It is not intended that the Bureau's development work shall duplicate or supplant the efforts of private industry, hence its projects are largely centered on deposits which are marginal in character or for some reason do not appear to justify private investment.

The results of preliminary examinations are not ordinarily released for publication, nor can the examination reports be made available to owners or other than Government agencies. The factual data resulting from development projects, including sampling and assaying data, are made available to owners upon conclusion of the projects, however, and are published as soon as possible afterward.

Applications for examinations or development projects are unnecessary, but initial investigation may be greatly assisted by complete factual information from interested parties. Examinations and other investigations will be made only in accord with the best judgment of the Bureau's engineers and the limitations of funds and personnel.

The following statement lists data especially desired. A supplementary sheet may be used if necessary for extended remarks.

STATEMENT

Made by Frank B. Keever Address Baxter, Placer County, Calif. Date 12/7/50

Name of Property Bentley, located near Battle Mountain, Nev. Metal Lead & zinc.

Owned by Frank B. Keever Address Baxter, Placer County, Calif.

Leased or optioned to _____ Address _____

Situated in:

Section 30 ; Township 32 N. ; Range 44 E, Lander Nevada
(County) (State)

(over)

Give detailed directions for reaching property from nearest town:

8 miles south of Battle Mountain, Nevada, via good road, in Copper Basin area,

Name and address of local resident who can direct to the deposit

Mr. W. G. Lee, at Copper Basin or Mr. Dan Shovlin at Battle Mountain.

History of deposit Shipped manganese and lead ore during World War I: Shipped occasional lots of ore to defray expense of Annual Work, see Smelter Returns of 1935, 1940, 1941, 1942, many similar returns were lost in 1940 by fire: Shipped

Shipments of ore made test lots of ore, see Smelter Returns 1948, 1949.

Known dimensions of the deposit:

Length _____ feet; Width _____ feet; Depth _____ feet.

Inclination:

Workings See compass map of 1948.

General description of mineral showings:

Sampling and assays

Maps or sketches, especially those showing location of individual samples, their widths and values.

(If available) Engineer's report by _____ submitted (to be returned)
(not to be returned)

DMA-433

List of Bentley Mine maps and records submitted :

1. Statement of general information.

2. Macgregor assay map of the west tunnel, made at the time I purchased the property on his advice.

3. Claim map of Bentley claims.

4. Two maps of compass survey, dated May 1948. One of these maps shows courses and distances and relation of surface openings and underground work. The other map has numbers in red of samples taken as a general check of points which showed ore; a sheet giving the assay results is attached to it. The sample marked ZnS on it, near the face of the west tunnel, shows the location of the newly exposed sulphide ore; notice the attending fault.

5. Sketched sections of workings in west and east tunnels.

6. Copies of smelter returns of November 1948, March 1949 and April 1949. These are the 3 test lots shipped to American Smelting and Refining Company.

7. Smelter returns of 1935, 1940, 1941 and 1942. These are from lots of ore shipped from time to time to defray expense of Annual Work. Similar returns, also returns from ore shipped during original exploration work were lost in 1940 by fire.

8. Photostat of a portion of Copper Canyon Mining Company map of Copper Basin. This supplies some geological and topographical information. The Bentley claims are roughly platted on it and their location indicated by circular line. Location of the Copper Queen Mine with considerable production of copper ore is indicated by X. The Contention Mine from which copper ore is being mined is located near by, but is not contained in the photostat.

DMA-433

LOAN APPLICATION

Frank B. Keever, Baxter, Placer County, California

Bentley - Lead-Zinc
Lander, Nevada

Letter December 7, 1950 - Frank B. Keever to H. C. Miller. Request for loan. Following attachments:

1. Statement of Facts form.
2. List of mine maps and records
3. Two pencil sketches with geological explanations
4. Two sheets supplementary data
5. Three smelter return sheets
6. Map of Bentley mine with attached assay sheet
7. Map of Bentley Mine
8. Photostats (2) smelter settlement sheets
9. Topographic map showing ore body
10. Assay map, Bentley mine

Remarks: Request for $20,000 to equip and put property in production. Ore said to average .25 oz. gold, 17.8 oz. silver and 6.65 percent lead from 18 samples. Three samples from another section averaged 0.24 oz. gold, 6.4 oz. silver, 5.7 percent lead and 12.9 percent zinc. Mineral values occur in fractured zone in quartzite from 5 to 8 feet wide.

An examination required and is justified for proper appraisal.

For Schedule of Collections No. SF-DMEA-21, dated March 8, 1954, giving proceeds from sale of property for $100.00, see E-369.

Report - Dated November 18. 1952
Engineer: Jones

Conclusion —

"Mineralization very slight and confined to narrow gouge zone. If this condition persists it is evident no further work should be done beyond the depth as required by the contract agreement."

The recommendations are submitted at this time."

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-1953

DEPARTMENT OF THE INTERIOR
Defense Minerals
RECEIVED
DEC 23 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1952 Docket No. DMEA 435X Contract No. Stage 11

Operator's Name Frank H. Keerer Minerals 10%-282

Address Baxter, Placer Co., Calif. Fe. Zn.

Contract Amount, $ 20,228.00 Government Participation: 50 % Amount, $ 10,114.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,304.50	4,414.50	5,719.00	1283.50	4414.50	5698.00
Supervision	400.00	2,400.00	2,800.00			
Technical Services	50.00	250.00	300.00	-0-	-0-	-0-
(3) Operating Mat'ls. and Supplies:						
Timber	456.49	1,224.33	1,680.82			
Explosives	122.15	874.16	996.31			
Pipe	34.14	954.51	988.65			
Track		220.00	220.00			
Oper. expense	188.16	2,445.11	2,631.27			
(4) Operating Equipment:						
Rental	300.00	1,800.00	2,100.00			
Purchase						
Depreciation	25.00	150.00	175.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	18.98	264.08	283.06			
Sampling and Analysis	9.00	106.00	115.00			
Payroll Taxes						
Technical Services				50.00	250.00	300.00
Office Supplies		13.36	13.36			
Freight, Trans.	200.00	1,200.00	1,400.00			
(8) Contingencies (specify):						
Sinking pump	25.00	150.00	175.00			
Water Pres. Tnk.	15.00	90.00	105.00			
Tractor Rent		50.00	50.00			
TOTALS	3,148.42	16,604.05	19,752.47	3127.42	16,604.05	19,731.47

Appears to be about finished?

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

Date Nov. 19, 1952 *Payee Roy Jefferson

Per Roy Jefferson Title Supervisor

*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:

$ 1563.71

Signature A. J. Renner
Authorized Certifying Officer
(Authorized Certifying Officer)

Date DEC 1 1952 Vou. No. SE-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. [illegible] in accordance with the terms of the contract.

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature R. C. Miller Title Executive Officer DMEA Field Team Region III Date Dec. 2, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MR-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 2 3 1952

Month of October 195 2 Docket No. DMEA 433X Contract No. DM-282
Operator's Name Frank B. Keever Minerals Stage II
Address Baxter, Placer Co., California Pb. Zn.

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	100			2,454.99	100	24.55	100	24.5499
Raising								
Shafts								
Winzes								
Drilling: Core	142	3,148.42	25	10,721.33	87	123.23	142	122.20
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Winze repair and clean	50			2,362.09				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				4,194.09				
New Buildings, Improvements, etc.								
TOTAL COSTS		3,148.42		19,752.47				

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. 19, 1952 Operator Frank B Keever

Per Ray Jeffenson Title supervisor

→ 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 Work this month consisted of sinking a winze an additional 25 ft. The vein has moved back into place. We have encountered a water course, and the present vein was oxidized for about 12 ft. Sulfides are coming in stronger now. Vein is showing that solutions of copper have flowed through it.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

NARRATIVE PROGRESS REPORT

Month of October 1952, Bentley Mine, Battle Mountain, Nevada
Frank B. Keever

The work this month consisted of sinking the winse an additional 25 feet. The vein has moved back into place, and the bottom of the winse is in vein material now the full width.

We encountered a water course for about twelve feet and the vein was oxidized, carrying little value.

For about eight feet, the bottom dried up and there was very little water. We have apparently encountered the water level now, as it is making considerable water. The sulfides are coming back in, and the vein is picking up values. It looks as though it may make ore now within the next round or two.

The best values appear to be intthe footwall and shows some copper solutions have flowed thru the vein. There may be a possibility that with furthur depth and exploration into the footwall, copper ore may be encountered.

By Working Supervisor

Ernest R. Jeppson

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 195 Docket No. DMEA 453x Contract No. Stage 11
Operator's Name Frank B. Keever Minerals 176-282
Address Baxter, Placer Co. Calif. Pb. Zn.
Contract Amount, $ 20,228.00 Government Participation: 50 % Amount, $ 10,114.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	728.00	3,686.50	4,414.50			
Supervision	400.00	2,000.00	2,400.00			
Technical Services	50.00	200.00	250.00			
(3) Operating Mat'ls. and Supplies:						
Timber	24.47	1,199.86	1,224.33			
Explosives	128.45	745.71	874.16			
Pipe		954.51	954.51			
Track		220.00	220.00			
per.exp.	320.19	2,122.92	2,443.11			
(4) Operating Equipment:						
Rental	300.00	1,500.00	1,800.00			
Purchase						
Depreciation	25.00	125.00	150.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	22.25	241.75	264.00			
Sampling and Analysis	10.00	96.00	106.00			
Payroll Taxes						
Liability Insurance						
Office Supplies	5.09	8.29	13.38			
Freight, Trans.	200.00	1,000.00	1,200.00			
(8) Contingencies (specify):						
sinking pump	25.00	125.00	150.00			
water pressure	15.00	75.00	90.00			
tractor rent		50.00	50.00			
TOTALS	2,253.45	14,350.62	16,604.07			

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

Date Oct. 10, 1952 *Payee Frank B. Keever

Per Roy Jefferson Title superintendent

*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:

$ 1126 73

Signature [illegible]
(Authorized Certifying Officer)
AUTHORIZED CERTIFYING OFFICER

Date OCT 15 1952 Vou. No.

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

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

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer, DMEA Field Team, Region III Date October 14, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

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

Month of Sept. 195 2 Docket No. DMEA 433x Contract No. Stage 11
Operator's Name Frank B. Reeve Minerals IDM-262 Pb.-Zn.
Address Baxter, Placer County, Calif.

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	100			2,454.99	100	24.55	100	24.5499
Crosscutting								
Raising								
Shafts								
Winzes	142	2,253.45	20	7,572.91	62	122.20	142	122.20
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Winze repair & clean	50			2,582.09				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				4,194.09				
TOTAL COSTS		2,253.45		16,604.07				

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

Date Oct. 10, 1952 Operator Frank B. Reeve

Per Ray Jefferson Title Ryjefferson

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: Work this month consisted of sinking winze an additional 20 feet. Encountered a fault causing the dyke to move east into the winze. With additional sinking, the vein will come back into place.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

NARRATIVE REPORT

Month of September Docket No. DMEA 433x Stage 11
Contract No. 1DM-262

Work for this month consisted of sinking the existing winze an additional 20 feet. The hanging wall faulted East into the winze and I have about half ore and half hanging wall in the bottom of the winze at the present time.

The fault and dyke is beginning to move back into place now. The hanging wall is pitching back and with an additional 20-25 feet, I should be back in the vein proper again.

The gas is very bad, and I have been losing a lot of time using the compressor to blow out the gas.

I am afraid we are going to have to drive a raise up through the stope above to the surface for ventilation.

I will try to sink a few more rounds and see if it can be done. It looks as though now we may have to have ventilation.

Ray Jepperson

Ray Jepperson

Supervisor

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
Budget Bureau No. 42-R1636.3.
Approval Expires 6-30-53.

OCT 17 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Stage 11

Month of August, 1952 Docket No. DMEA 433X Contract No. IDM-E-282

Operator's Name Frank B. Keever Minerals Pb. & Zn.

Address Baxter, Placer County, California

Contract Amount, $ 20,228.00 Government Participation: 50 % Amount, $ 10,114.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	708.50	2,978.00	3,686.50			
Supervision	400.00	1,600.00	2,000.00			
Technical Services Acct.	50.00	150.00	200.00			
(3) Operating Mat'ls. and Supplies:						
Timber	237.89	961.97	1,199.86			
Explosives	59.69	686.03	745.71			
Pipe	12.83	941.68	954.51			
Track		220.00	220.00			
Oper.Exp.	170.24	1,952.68	2,122.92			
(4) Operating Equipment:						
Rental	300.00	1200.00	1500.00			
Purchase						
Depreciation	25.00	100.00	125.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	18.30	223.53	241.83			
Sampling and Analysis	30.00	66.00	96.00			
Payroll Taxes						
Liability Insurance						
Office sup.	5.03	3.26	8.29			
Freight	200.00	800.00	1000.00			
(8) Contingencies (specify):						
*Sinking pump	25.00	100.00	125.00			
*Water Pres.Tnk.	15.00	60.00	75.00			
Tractor rent		50.00	50.00			
TOTALS	2257.48	12093.15	14350.63	E.R.J.		

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

Date Sept. 7, 1952 *Payee Frank B. Keever

Per Frank B. Keever Title Superintendent

*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:

$1128.74

Signature
(Authorized Certifying Officer)

Date 10/10/52 Vou. No. SF-DMEA-20

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 2Ir-202 in accordance with the terms of the contract.

Signature A. C. Johnson A. C. Johnson Title Chief, Mining Div., Region III Date September 13, 1952.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. C. Miller Title Executive Officer DMEA Field Team Region III Date Sept. 16, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 17 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195 2 Docket No. DMEA 453X Contract No. Stage 11 TM-2202

Operator's Name

Address Frank B. Keever
Baxter, Placer County, California

Minerals Pb. & Zn.

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	100			2454.99	100	24.55	100	24.5499
Crosscutting								
Raising								
Shafts								
Winzes	50	2257.48	20	5319.46	42	126.65	50	126.65
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
winze repair & cleaning	50			2382.09				
Total Distributed Costs		2257.48	20	10,156.54				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				4194.09				
New Buildings, Improvements, etc.								
Total Costs		2257.48		14350.63				

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

Date Sept 7, 1952 Operator Frank B. Keever

Per Ray Jefferson Title Supervisor

→ 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: This month's work consisted of sinking winze an additional 20 ft. Cont. ore dropping per foot. Hanging wall is bad, but I am moving winze into footwall and ground better, still making water, ore coming in stronger with each foot of depth.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Battle Mountain, Nevada
September 1, 1952

Narative Report Bentley Mine
Month of August

This month's work consisted of sinking the existing winze an additional 20 feet, leaving eight feet to go on the first part of stage 11 of contract.

The hanging wall dyke is still very heavy ground, and has a tendency to sluff so I am steepening winze and gradually moving into the footwall, leaving a hard casing of ore on the hanging which helps to support it until I can get timber in.

Progress will be faster and cheaper due to this move, The best ore seems to be in the footwall, and values are increasing with each round.

The last sample taken was 4% Pb.,2.5% Zn., .14 Gold, and 8 oz. silver.

Yours very truly,

Ray Jepperson

Ray Jepperson
Supervisor

September 1, 1952
Battle Mountain, Nevada

Mr. Frank B. Keever
Baxter
Placer County
California

Dear Mr. Keever:

I am enclosing herewith statements and data pursuant to my operations as supervisor of the Bentley Mine during August, 1952.

This data is pertinent to the condition for performance of exploration work, records, reports, etc. required for your compliance with Exploration Project Contract No. IDM 282, Docket No. DMEA 433X.

Yours very truly,

Ray Jepperson

Ray Jepperson
Supervisor

Form [illegible] (Rev.) [illegible]
[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.2
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

SEP 2

Stage II

Month of July, 1952 Docket No. DMEA 433x Contract No. IDM 282
Operator's Name Frank Keever Minerals Pb & Zn
Address Baxter, Placer County, California
Contract Amount, $ 20,228.00 Government Participation: 50% Amount, $ 10,708.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1,066	1912.00	2978.00			
Supervision	400.	1200.00	1600.00			
Technical Services Account.		150.00	150.00			
(3) Operating Mat'ls. and Supplies:						
Timber	305.50	656.47	961.97			
Explosives	181.08	504.95	686.03			
Pipe		941.68	941.68			
Track		220.00	220.00			
Operating Exp.	470.96	1481.72	1952.68			
(4) Operating Equipment:						
Rental	300.00	900.00	1200.00			
Purchase						
Depreciation	25.00	75.00	100.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	53.94	169.59	223.53			
Sampling and Analysis	19.00	47.00	66.00			
Payroll Taxes						
Liability Insurance						
Office Supplys	.50	2.76	3.26			
Freight & Transp.	200.00	600.00	800.00			
(8) Contingencies (specify):						
Sinking Pump rent	25.00	75.00	100.00			
Water Press. tank	15.00	45.00	60.00			
Tractor rent		50.00	50.00			
TOTALS	3061.98	9031.17	12,093.15			

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

Date 8/8/52 *Payee Frank B. Keever

Per _____ Title Operator

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

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

(Instructions on reverse)

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

$ 1530.99

Signature Heyd L. Norvell
Authorized Certifying Officer
(Authorized Certifying Officer)

Date AUG 28 1952 Vou. No SF-DMEA-11
(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. Idr-7282 in accordance with the terms of the contract.

Signature George H. Holmes, Jr. Title Acting Chief, Mining Div., Region III Date August 21, 1952.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date August 22, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form DMEA
(April 1952)

Budget Bureau No. 42-R1101
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 2 Docket No. DMEA 433x Contract No. 1[illegible]-288

Operator's Name Frank H Keever Minerals [illegible] & [illegible]

Address Dutch Flat, Placer County, Calif

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	100			2454.99	100	24.55	100	24.5499
Crosscutting								
Raising								
Shafts								
Winzes	50	3061.00	22	3061.00	22	139.19	50	139.19
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Winze, repair	50			2362.00	50	47.24	50	47.24
Total Distributed Costs		3061.00	22	[illegible]				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				4194.00				
New Buildings, Improvements, etc.								
Total Costs		3061.00	22	12093.38				20,288.00

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 8/8/52 Operator Frank B. Keever

Per _____ Title _____

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

(Instructions on reverse)

Remarks: This months work consisted of sinking the existing winze an additional 22 ft. as authorized under stage II. The ground encountered is heavy and caved which necessitates timbering and progressive high costs this month. We are through the caved ground now and costs will fall with further progress.

Roy Jacobsen
Engr.

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Narrative Report Bentley Mine

This months work consisted of sinking the existing winze on additional 22 feet as authorized under stage 2. The ground encountered is heavy & caved which necessitates spiling & excessive high costs this month. We are through the cave ground now & costs should fall with further progress.

Ray Jefferson Supervisor

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

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

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

Month of June, 1952 Docket No. DMEA 553a Contract No. SF-282
Operator's Name Frank Keeper Minerals
Address Baxter, Placer County, Calif.
Contract Amount, $20,238.00 Government Participation 50 % Amount $10,119.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	702.00	1210.00	1912.00			
Supervision	400.00	800.00	1200.00			
Technical Services	50.00	100.00	150.00			
(3) Operating Mat'ls. and Supplies:						
Timber		656.47	656.47			
Explosives	192.95	312.00	504.95			
Pipe	104.23	837.65	941.65			
Track		220.00	220.00			
Operating Exp.	425.50	1036.82	1461.32			
(4) Operating Equipment:						
Rental	300.00	600.00	900.00			
Purchase						
Depreciation	25.00	50.00	75.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	13.65	156.34	169.99			
Sampling and Analysis		47.00	47.00			
Payroll Taxes						
Liability Insurance						
Office Supplies	3.76		3.76			
Freight & Transport.	200.00	400.00	600.00			
(8) Contingencies (specify):		50.00				
Drinking pump Rent	25.00	50.00	75.00			
Water Res. Tank	15.00	30.00	45.00			
Disallowed Exp. May	450.00					
TOTALS	2934.09	6576.10	9511.19			

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

Date 8/3/52 *Payee Frank R. Keeper

Per _____ Title Operator

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

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

(Instructions on reverse)

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

$ 1,467.50

Signature _____
(Authorized Certifying Officer)

Date AUG 27 1952 Vou. No. SF-DMEA-11

(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 A. C. Johnson Title Chief, Mining Div. Region III Date August 8, 1952.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date August 12, 1952

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1953)

Budget Bureau No. 42-R11
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEP 2 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 195 2 Docket No. DMEA 435x Contract No.
Operator's Name Frank Keever Minerals NPI 202
Address Baxter, Placer County Calif. 23 S. 2W

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	100	2454.99	100	2454.99	100	2454.99	100	24.5499
Crosscutting								
Raising								
Shafts								
Winzes clean & repair	50			2383.09	50	2383.09	50	47.6618
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		2454.99	100	4837.08				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.				4194.09				
Total Costs				9031.17				9520.00

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 8/3/52 Operator Frank B. Keever

Per _____ Title _____

Remarks: The months work consists of driving 100 feet of drift along the course of the vein. We encountered a dyke and drove thru same. The last round of shots looks as though we are nearing an ore shoot. I would like to extend the drift another 100 feet. This completes stage I of the contract.
Ray Jefferson

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Attached Sheet Starred Items

Starred Items are in regard to Conference of July 25, 1952 with Mr. Miller and Mr. Norvell in which it was decided due to unforseen circumstances of striking water that pump rental was to be deducted from miscellaneous account. Water pressure tank to be deducted also from Misc. Acc. Freight and transportation was found to be more economical to be contracted out at a flat sum.

Frank B Keever

Ray Jefferson

[illegible]

104 (Rev.)
April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1952 Docket No. DMEA 433x Contract No. IDM 282
Operator's Name Frank Keever Minerals Pb. & Zn
Address Baxter, Placer County, California
Contract Amount, $ 20,228.00 Government Participation: 50% Amount, $ 10,114.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	594.00	616.00	1,210.00	594.00	616.00	1210.00
Supervision	400.00	400.00	800.00	400.00	400.00	800.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	302.05	354.42	656.47	302.05	354.42	656.47
Explosives	169.85	142.15	312.00	169.85	142.15	312.00
Pipe	16.69	820.86	837.55	16.69	820.86	837.55
Track		220.00	220.00		220.00	220.00
Operating mat. and supplies	173.95	882.27	1056.22	173.95	882.27	1056.22
(4) Operating Equipment:						
Rental	575.00	575.00	1,150.00	325.00	325.00	650.00
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	13.55	143.39	156.94	13.55	143.39	156.94
Sampling and Analysis	47.00		47.00	47.00		47.00
Payroll Taxes						
Liability Insurance						
Accounting	100.00		100.00	100.00		100.00
(8) Contingencies (specify):						
Tractor rent to plow snow and repair road		50.00	50.00		50.00	50.00
TOTALS	2,392.09	4,204.09	6,596.18	2142.09	3954.09	6096.18

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

Date June 13, 1952 *Payee Frank B. Keever

Per _____ Title Operator

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 22 1952

*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:

$ 1071.04

Signature Lloyd L. Narvell
(Authorized Certifying Officer)

Date JUL 21 1952 Vou. No. SF-DMEA-1

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature [illegible] Johnson Title [illegible] Date June 23, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

[redacted] 104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1952 Docket No. DMEA 43x Contract No. DMA 282
Operator's Name Frank Keever Minerals Pb. & Zn.
Address Dexter, Placer County, California

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes	50ft	2392.09						
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		2392.09		2392.09				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs				4204.09				
New Buildings, Improvements, etc.								
TOTAL COSTS		2392.09		6596.18				

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

Date June 13, 1952 Operator Frank B. Keever

Per _____ Title Owner

REMARKS: Sinkwork consisted of mucking out, timbering, retimbering and repairing, blasting off footwall of 50 ft. winze

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Ernest R. Jefferson

Office of
Executive Officer
DMEA Field Team
Region III

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

July 22, 1952

Mr. Frank B. Keever
Baxter, Placer County,
California

Subject: Contract No. IDM-8282
Docket DMEA-433X

Dear Mr. Keever:

In processing your April and May 1952 reports, forms MF-104, Claim for Reimbursement, it was found necessary to make the following reductions in items which were not covered by your contract:

April 1952

(4) Operating Equipment		
Rental as claimed		$575.00
Disallowed:		
1 Sponge Pump	$ 25.00	
1 Pressure Tank & Fittings	15.00	
1 Truck Rental	200.00	
1 Air Hoist, etc.		
30.00 claimed - 20.00 allowed		
Partial disallowance	10.00	
	$250.00	250.00
Rental allowed under costs of Stage I		$325.00

May 1952

(4) Operating Equipment		
Rental as claimed		575.00
Disallowed:		
1 Sponge Pump	25.00	
1 Pressure Tank & Fittings	15.00	
1 Truck Rental	200.00	
1 Air Hoist, etc.		
30.00 claimed - 20.00 allowed		
Partial disallowance	10.00	
	$250.00	250.00
Rental allowed under costs of Stage I		$325.00

LLNorvell/wkb
Files
Chrono
Finance - 4

Lloyd L. Norvell
Authorized Certifying Officer

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

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

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

Month of April, 1952 Docket No. DMEA 433x Contract No. IDM 282
Operator's Name Frank Keever Minerals Pb. & Zn
Address Baxter, Placer County, California
Contract Amount, $ 20,228.00 Government Participation: 50% Amount, $ 10,114.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	616.00		616.00	616.00		616.00
Supervision	400.00		400.00	400.00		400.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	354.42		354.42	354.42		354.42
Explosives	142.15		142.15	142.15		142.15
Pipe	820.86		820.86	820.86		820.86
Track	220.00		220.00	220.00		220.00
Operating mat. and supplies	882.27		882.27	882.27		882.27
(4) Operating Equipment:						
Rental	575.00		575.00	325.00		325.00
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	143.39		143.39	143.39		143.39
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify): Tractor rent to plow snow and repair road	50.00		50.00	50.00		50.00
TOTALS	4,204.09		4,204.09	3954.09		3954.09

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 13, 1952 Payee Frank S. Keever
Per _____ Title Operator

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

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

(Instructions on reverse)

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

$ 1977.04

Signature Lloyd L. Morrell (Authorized Certifying Officer)
Authorized Certifying Officer
Date JUL 21 1952 Vou. No. SR DMEA 1
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Id-E282 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Division Region III Date June 23, 1952.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MR-104A
(April 1952)

Budget Bureau No. 42-R11
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1952 Docket No. DMEA 433x Contract No. IDM 282
Operator's Name Frank Keever Minerals Pb. & Zn
Address Baxter, Placer County, California

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs		4,204.09						
New Buildings, Improvements, etc								
TOTAL COSTS		4204.09						

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

Date 6/13/52 Operator Frank B. Keever

Per Title Owner

REMARKS: This work consisted of rehabilitation of 550 feet of drift, retimbering, and replacing track, cutting station and timbering same in preparation of mucking out and rehabiliatating, we found the unusual situation of the winze being full of water

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

Narrative Progree Report
Bentley Mine, Battle Mountain, Nevada
Frank B. Keever, Operator

Month of April, 1952

This work consisted of rehabilitation of 550 feet of drift retimbering and replacing track, cutting station and timbering same in preparation of mucking out and rehabilitating, we found the unusual situation of the winze being full of water.

Ernest R. Jepperson
Ernest R. Jepperson

Office of
Executive Officer
DMEA Field Team
Region III

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

July 22, 1952

Mr. Frank B. Keever
Baxter, Placer County,
California

Subject: Contract No. IDM-E282
Docket DMEA-433X

Dear Mr. Keever:

In processing your April and May 1952 reports, forms MF-104, Claim for Reimbursement, it was found necessary to make the following reductions in items which were not covered by your contract:

April 1952

(4)	Operating Equipment		
	Rental as claimed		$575.00
	Disallowed:		
	1 Sponge Pump	$ 25.00	
	1 Pressure Tank & Fittings	15.00	
	1 Truck Rental	200.00	
	1 Air Hoist, etc.		
	30.00 claimed - 20.00 allowed		
	Partial disallowance	10.00	
		$250.00	250.00
	Rental allowed under costs of Stage I		$325.00

May 1952

(4)	Operating Equipment		
	Rental as claimed		575.00
	Disallowed:		
	1 Sponge Pump	25.00	
	1 Pressure Tank & Fittings	15.00	
	1 Truck Rental	200.00	
	1 Air Hoist, etc.		
	30.00 claimed - 20.00 allowed		
	Partial disallowance	10.00	
		$250.00	250.00
	Rental allowed under costs of Stage I		$325.00

LLMorvell/wkb
Files
Chrono
Finance - 4

Lloyd L. Morvell
Authorized Certifying Officer

A. C. Johnson, Chief, Mining Div., Reg. III June 27, 1952

George H. Holmes, Jr., Mining Engineer, Bureau of Mines

Bentley Mine, Lander County, Nev. Contract Idm-E282.

The Bentley Mine, Lander County, Nev., was visited June 24-26, 1952, to check progress under the exploration project contract, Idm-E282.

Work commenced on April 1 and comprised rehabilitating the West adit, relaying track, installing air line and retimbering caved areas. The adit has been advanced 55 feet following a narrow vein that shows weak mineralization. One miner and a trammer are employed on this phase of the project. Progress has been fair and costs reasonable.

The old 50-foot winze located about 320 feet northeast of the portal of the West adit was cleaned out and retimbered. Water was encountered which necessitated pumping, and some blasting of the footwall was required to permit timbering. This work was unavoidably slow but the winze is now in good condition for resumption of sinking. The bottom of the winze is 44 feet below the bottom of the adit, instead of the reported 50 feet.

Mineralization evident at the bottom of winze comprises a 2-foot hanging wall and a 1-foot footwall stringer which are adequate to justify continuance of the winze under Step II of the exploration project contract. It is recommended this work be authorized to start on July 1.

Mineralization along the 55-foot extension of the West adit is weak with the width of the ore zone ranging from a few inches to 1.5 feet in width. Drifting will continue until June 30 but unless a stronger ore zone is encountered, no further work in this area can be recommended.

Compressed air is furnished by a Gardner-Denver gasoline-driven portable compressor. Drilling is done by a mounted jackhammer. No unusual difficulties have been encountered and work is progressing in a workman-like manner.

George H. Holmes, Jr.

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

PROJECT SUMMARY REPORT

By: J. W. Alt May 25, 1954

1. Docket No. DMA-433X (Lead-Zinc)
Contract No. Idm-E282
Property: Bentley Mine
Location: Lander County, Nevada

Operator: Frank B. Keever
P. O. Box 43
Baxter
Placer County, California

Operator's Property Rights: Owner

2. Contract dated March 31, 1952. To complete - 7 months

Work Authorized

Stage I Clean out, examine, and sample an existing 50 foot winze, the collar of which is on the West Adit level approximately 320 feet from the adit portal.

Advance the West Adit level drift in a Northerly direction not to exceed 100 lineal feet

Estimate of Costs of Stage I $ 9,520.00*

Stage II Sink the existing 50-foot winze an additional 50 feet.

Sink a 50-foot winze from the West Adit level at the most favorable location disclosed by the additional drifting on this level as provided in the work under Stage I of this project.

Estimate of Costs of Stage II	$ 10,708.00*
Total Stage I	$ 9,520.00*
Total Stage II	10,708.00*
Total Cost of Project	$ 20,228.00*
Government Participation	$ 10,114.00

* Allowable maximum

Amendments

No. 1 Dated September 12, 1952
In Exhibit "A" Stage II

1. Delete the second item calling for the sinking of a 50-foot winze from the West Adit level at the most favorable location.

2. Change the first item to read as follows: Sink the existing 50-foot winze an additional 100 feet.

No. 2 Dated October 15, 1952

Completion time extended one month or to November 30, 1952.

No. 3 Dated December 4, 1952

1. Reduce "Operating Equipment, to be Purchased" from $1,305.00 to $905.00.

2. Add under the heading "Operating Equipment, to be rented": Additional rental on 1 Portable Air Compressor at $100/mo. for 4 months $400.00

Work Completed

Work commenced on April 1, 1952 and was ~~terminated~~ completed on November 30, 1952.

The work comprised the rehabilitation and laying of track and air line along the West Adit level and advancing this level 85 feet along the vein. An existing winze, located about 320 feet from the West Adit portal was cleaned out and retimbered to its original depth of 44 feet. The winze was then sunk an additional 87 feet along the dip of the vein for a depth of 131 feet.

The total cost of work completed as billed by Operator $19,752.50

3. Audit Certificate - Dated March 19, 1954

Total cost as billed by the contractor	$ 19,752.50
Less: Proceeds from property disposition	200.00
Less Net billed cost	$ 19,552.50
Exceptions: By DMEA Finance Officer	21.00
Total Accepted Cost	$ 19,531.50
Government Participation	$ 9,765.75

4. Certification Date: No Certification of Discovery issued because no ore was discovered.

5. Work done under the contract and subsequent work carried out by Mr. Jepperson with company funds has adequately tested the possibilities for minable ore bodies in the fault zone in the West Adit of the Bentley Mine. A drift was driven 29 feet northward on the 120-Foot level of the winze, on company account, and a 60 degree angle raise was driven for 65 feet. No ore was encountered and the work was discontinued.

Drifting was along a narrow fissure vein that proved too narrow and low in lead-zinc-silver values to justify further work. The low grade of the mineralized zone penetrated by the winze also does not justify further exploration.

J. W. Alt

J. W. Alt

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

November 17, 1953

Project Summary Report

By: A. G. Keating

1. DMA 433 (Lead-Zinc)
Contract No. Idm-E282
Bentley Group of Claims
Lander County, Nevada

Operator: Frank B. Keever
Baxter, Placer County, California

Operator's Property Rights:
Operator owns 49/50 interest. 1/50 interest owned by L. F. Kengle and H. L. Rosenberry, on which Operator has a 5 year lease.

2. Contract dated 3/31/52 to be completed in 7 months October 7, 1952.
Work authorized:

Stage I	Clean out and examine 50 foot winze Extend West Adit level drift 100 ft.	$ 9,520.00
Stage II	Sink existing winze additional 50 ft. Sink winze most favorable location from west adit level - 50 ft.	$ 10,708.00
	Total Estimated Cost	$ 20,228.00
	Government participation 50 per cent	10,114.00

Work completed (as reported by the Operator for October 1952).

Rehabilitation 320 ft.	$ 4,194.09
Clean out and examine winze 50 ft.	2,382.09
Sinking winze 87 feet at $123.23	10,721.33
Drifting and crosscutting 100 ft. at $24.55	2,454.99
	$ 19,752.50
Balance unexpended	375.50
3/20/53 Total expenditures allowed after audit	19,731.47
Balance unexpended	497.53

3/10/53 - Final report from the Operator states that there has been no ore discovered, values not encouraging enough to warrant further work. Material on hand has been inventoried and ready for liquidation.

4/24/53 - Field Team Final Report

No ore was encountered by the exploration and work was discontinued. Drifting along a narrow fissure the vein proved too narrow and low in lead-zinc-silver values to justify further work. The low grade of mineralization zone penetrated by the winze does not justify further exploration - additional work is not justified. The project should be considered as unsuccessful with no significant discovery.

There remains settlement of material and supplies undisposed of - invoice price $873.45. The Operator has been advised to arrange a settlement of this account (Letters of 7/9/53 - 8/21/53 - 10/29/53) but has not complied.

A. G. Keating

☒ Audited

☐ Certified

WORK ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12/10/54.
Incl. Voucher for ~~October 1952~~.

☒ Actual Cost

☐ Agreed Unit Costs

Name Frank B. Reeves

State Nevada

Commodity Lead-Zinc.

Docket No. DMEA-433X

Idm-E No. 282

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Clean Winze	~~50~~	2,944	~~50~~	~~$2,944.09~~	~~$2,944.09~~
Drifting & Crosscutting	100'	~~$19,000.00~~	100'	~~$2,417.67~~	$2,417.67
Raising				$455	
Shafts					
Winzes	100'	10,708.00	87'	10,921. ~~10,708.33~~	10,537.65
Drilling (Specify)					
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs				6576	6576
Underground Rehabilitation	~~320'~~	6576		~~4,111.09~~	~~4,111.09~~
New Building, Improvements, etc.					
Other (Specify)					
Totals		$20,228.00		$19,731.50	$18,531.50

Salvage
Explosives $150.00
Pipe 50.00
$200.00

Prepared by W. P. Hugenschmidt

71626

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
12/23	[illegible]	500
12/23	[illegible]	130
		~~130~~
		~~130~~
		~~110~~
"	[illegible]	100
		220
		225

DEC 23 1957

Mr. Leon Belaustegui

Battle Mountain, Nevada

Re: Docket No. DMA-433X (Lead-Zinc)
Frank B. Keever
Bentley Mine
Lander County, Nevada
Contract No. Idm-E282

Dear Mr. Belaustegui:

This is with reference to our letter to you of October 25, 1957, regarding data provided with the application on the cited project. We have since been advised by Mr. Frank B. Keever that we may release such information to you.

We are therefore enclosing the following material:

1 Map entitled "East and West Adits, Bentley Mine".
1 Map entitled "Figure 3, Map showing location of samples in oxidized zone, West Adit, Bentley Mines".
5 Settlement sheets, covering ore sales.
1 Typed sheet "Supplemental Sheet #1 to Form MF-100".
2 Sheets, showing vein structures and mine workings.
2 Typed sheets, "Statement of Bentley Mining Claims".

The above covers all material in our files of any significance.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WRGriswold/er 12/19 &23/57
Copy to: Docket
Admr R File
Op. Committee
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region II (2)
Chron.

Enclosures

8623

DATE		
11/22	C	220
11/22	alb	500
		225

Baxter, Placer County
California.
November 14, 1957.

United States
Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

Re: Docket No. DMA-433X (Lead-Zinc)
Frank B. Keever
Bentley Mine
Lander County, Nevada
Contract No. Idm-E282

Attention Mr. C. O. Mittendorf
Administrator:

Mr. Leon Belaustegui of Battle Mountain, Nevada has referred to me your letter of October 25, 1957 to him.

It is quite agreeable to me and you are hereby authorized to release to Mr. Belaustegui the data referred to; also any information your Administration may have gained regarding said Bentley Mine.

Very respectfully Yours

Frank B. Keever

Frank B. Keever

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/25	[illegible]	500
	[illegible]	500
10/25	Johnson	110
	[illegible]	100
10/25	[illegible]	225

OCT 25 1957

Mr. Leon Belaustegui

Battle Mountain, Nevada

Re: Docket No. DMA-433X (Lead-Zinc)
Frank B. Keever
Bentley Mine
Lander County, Nevada
Contract No. Idm-E282

Dear Mr. Belaustegui:

This is to acknowledge your letter, dated October 10, 1957, regarding the cited property which you state you have purchased, and asking us if you can obtain copies of the information submitted with Mr. Keever's application.

As Mr. Keever may consider the data submitted with his application as being confidential, we believe that you should obtain his permission for us to release such information to you. Upon receipt of a written statement from Mr. Keever, we will gladly supply you with a copy of his application for Government exploration assistance.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JWAlt/er 10/25/57
Copy to: Docket
Admr R File
Op. Committee
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region II (2)
Chron.

8623

OFFICIAL FILE COPY
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Battle Mountain, Nevada
Oct. 10, 1957

U. S. Dept. of Interior
D.M.E.A. Dept.
Washington, D. C.

Dear Sirs:

I have acquired by purchasing, the Bently group of claims near Battle Mountain, Nevada.

There was a loan granted on this property by D.M.E.A., dated March 31, 1952. Exploration project, contract Idm E 282, D.M.A. 433 X to Mr. Frank B. Keever.

I would like to know if we could get copies of the information submitted to you to obtain the loan. Also any other information that might be of value to me that you could furnish would be greatly appreciated.

Respectfully yours,
Leon Belaustegui
Leon Belaustegui

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

APR 6 1954

Mr. George Mayer
DMEA Auditor
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Idm-E-185, DMA-866
Hamilton Consolidated
Mines Corporation
and
Idm-E282, DMA-433X
Frank B. Keever

Dear Mr. Mayer:

In accordance with our teletype of April 5, 1954, I am returning herewith for correction your Report of Review covering the first referenced contract and your Audit Report and Certificate covering the second referenced contract.

The Report of Review states that the Hamilton Consolidated Mines Corporation Contract E185 covers a project for the exploration of tungsten, whereas the contract specifies exploration for "Lead-Zinc Ores". Furthermore, you have stated the Government's participation as being 75 percent and have computed the amount certified for payment accordingly. However, this contract is on a basis of 50 percent participation by the Government.

In the Audit Certificate and Report covering the Frank B. Keever Contract E282, you have indicated the proceeds from property disposition as being $100.00. It appears, however, that the proceeds so far as the project was concerned were $200.00 — the $100.00 being the Government's share of the proceeds. At least the records of this office indicate that to be the correct situation since by letter dated March 5, 1954 addressed to Mr. Albert A. Axelrod, Attorney for the Operator, by the Executive Officer, receipt was acknowledged of a check for $100.00 for the Government's interest in the project's property. Furthermore, this amount was indicated on Schedule of Collections SF-DMEA-21 dated March 8, 1954.

It is requested that you correct these reports and the certificate and resubmit them, after which normal distribution can be made without further advice from this office.

Sincerely yours,

Jay L. Chambers, Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
April 6, 1954

Copy to: Docket (2)
Admr. Reading File
Mr. Chambers

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

APR 1 1954

Mr. George Mayer
DMEA Auditor
1012 Flood Building
870 Market Street
San Francisco 2, California

Dear Mr. Mayer:

Receipt is acknowledged of your Reports of Review covering Contracts Idm-2185, DMA-866, Hamilton Consolidated Mines Corporation and Idm-2207, DMA-1640X, W. F. Dunnigan, and an Audit Report and Certificate covering Contract Idm-2282, DMA-431X, Frank B. Keever. The Reports are acceptable and usual distribution may be effected.

Sincerely yours,

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

WBorovies/wb
April 1, 1954

Copy to: Docket (3)
Admr. Reading File
Mr. Chambers

R.S.G.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 8 1954

1012 Flood Building
870 Market Street
San Francisco, Calif.

March 5, 1954

Mr. Albert A. Axelrod
Attorney-at-Law
2002 Russ Building
San Francisco 4, California

Re: Docket DMA-433N (Lead-Zinc)
Frank B. Keever, Bentley Mine
Lander County, Nevada
Contract No. Idm-E282

Dear Mr. Axelrod:

At the request of Mr. Frank B. Keever and upon receipt from him of a check for $100, there is attached a release of the Government's interest in all property, in which the Government has an equity, purchased under the above-cited contract.

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

Enclosure

Copy to: Frank B. Keever
DMEA, Washington, D. C.
Roscoe Smith, USGS
A. C. Johnson, Reno
George Mavor
F. Horton

Government Copy

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 - 1954

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

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

March 5, 1954

To: Frank B. Keever
Baxter, California

The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, for a valuable consideration hereby sells, assigns, transfers and sets over to you all of its right, title and interest in all property acquired under Exploration Project Contract Idm-E282, Docket DMA-433X, dated March 31, 1952.

Dated March 5, 1954

THE UNITED STATES OF AMERICA

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

Copy to: Operating Committee, DMEA, Washington (3)
Finance Officer, Region III
A. C. Johnson, Reno

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 2 - 1954

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

February 26, 1954

Mr. Frank B. Keever
P. O. Box 43
Baxter
Placer County, California

Re: Docket DMA-433X (Lead-Zinc)
Frank B. Keever, Bentley Mine
Lander County, Nevada
Contract No. Idm-E282

Dear Mr. Keever:

Your attention is called to the Shovelin Supply account covering purchases of pipe and other supplies which aggregated $3,426.19 and were charged to the operating costs of subject contract, in which the Government participated 50% or a total of $1,713.10.

This office has recently been informed through the Shovelin Supply that the amount of $1,561.06, covering supplies furnished under the subject contract still remains unpaid. We are at a loss to understand how a condition like this could develop, especially when the Government had fulfilled its part of the contract by paying 50% of the bills. We assumed, of course, that you, the operator, paid the bills as they became due.

A review of the Shovelin Supply invoices revealed that the following pipe and fittings were included in the total purchases made:

500 ft. 2" Galv. Pipe	$334.45
500 ft. 1-1/2" Galv. Pipe	249.00
210 ft. 1-1/4" Galv. Pipe	88.37
21 ft 1-1/2" Black Pipe	8.19
29 ft. 3/4" Pipe	5.80
63 ft. 3/4" Pipe	12.60
42 ft. 1-1/2" Black Pipe	16.80
Misc. Pipe Fittings	228.26
Total Cost	$943.47

As you know, most of the aforementioned pipe has been up for disposal and sale to the highest bidder, without any apparent results so far. In view of the unpaid amount of $1,561.06 due the Shovelin Supply, this may cause some legal technicality which may hold up the disposal of the pipe until you have paid the amount due Shovelin Supply. We would appreciate hearing from you and obtaining your thoughts on how you intend to clear up these unpaid bills.

We are still very anxious to dispose of the salvage property you have in your possession, in which the Government has a 50% equity. The contract cannot be closed until the final accounting of the salvage property has been settled.

Sincerely yours,

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

Copy to: DMEA, Washington, D. C.
Roscoe Smith, USGS
A. C. Johnson, Reno
George Mavor

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

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

January 28, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-433X - Lead-Zinc
Frank B. Keever
Bentley Mine, Lander County, Nevada
Contract Idm-E282

Supplementing previous correspondence in connection with the disposal of materials purchased under the subject contract and in which the Government has an equity, we have quoted below memorandum dated January 22, 1954, from Mr. Frank B. Keever, which pertains to this subject:

"I have not yet obtained any bids for the Bentley materials. Inquiries to Uranium Mines of America, Austin, Nevada, and several individuals have brought no result, also no answer from a letter to Mr. Jepperson, although I learn that he still lives at Copper Basin.

"I am sending other inquiries to individuals and some dealers. Nevada mining I understand is very depressed. I have a party who will probably be interested if and when he realizes some money from things he wishes to sell."

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

Copy to: Roscoe M. Smith, USGS
A. C. Johnson, Reno

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 3 - 1953

Keating
Betty

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

December 1, 1953

Mr. Frank B. Keever
P. O. Box 43
Baxter
Placer County, California

Re: Docket DMA-433X (Lead-Zinc)
Frank B. Keever, Bentley Mine
Lander County, Nevada
Contract No. Idm-8282

Dear Mr. Keever:

We were glad to get your letter of November 25, 1953, informing us that you will take personal action to bring to a conclusion the disposal of the materials purchased under your contract and in which the Government has an equity.

As requested, here is a list of the property involved:

	Invoice Price
500 feet of 2 inch galvanized pipe	$334.45
500 feet of 1-1/2 inch galvanized pipe	249.00
200 feet of 3/4 inch pipe	70.00
2-3/4 tons of 16 pound to 20 pound rail at $80.00 a ton	220.00
Total	$873.45

We greatly appreciate your efforts in helping us close the contract.

Sincerely yours,

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

Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS
A. C. Johnson, Reno

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 23 1953

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

November 18, 1953

Mr. Frank B. Keever
P. O. Box 43
Baxter
Placer County, California

Re: Docket DMA-433X (Lead-Zinc)
Frank B. Keever, Bentley Mine
Lander County, Nevada
Contract Idm-E282

Dear Mr. Keever:

We acknowledge your letter of October 30, 1953. We have delayed replying to that letter thinking that most any day we would hear what progress Mr. Jepperson had made toward disposing of the equipment at your mine, in which the Government has an interest.

We have, however, had no recent communication from Mr. Jepperson, and it seems to us that by now sufficient time has elapsed to permit you to obtain proper action in this matter. We wish to point out that the property in which the Government has an interest is not being protected, and that it is mandatory that the Government's interest be preserved.

We are very anxious to close out this contract and request that you submit written evidence that you have, in fact, made legitimate endeavors to sell the materials by advertising, bids made in writing, or both.

Mr. Jepperson wrote on August 18, 1953, that the best bid he had received was $100, which was not satisfactory to him, and that he would retain the property himself at that price. By the terms of the contract, should you wish to retain the property, or in effect sell it to yourself, you may do so only after having first made every reasonable effort to procure a price higher than you yourself are willing to pay. Your offer to buy the equipment, therefore, should be accompanied by the requested written evidence that legitimate efforts have been made to sell the material by advertising, by bids in writing, or both.

It is not permissible for me to give you a copy of our engineer's and geologist's final report on the work done under the contract. I may tell you, however, that they consider that the drifting done along the narrow fissure vein proved that the vein was too narrow and low in lead-zinc-silver values to justify further work.

The low grade of the mineralized zone penetrated by the winze also does not justify further exploration. Accordingly, we have not certified the project as having resulted in a discovery, and the Government will not claim royalties on any subsequent production.

Kindly give the subject matter of this letter your prompt attention so that we may close the contract without delay.

Sincerely yours,

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

Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS
A. C. Johnson, Reno

FILE COPY
SURNAME: 500

Keating
Selfridge
Hedges
Thayer
Hollenbaugh

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

OCT 29 1953

Mr. H. V. Miller
Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA 433 (Lead-Zinc)
Frank B. Keever
Bentley Mine
Lander County, Nevada
Contract No. Idm-1282

Dear Mr. Miller:

This refers to your letter to the Operator of August 21, 1953, in which you advise him of the method to be used in disposing of equipment in which the Government has an interest so that the contract may be closed. We assume that you have had no reply to your letter.

We note that the equipment referred to consists of used pipe and rails, the purchase price of which was $873.43, that the Operator reports the best bid he has been able to obtain is $100.00 for the lot, and that he would be willing to buy the material at that price himself.

As you know, the Government may withhold up to ten per cent of the estimated amount of the Government's contribution under the terms of the contract until the property in which the Government has an interest has been disposed of.

Under the circumstances, the Operator should submit to you some written evidence that he has, in fact, made legitimate endeavors to sell the material such as advertising, bids made in writing, or both.

Since it appears that sufficient time has elapsed to permit the Operator to obtain proper action in this matter, we suggest that you again communicate with him pointing out that the property is not now being protected and that the Government's interest must be preserved.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

J. H. Hedges

Member, Bureau of Mines (JHB)

T. P. Thayer

Member, Geological Survey (TPT)

(JHB) R. C. 10-29-53

AGKeating/hmj (10-27-53)
CC to: Docket
Adm. H. File
Op. Committee
Mr. Kinkel
Mr. Bishop
Base Metals Division
Chron.

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

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

October 22, 1953

Mr. Ray Jepperson
P. O. Box 24
Battle Mountain, Nevada

Re: Docket DMA-433X (Lead-Zinc)
Frank B. Keever, Bentley Mine
Lander County, Nevada
Contract Idm-E282

Dear Mr. Jepperson:

Reference is made to my letter dated August 21, 1953, in connection with disposal of pipe and rails purchased for $873.45 under the above cited contract.

As the disposal of this property is mandatory before the contract records are complete, I would appreciate receiving from you a list of bids received to date, and if you are interested in acquiring this equipment, you may also stipulate your offer.

Your immediate attention in furnishing the desired information will be appreciated.

Sincerely yours,

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

Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS
A. C. Johnson, Reno
George Mavor
F. Horton
Frank B. Keever, Baxter, Calif.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1953

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

August 21, 1953

Mr. Ray Jepperson
P. O. Box 24
Battle Mountain, Nevada

Re: Docket DMA-433X (Lead-Zinc)
Frank B. Keever, Bentley Mine
Lander County, Nevada
Contract Idm-E282

Dear Mr. Jepperson:

We acknowledge your letter of August 18, 1953, informing us that to that date you have been unable to secure any satisfactory bids on the pipe and rails purchased for $873.45 under the above-cited contract. I note that the best bid you have received is $100 and that you would buy t e material at that price yourself.

You ask what is the minimum amount the Government will accept for its interest. I cannot answer that question except to say that it is the Operator's responsibility to make the best possible disposition of the property for the benefit of the Government.

You, no doubt, have a copy of the mimeographed letter we send out to all Operators when a contract is issued. In case you haven't a copy one is being enclosed herewith. The second paragraph outlines what the Operator should do to dispose of property.

In the third paragraph you will note what you should do if you wish to sell the property to yourself. Accordingly, after you have made every reasonable effort to sell the property and we are satisfied that you have made such efforts, we will then give consideration to an offer from you. Whether we will accept your offer, however, will depend on the amount of your offer and other considerations.

Sincerely yours,

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

Enclosure

Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS
A. C. Johnson, Reno

215

FILE COPY
SURNAME:
800

Chambers

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

AUG 13 1953

DMEA-433

Mr. George Mavor
DMEA Auditor
1012 Flood Building
870 Market Street
San Francisco 2, California

Dear Mr. Mavor:

I have just received a letter from Mr. Talbert in which he mentions my letter of August 6, 1953, to you regarding Contract Idm-E282, Frank B. Keever.

My letter to you was based upon an informal report shown me by the General Accounting Office auditors in which they stated that the documentation of this contract was not adequate. Under the circumstances I thought it would be best to have an on-site audit of the contract. At the time I did not know that it had been put on the on site audit list. Therefore, no further consideration should be given my previous letter.

Sincerely yours,

SIGNED

Jay L. Chambers, Chief
Contract Administration
and Audit Division

JLChambers/ama
August 13, 1953

Copy to: Docket
Admr. Reading File
Mr. Chambers
Mr. Talbert

8-13-53

File

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

1012 Flood Building
870 Market Street
San Francisco 2, California

August 12, 1953

Mr. Jay L. Chambers, Chief
Contract Administration and
Audit Division
Defense Minerals Exploration
Administration
Washington 25, D. C.

Re: Docket DMEA-433X
Contract Idm E-282
Frank B. Keever

Dear Mr. Chambers:

Reference is made to your letter dated August 6, 1953, in connection with the validity of supporting documents accompanying Forms MF-104 for subject operator.

Under date of April 16, 1953, a final audit of subject operator's records was made, however, the audit report is held in abeyance pending final disposition of property in which the Government has a 50 percent equity.

My audit did not reveal any documents for which the validity might be questioned. In addition to the documents attached to the MF-104 the operator also maintained a complete file of duplicate invoices together with cancelled bank checks. Practically all of the documents attached to the MF-104 were certified as being true copies. There may have been one or two instances where the invoice was not certified, such as rental of truck at $200.00 per month and paid to Ray Jefferson, Superintendent; however, items of this description were authorized under terms of the contract.

Sincerely yours,

George Mavor

George Mavor
DMEA Auditor

FILE COPY
SUBJECT:

Chambers

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

AUG 6 1953

Mr. George Meyer
DMEA Auditor
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket DMEA-433X (Lead-Zinc)
Contract No. Ida-2262
Frank B. Kenney

Dear Mr. Meyer:

Some questions have been raised about the validity of the supporting documents accompanying Forms MF-104 on the above-cited contract.

I wish you would talk the matter over with Mr. Miller and suggest that it might be advisable in the long run to make an on-site audit of this account.

Please let me know Mr. Miller's reaction on this suggestion.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Chief
Contract Administration
and Audit Division

JLChambers/wb
August 6, 1953

Copy to: Docket
Admr. Reading File
Mr. Griswold
Mr. Chambers

R.C.G.
8-6-53

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

RECEIVED
JUL 1 0 1953

Office of
Executive Officer
DMEA Field Team
Region III

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

July 9, 1953

Mr. Ray Jepperson
P. O. Box 24
Battle Mountain, Nevada

Re: Docket DMEA-433 (Lead-Zinc)
Frank B. Keever, Bentley Mine
Lander County, Nevada, Contract Idm-E282

Dear Mr. Jepperson:

Reference is made to my letter dated January 6, 1953, in connection with disposal of property in which the Government has a 50 percent equity, and it was my understanding that you were obtaining bids on the following property:

	Invoice Price
500 feet of 2 inch galvanized pipe.....	$334.45
500 feet of 1 1/2 inch galvanized pipe.....	249.00
200 feet of 3/4 inch pipe.....	70.00
2 - 3/4 tons of 16 pounds to 20 pounds rail at $80.00 a ton.....	220.00
Total.....	$873.45

This contract cannot be closed, until the disposal of the above property has been properly accounted for. Therefore, I would appreciate your taking immediate action to dispose of this property in order to complete the contract requirements.

Sincerely yours,

H. C. MILLER

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

Copy to: DMEA, Washington, D.C.
E. H. Bailey, USGS
A. C. Johnson, Reno

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

BL

Office of
Executive Officer
DMEA Field Team
Region III

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 27 1953

April 21, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-433 (Lead-Zinc)
Frank B. Keever, Bentley Mine
Lander County, Nevada, Contract Idm-E282

Relative to subject docket and your letter of April 17, we are enclosing ~~four~~ 3 copies of the Operator's Final Report on the project.

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

Attachment

Copy to: E. H. Bailey (With copy of report)
George Mavor

Final Report and completion
DMEA-433x (lead-Zinc)
Frank B Keever
Bentley Mine, Bander County Nevada
Contract Idm-282

The following work has been completed under stage one of said contract.

The original winze was missed in the initial work started due to the misleading fact that about 20 feet of a winze had been partially cleaned out and all concerned took this fact to indicate that the original winze was located at this point. We carried on this work by retimbering and repairing this point and continued to clean it out. at a depth of about 30 feet we found that we were inan old stope and that the walls came together and the vein about two feet wide. We continued on with this work due to our hoisting facilities being set up at this point and the fact that the original winze depth was only fifty feet. We blasted off the foot and hanging wall and retimbered this stope for another 12 feet and encountered track which indicated the winze was 42 feet deep and the original winze was north of us. We continued and advanced the west adit level drift in a northerly direction for approximately 100 feet losing all values and encountering the oxidized zone again so abandoned this and returned to the winze to carry on stage II of the contract.

When we returned to the winze we found that there was a slight water seepage and had to install pumps, then continued with the sinking program which consisted of sinking the winze an additional 50 feet., to the 92 foot level. Then on an ammendment no. 1 dated September 12, 1952 authorizing an additional 50 feet the winze was put down to a depth of 131 feet. There was no encouraging values encountered at this depth and as the available funds were used up and application for additional funds was submitted. While waiting for Engineers inspection the mine was kept pumped out and at our own expense we went ahead with further exploration work which consisted of driving a drift northerly for 65 ft. 25 feet and raising on a northerly 56 degree direction in order to get below the old existing winze to satisfy our selves whether there was a downward extension of the values shown in an old assay map of the mine. There was no encouraging values exposed in this additional work.

There has been no ore discovered and the values were not encouraging enough for us to do any further work.

The project has been abandoned and the equipment moved off.

The pipe has been pulled from the winze and piled in the drift in order to save it from water.

The material in which the government retains an interest has been inventoried by the Bureau of Mines Engineer, Reno Office and is ready for liquidation and salvage.

Ray Jepperson

Ray Jepperson
Supervisor
March 10, 1953

OPERATORS FINAL REPORT

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1973 APR 21 AM 8:46

SAN FRANCISCO, CALIFORNIA

FILE COPY
SURNAME:

500

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

Keating
Miller
Letter
Chronology

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

APR 17 1953

Re: Docket No. DMEA-433 (Lead-Zinc)
Frank B. Keever
Bentley Mine
Lander County, Nevada
Contract No. Idm-M282

J.C. 4/17/53

Dear Mr. Miller:

Receipt of the "Final Report" from your office on the subject company is acknowledged. However, we do not have the Operator's final report and this should be in our files, if possible, before a letter of termination is sent to the Operator. We will appreciate your advising us regarding this report.

Sincerely yours,

George C. Selfridge (JB)
Chairman, Operating Committee

APPROVED:

J. H. Hodges (JB)
Member, Bureau of Mines

A. R. Kinkel, Jr. (JB)
Member, Geological Survey

ACKeating/bjl (written 4/16/53)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Bishop
Mr. Kinkel
Chron.

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

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 30 1953

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

March 24, 1953

FINAL
FY. REP.

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Final Report

Attached are four copies of Final Report on -

Docket DMEA-433

Contract Idm-E282

Commodity Lead-Zinc

Operator - Frank B. Keever, Battle Mountain, Nevada

Property - Bentley Mine, Lander County, Nevada

By Henry W. Jones, Mining Engineer

Ralph J. Roberts, Geologist

Dated March 20, 1953

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

Attachment

Copy to: E. H. Bailey, USGS (With copy of report)
George Mavor

Reviewed by
DMEA OPERATING COMMITTEE

4-3-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 30 1953

Final Report

Idm-E282

DMEA-433X, Bentley Mine

Lander County, Nev.

(lead-zinc)

Henry W. Jones, Mining Engineer
U. S. Bureau of Mines

Ralph J. Roberts, Geologist
U. S. Geological Survey

March 20, 1953

Reviewed by
DMEA OPERATING COMMITTEE
4-3-53
(date)

FINAL REPORT

Docket No.: DMEA-433X (lead-zinc)

Name and address of operator: Frank B. Keever
Battle Mountain, Nevada

Name and location of property: Bentley Mine,
Lander County, Nevada

Contract No.: Idm-E282

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

The Bentley mine was explored under DMEA contract Idm-E282 between April 1, 1952 and November 30, 1952.

Work done under the contract and subsequent work carried out by Mr. Jepperson with company funds has adequately tested the possibilities for mineable ore bodies in the fault zone in the west adit of the Bentley mine. The work comprised the rehabilitation and laying of track and air line along the West adit level and advancing this level 85 feet along the vein. No ore of commercial value was found. An existing winze, located about 320 feet from the West adit portal was cleaned out and retimbered to its original depth of 44 feet. The winze was then sunk an additional 87 feet along the dip of the vein for a depth of 131 feet. A drift was driven 29 feet northward on the 120-foot level of the winze, on company account, and a 60 degree angle raise was driven for 65 feet. No ore was encountered and the work was discontinued. Total cost of the project was $19,731.47.

The mine workings are in sandstone, shale, and calcareous shale of the Harmony formation. In the mine area this formation strikes northwestward and dips 20° to 30° northeastward. It has been cut by faults that strike northeastward and dip 45° to 80° northwestward which locally contain lead-silver ore bodies. The mined ore bodies consisted largely of oxidized ore from above the adit level, 2 feet or less in thickness and 30 to 120 feet long. Early production is not known but since 1939 a total of 109.2 tons of lead-silver ore have been shipped.

Drifting was along a narrow fissure vein that proved too narrow and low in lead-zinc-silver values to justify further work. The low grade of the mineralized zone penetrated by the winze also does not justify further exploration.

It is recommended that:

1. No additional exploration work be considered. Assays of the spotty mineralization down the winze and the narrow width and low grade of the fissure vein along the drift, do not justify additional work.

2. DMEA should certify the project as unsuccessful with no significant discovery. The Government is not entitled to royalties from subsequent production.

3. Size and grade of the mineralization encountered is not adequate to make production economically feasible at current metal prices.

DESCRIPTION OF THE WORK COMPLETED

The DMEA contract with Frank B. Keever was signed on March 31, 1952. Work commenced on April 1 and was terminated on November 30, 1952. An amendment to the contract was made which allowed one month extension of time to complete the work.

The program consisted of two stages: Stage I - to explore the fault zone on the adit level by drifting northward, clean out, examine and sample an existing 50-foot winze; Stage II - sink the existing winze an additional 50 feet, and sink a 50-foot winze from a favorable location in the West adit, down the dip of the vein.

Stage I: Exploratory work consisting of 85 feet of drifting was completed. Drifting was along a narrow fault zone that contained some low grade sulfide showings. After the 85 feet of drifting had been completed, work was stopped because the lead and zinc minerals found were too sparse to justify further exploration along the strike of the fault.

Stage II: An existing winze was cleaned out to its original depth of 44 feet below the West adit level and then was sunk an additional 24 feet. Encouraging lead and zinc sulfide showings were encountered at a point 62 feet below the adit level; consequently, the original exploration program was changed to sink 100 feet from the bottom of the old winze rather than sink two 50-foot winzes. During the sinking below the adit level, small pockets of lead-zinc sulfides were encountered, but none of them were of mineable size and grade. Before the completion of this work, project funds were

almost exhausted and government participation in the project ended.

Mr. Jepperson, the lessee, decided to continue work at company expense. A drift was driven to the north on the 120-foot level in the winze. No ore was encountered and after drifting 29 feet, he decided to raise at a 60 degree ancle to check reports that some ore remained in the bottom of an old winze to the north. After raising 65 feet without encountering any ore or promising showings, the work was discontinued.

DESCRIPTION OF THE GEOLOGY

The workings of the Bentley Mine are in sandstone, shale, and calcareous shale of the Harmony formation of carboniferous age. In the mine area the Harmony formation strikes northwestward and dips 20° to 30° northeastward. It has been cut by faults that strike northeastward and dip 45° - 80° northwestward which locally contain lead-silver ore bodies. Andesite dikes in places cut across the faults, and in other places follow the faults.

ORE DEPOSITS

The ore bodies that have been mined at the Bentley Mine occur in the fault zones that strike northeastward. Above the adit level, the ore is oxidized and consists largely of iron oxides and secondary lead and zinc minerals; at the winze the oxidized zone extends about 65 feet below the adit level. In the sulfide zone, the fault zone contains sparse pods of sphalerite and pyrite with a little galena, chalcopyrite, and stibnite.

The ore bodies that have been mined consisted largely of oxidized ore from above the adit level. The bodies were narrow, ranging from a few inches to six feet thick. Most of the stopes were 2 feet or less thick, 30 to 120 feet long, and extended as much as 55 feet down dip. In the East adit the stopes are narrow and their long axes are nearly normal to the fault. In the West adit one stope paralleled the fault and was 120 feet long; it was stoped upward 20 to 30 feet in most places, and at one spot extended 55 feet up the dip.

The early production of the Bentley mine is not known, but it is doubtful that shipments exceeded 100 tons of lead-silver ore prior to 1939. Since 1939, four small shipments have been made; these shipments are summarized below:

Year	Tons	Gold Oz.per ton	Silver Oz. per ton	Lead Percent	Copper Percent	Zinc Percent
1940	25.65	0.12	23.7	3.7	2.7	1.3
1941	18.86	0.11	22.7	3.7	0.3	1.2
1948	25.15	0.185	20.6	9.6	0.2	0.6
1949	39.37	0.14	18.05	6.0	1.2	-
Total	109.23					

ASSAY DATA

Sample No.	%,Pb	%,Zn	%,Cu	Oz.Au/T	Oz.Ag/T	Ft. Width	Location
Holmes							
137	1.4	0.5	-	0.09	3.1	1.5	West adit, 48 feet from start of contact.
138	1.2	1.9	-	0.07	1.5	2.0	Winze hanging wall 44-foot depth.
139	3.7	2.1	-	0.04	5.2	1.0	Winze footwall, 44-foot depth.
140	0.3	0.3	-	0.03	0.5	2.0	Face East adit.
143	0.1	0.3	-	0.01	0.10	3.0	West adit footwall 68 feet.
144	1.4	0.3	-	0.31	1.70	1.0	West adit hanging wall 68 feet.
147	1.2	0.7	0.05	0.24	1.95	1.0	West adit hanging wall gouge 85 feet.
148	0.4	0.5	0.03	0.01	0.60	3.4	West adit footwall 85 feet.
149	0.3	0.5	0.12	0.02	1.20	2.0	West adit hanging wall 54 feet.
150	0.2	0.4	0.35	0.07	1.35	1.4	West adit picked sample 34 feet.
160	1.3	2.5	0.06	0.025	3.40	5.0	Winze north side 72 feet depth
161	2.5	4.4	0.04	0.11	4.75	8.0	Winze footwall 72 feet depth.
Jones							
1	2.8	5.0	0.10	0.14	3.90	3.0	Winze hanging wall 84-foot depth.
2	2.9	5.7	0.05	0.10	6.10	Picked	winze footwall 84-foot depth.
6	0.2	1.0	0.07	0.10	0.70		27 inches. Winze vein, 97-foot depth.
9	0.3	0.6	0.05	0.05	0.55	6.0	Winze south side 112-foot depth.
10	0.2	0.4	0.04	0.11	0.60		11 inches. Winze gouge 112-foot depth.
11	1.1	2.9	0.19	0.03	3.75		Composite winze footwass, 106-foot depth.

EXPENDITURES

a.	Total approved	$20,228.00
b.	Total cost of project	$19,731.47
c.	Government share of cost	$ 9,865.73
d.	Government share, unexpended	$ 248.27
e.	Value of production during operations and Government royalty	None

No production was made from the mine during the DMEA exploration project. No royalty payments are due the Government.

EFFICIENCY OF OPERATIONS

Stage I of the DMEA contract, which comprised rehabilitation of the West adit and extending it 85 feet, was done efficiently and at a reasonable cost. Stage II comprised sinking the existing winze 87 feet, instead of the specified 100 feet. This work was not done in an efficient manner and resultant costs were high.

Slowness and inefficiency of operations during winze sinking was due in part to heavy ground that required close timbering and lagging; lack of proper ventilation which necessitated a delay of 24 to 36 hours before miners could return to the winze bottom; difficulty in obtaining competent shaft men and miners; and inclement weather.

EQUIPMENT PURCHASED FOR PROJECT

The original allowance of $1,305.00 for the purchase of operating equipment was reduced by an amendment to the contract to $905.00; the $400.00 being transferred to rented operating equipment. The only equipment purchased consists of air and water pipe and mine track; all of which was bought second hand and in poor condition.

Invoices indicated the following items and amount purchased:

500 feet of 2-inch galv. pipe	$334.45
500 feet of 1½-inch galv. pipe	249.00
200 feet of 3/4-inch pipe	70.00
2-3/4 tons of 16# to 20# rail @ $80/ton . .	220.00
	$872.45

An inventory was made on the items present on the mining property and are listed as follows:

790 feet of 2-inch assorted pipe
300 feet of 1½-inch assorted pipe
195 feet of 3/4-inch pipe
1,600 feet of 16# rail = 4.226 tons
Assorted pipe sleeves, unions, and elbows

The rail and most of the pipe is still in place within the mine. Invoices indicate the original value of the material to be $872.45. Labor to remove the pipe and rail would approximate $300.00, leaving a value of $572.45. The Government has a 50% equity in this material, therefore should receive as its share approximately $286.00 for these supplies.

It is recommended that the operator endeavor to dispose of the pipe and rail in place in the mine by obtaining bids, for the joint account of the Government and the operator, or to buy the Government's estimated equity in the property.

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 23 1953

1012 Flood Building
870 Market Street
San Francisco 3, Calif.

March 18, 1953

Memorandum

To: A. C. Johnson, Bureau of Mines, Reno, Nevada

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-433X (Lead-Zinc)
Bentley Mine, Lander County, Nevada
Contract Idm-[illegible]

In reply to a suggestion of mine to Mr. Frank B. Keever that the best way to handle his possible request for additional exploration (which the results of work done under the captioned contract indicate might not be justified) was to close out the present contract and then make an entirely new application for additional work, I have the following to report.

In a letter to me, dated March 18, Mr. Keever agrees to close out contract Idm-[illegible] and to dispose of salvageable material. He states that he does not know how to dispose of the salvageable material so you should inform him of the procedure to be followed.

Unless you already have his final report, you should request it of him and send the required number of copies to this office, along with the engineer's and geologist's final report and recommendations.

[H. C. MILLER

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

Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS

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

Gorsuch
Keating
Betty

Office of
Executive Officer
DMEA Field Team
Region III

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

March 10, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-433 (Lead, Zinc, Silver)
Frank B. Keever, Bentley Mining Claims,
Lander County, Nevada, Contract Idm-E282

Reference is made to your letter of March 2, requesting information and data on the applicant's request for additional work. We apologize for not replying directly to your November 17, 1952, request. We feel, however, that if the engineers in the Washington office had read the carbon copies of letters we sent them, which related to the mentioned request, they would have been able to follow its developments.

As per my memorandum to A. C. Johnson, dated November 24, 1952, (carbon copy to DMEA) we requested recommendations and suggested the possible means for a field examination to see whether the request had merit.

By carbon copy of the letter to Mr. Ray Jepperson, dated February 19, you were informed that the field examination had been made. The inference to be gained from that letter is that the results of the examination are not encouraging and that Mr. Jepperson is planning not to carry through with his request for additional funds.

Subsequently, definite information has been received from Mr. Jepperson that he is through with the project; that the allotted funds have been spent, and a final report has been ordered.

By copy of a letter, dated March 6, which you received after your March 2 letter was written, you will note that Mr. Keever may want additional funds, but that I suggested winding up the present loan and starting anew. I wrote him that way, because I had great

doubts that we will recommend any additional work at the Bentley Mines.

The final field report should be available to you shortly.

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

Copy to: E. H. Bailey, USGS

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 10 1953

March 6, 1953

Mr. Frank B. Keever
Baxter
Placer County, California

Re: Docket DMA-433X (Lead-Zinc)
Bentley Mine, Lander County, Nev.
Contract Idm-E282

Dear Mr. Keever:

We acknowledge your letter of February 28, informing us that Mr. Jepperson had no authority to instruct us that the program at the Bentley Mine was to be abandoned.

As you undoubtedly know, Mr. Jepperson had made a request for [illegible]onal exploration and, on the strength of that request, we [illegible]all [illegible] an examination of your property to determine if the [illegible]qu[illegible] [illegible]ranted further consideration. Mr. Jepperson telephoned [illegible] or[illegible]ry 8 that he was keeping the mine unwatered so our engineers and geologists could make such an examination. We, therefore, asked our engineers and geologists to examine the mine as soon as possible so as to minimize the expense of keeping it unwatered.

We have not yet received the reports of our engineers and geologists, but apparently they conveyed the thought to Mr. Jepperson while they were at the mine that the possibility of discovering a commercial ore body by the additional work was not too encouraging.

Your account has not yet been finally audited, but a hasty examination of it indicates that the amount allowed under the contract has virtually been spent.

You state in your letter that you would like to have the application for further participation by the Government remain in process or effect, for the time being at least. I do not believe that this can be done that easily, inasmuch as the money allotted under the contract has been spent and the likelihood that the recent examination showed that the proposed additional work is not warranted.

It would seem to me that the best thing to do would be to close out Contract Idm-[illegible] and to dispose of any salvageable material. If you then feel that additional exploration is desirable, you should make a new application for such work, which, if approved by the Defense Minerals Exploration Administration, would give you a new contract to work under.

I would be glad to discuss these matters with you further at any time.

Sincerely yours,

N. C. MILLER

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

Copy to: DMEA, Washington, D.C. (2)
E. H. Bailey, USGS
A. C. Johnson, Reno

FILE COPY
SURNAME:

Selfridge

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

MAR 2 1953

Mr. M. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA-433 (Lead, Zinc, Silver)
Frank B. Keever
Bentley Mining Claims
Lander County, Nevada
Contract No. Idm-E282

Dear Mr. Miller:

A recent review of the subject docket shows that we have not received a reply from you to our letter of November 17, 1952 and that the matter of approving additional funds for the project is still pending.

Will you please furnish us with either the substantiating data and recommendations from your office requested in our letter of November 17 or with the final field report if it is available?

Sincerely yours,

George C. Selfridge (GWB)

Chairman, Operating Committee

S.H. 3/2/53

APPROVED:

J. H. Hedges (GWB)
Member, Bureau of Mines

D. M. Lemmon (GWB)
Member, Geological Survey

FXCorbett/bjl 2-27-53
GCSelfridge/pa 3-2-53

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals Div.
Mr. Kinkle
Mr. Bishop
Chron.

7210.

February 19, 1953

Memorandum

To: Miss Lanahan, Statistics & Control Div., DMEA

From: Hazel Berry, Operating Committee, DMEA HB

Subject: Amendment 3, DMEA-433, Idm-E282, Frank B. Keever

Attached is the docket copy of the above-referenced amendment. By letter dated February 18, 1953, signed by the Administrator, approval was given to this amendment. It seems that the Field acted outside its delegated authority with respect to certain item in the amendment and it was necessary for Mr. Mittendorf to given approval.

Attachment

COPY

January 23, 1953

Memorandum

To: Hazel Berry, Secretary to the Operating Committee

From: Anne M. Alley, Contract Administration and Audit Division

Subject: Contract Amendments

* * * * * * *

There is attached Amendment No. 3 to Contract Idm-E282, Docket No. DMEA-433X, Frank B. Keever, which this Division is unable to approve as it provides for an increase in the total cost of operating equipment to be rented, which item is an allowable maximum under the terms of the contract.

(Signed) Anne

Attachment.

NOTE: Mr. Chamber's copy of the Amendment was returned pending action taken by the Legal Division.

RECEIVED
FEB 10 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 19 1953

Office of
Executive Officer
DMEA Field Team
Region III

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

January 14, 1953

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Frank B. Keever - Docket DMEA-433, Amendment No. 3, (Lead-Zinc), Contract Idm-E282

Reference is made to your letter, dated January 7, with which you returned copies of Amendment No. 3 to the captioned contract for correction because of a mathematical error in the penultimate paragraph. You state $800.00 and $1,200.00 should be $900.00 and $1,300.00 respectively.

The $800.00 figure is the total, as given in the contract, of the cost of "Operating Equipment, to be rented." The only way I can get a $900.00 figure is to add the cost ($100.00) of "Operating Equipment, to be furnished by Operator," to the $800.00.

The amendment, however, does not state that the total cost of Operating Equipment, to be rented and Operating Equipment, to be furnished by Operator, which amounts to $900.00, will be increased $400.00, but rather the increase is in the item total cost of Operating Equipment, to be rented.

I believe the amendment is correct as prepared and the three Washington copies thereof are being returned to you unchanged with the request that they be returned to me again if incorrect.

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

Attachments

Copy to: E. H. Bailey, USGS

FILE COPY
SURNAME:

SOC

Chamberlain
Gilmore
Griswold
Jackson
Vanisma
Keating
Lemmon
Hedges
Selfridge

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

FEB 1 9 1953

Mr. H. C. Miller
Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket DMEA-(3)X (Lead-Zinc)
Contract No. Ida-2282
Frank B. Keever

Dear Mr. Miller:

J.C. 2/19/53

After examining Amendment No. 3 to the above-cited contract, which was signed by you for the Government and by Mr. Frank B. Keever for himself, I note that the additional rental of $100 per month for four months for a portable air compressor is an increase of the rental allowed under the contract which established an allowable maximum for this item.

I think the justification given by you for making the amendment is satisfactory; however, your delegated authority does not include the increasing of maximum items stated in a DMEA contract without the approval of the Washington Office. For this reason I am formally sending you this memorandum of approval of Amendment No. 3. Please have the Certifying Officer attach my approval to the amendment itself which will authorize him to make payments in accordance with the terms of the contract as amended.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

JIChambers/wb
February 13, 1953

Copy to: Docket
Admr. Reading File
Region III (2)
Administrator
Mr. Griswold
Mr. Chambers

Operating Committee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

Office of
Executive Officer
DMA Field Team
Region III

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

February 19, 1953

Mr. Ray Jepperson
P. O. Box 24
Battle Mountain, Nevada

Re: Docket DMA-433 (Lead-Zinc)
Frank B. Keever
Bentley Mine, Lander County,
Nevada, Contract Idm-8282

Dear Mr. Jepperson:

We acknowledge your letter of February 15 informing us that Mr. Roberts of the Geological Survey and his crew have completed their inspection of the Bentley Mine. This examination was made as a result of your request for additional exploration. We have not yet received Mr. Roberts' report so that your statement that he was not impressed with the showings of the mine is news to us.

We note that as a result of Mr. Roberts' examination and I assume your discussions with him, you intend to abandon the project and not request additional funds.

I have checked with our auditor and find that you have submitted vouchers to October 31, 1952, amounting to $19,752.47 and that our Finance Office has allowed $19,731.47. The difference of $21.00 is accounted for as the difference between the $8,519.00 you turned in for labor and supervision and the maximum ($8,498.00) allowed by the contract.

A request is going forward today to our Mining Division to make a final report on the project. At that time the engineer will discuss the inventory of the material purchased under the contract and if it has not been disposed of by that time, he will determine its salvage value. In the meantime, you should be guided by the mimeographed statement we sent you on January 6 and attempt to dispose of the material for the highest amount you can get for it.

After we get the engineer's final report, we will then request the DMA auditor to make his final audit.

Sincerely yours,
H. C. MILLER
H. C. Miller
Executive Officer
DMA Field Team, Region III

Copy to: Frank B. Keever, Baxter, Placer County, California
DMA, Washington
E. H. Bailey, USGS
A. C. Johnson, Reno

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

February 18, 1953

Memorandum

To: Mr. W. R. Griswold

From: Erwin J. Lyons

Subject: Recommendation for denial of additional funds

Re: Docket DMEA-433
Frank B. Keever
Bentley Mining Claims
Lander County, Nevada
Total cost: $40,673.75
Lead-zinc-silver

Applicant has requested additional funds to continue the exploration of the Bentley mining claims. Interim reports submitted by the DMEA engineer indicate that the mineralization found to date is very low grade. The interim report of December 11, 1952 recommends that no consideration be given requests for additional funds. The present reviewer concurs with this recommendation.

Erwin J. Lyons

Erwin J. Lyons
Geologist

FILE COPY
SURNAME:

800

Chambers

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

Memorandum

February 13, 1953

To: Administrator

From: Jay L. Chambers, Chief (Signed) J. L. Chambers
Contract Administration and Audit Division

Subject: Amendment No. 3, DMEA-435X, Idm-2262
Frank B. Keever

N.S. in R.R.

Your attention is called to the above-cited amendment to a DMEA contract with Mr. Frank B. Keever, signed by Mr. H. C. Miller, Executive Officer Field Team Region III.

Paragraph (2) increases the rental of one Portable Air Compressor by $100 for four months or a total of $400, which also increases the "Operating Equipment, to be rented" from $800 to $1,200. The contract itself specifically establishes a minimum of $800 on rented equipment. It appears that the contractor had to pay $100 a month more for a portable air compressor than was contemplated in the contract, but since the contract item of $800 was made a maximum, Mr. Miller does not have the authority to increase the amount for this item without the approval of the Administrator of DMEA.

I suggest that you write an approval if you concur with Mr. Miller's amendment and send appropriate copies to Mr. Miller to be placed in the official files of the Certifying Officer. Otherwise, the Certifying Officer will have to disallow any payments for rentals for this project in excess of $800.

I am enclosing a proposed letter to accomplish your approval in case you agree to the amendment.

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

Keating
Betty

February 2, 1953

Memorandum

To: George Keating, Chief Lead-Zinc Branch DMEA

From: O. M. Bishop, Base Metals Branch, U.S.B.M.

Subject: Amendment to DMEA Docket 433X seeking authorization for an additional $40,673 for exploration.

It is recommended that the application received November 7, 1952 be denied, for the reason that interim reports dated August 11, October 15 and December 11 show the lead-zinc values to be too low to warrant further expenditure of $40,673.

O. M. Bishop

O. M. Bishop

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 16 1953

Office of
Executive Officer
DMEA Field Team
Region III

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

January 14, 1953

Memorandum

To: Frank H. Johnson, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Frank B. Keever - Docket DMEA-433, Amendment No. 3, (Lead-Zinc), Contract Idm-[illegible]

Reference is made to your letter, dated January 7, with which you returned copies of Amendment No. 3 to the captioned contract for correction because of a mathematical error in the penultimate paragraph. You state $800.00 and $1,200.00 should be $900.00 and $1,300.00 respectively.

The $800.00 figure is the total, as given in the contract, of the cost of "Operating Equipment, to be rented." The only way I can get a $900.00 figure is to add the cost ($100.00) of "Operating Equipment, to be furnished by Operator," to the $800.00.

The amendment, however, does not state that the total cost of Operating Equipment, to be rented and Operating Equipment, to be furnished by Operator, which amounts to $800.00, will be increased $400.00, but rather the increase is in the item total cost of Operating Equipment, to be rented.

I believe the amendment is correct as prepared and the three Washington copies thereof are being returned to you unchanged with the request that they be returned to me again if incorrect.

H. C. MILLER

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

Attachments

Copy to: E. H. Bailey, USGS

HCMiller:mpp
Files
Chron.

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

January 7, 1953

Mr. H. C. Miller
Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Frank B. Keever
Docket No. DMEA-433
Amendment No. 3 (lead-zinc)
Contract No. Idm-E282

Dear Mr. Miller:

The copies of Amendment No. 3 enclosed in your letter of December 16, are being returned for correction as the penultimate paragraph contains a mathematical error. The figures $800.00 and $1,200.00 should be $900.00 and $1,300.00 respectively.

Kindly see that all copies are changed accordingly.

Sincerely yours,

/s/ Frank E. Johnson

Chairman, Operating Committee

APPROVED:

/s/ J. H. Hedges
Member, Bureau of Mines

/s/ A. R. Kinkel, Jr.
Member, Geological Survey

This letter sent in error — the figures $800 & $1200 are correct —
Kane wrote letter.

433

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1953

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: December 31, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 433X

Contract Idm-E 282

Commodity Lead-Zinc

Operator - Frank B. Keever
Battle Mountain, Nevada

Property - Bentley Mine
Lander County, Nevada

Finished Soon

By Henry W. Jones, Mining Engineer

Dated December 11, 1952

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

Attachment

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

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

INTERIM REPORT

Docket No.: DMEA-433X Dec. 11, 1952

Name and address of operator: Frank B. Keever
Battle Mountain, Nev.

Name and location of property: Bentley Mine
Lander County, Nev.

Contract No.: Idm-E282

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The Bentley mine was inspected on Dec. 2, 1952 to check the monthly progress performed under the DMEA contract agreement and to obtain information as a preparatory step in writing the final report. Government funds allotted the project were used up in the early part of November but work has been continued with the aid of private finances. Since the inspection of Nov. 4, 1952, work consisted of the construction of a 12- by 16-foot compressor shed and change room, and the sinking of the winze from 108 feet to 112 feet, an advance of 4 feet.

The 100 feet of sinking as prescribed in the Government contract was not fulfilled with the allotted funds due to slow progress and inefficient operations. In view of the spotty and low grade lead-zinc-silver mineralization encountered in the winze and with no immediate indications of increasing values, it is recommended no further consideration be given the request for further exploration. It is also recommended a U.S.G.S. geologist visit the property for the purpose of assisting in the preparation of the final joint Bureau-Survey report.

STATEMENT OF WORK COMPLETED

The Bentley mine was inspected on Dec. 2, 1952 by an engineer of the Bureau of Mines for the purpose of checking the monthly progress performed under the DMEA contract agreement and to obtain necessary information as a preparatory step in the writing of the final report. E. R. Jepperson, superintendent, accompanied the engineer in the inspection of the winze. Work since the inspection of Nov. 4, 1952, consisted of the construction of a 12- by 16-foot enclosed sheet metal compressor shed and change room, and the sinking of the winze from 108 feet to 112 feet, an advance of 4 feet.

COMMENTS ON PROGRESS

Progress during the past month has been unduly slow. The lack of progress can be attributed in part to inclement weather and repair work on the equipment. The road leading to the mine was graded and rocks thrown out prior to the period of stormy conditions. The compressor, after the repairs were completed, was moved to the opposite side of the dump and a 12- by 16-foot enclosed sheet metal shed was erected over it, which serves also as a tool and change room. Construction of the shed used up the remainder of available Government funds. Progress since then cannot be subject to Government regulation inspection.

SAMPLING

Three samples were taken; two of them on the 112-foot level and the third along the footwall at the 106-foot level. Results have not as yet been received.

How much

DISCUSSION

The superintendent and operator, E. R. Jepperson, informed the writer that inasmuch as he had made an error in the measurements during the last report, he would attempt to sink the winze on private finances a sufficient distance to make up the error. Whether or not he will do this remains to be seen.

At the same time Mr. Jepperson stated that the work would continue to the reported 142-foot level, at which point he will drift both directions regardless of the request for the additional Government loan.

At the time of the last visit, actual mining operations had lowered the depth of the winze a total of 68 feet at a cost of $10,721.33 or a cost of $157.66 per foot.

Henry W. Jones

Henry W. Jones
Mining Engineer

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952
DOCKET COPY

Office of
Executive Officer
DMEA Field Team
Region III

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

December 16, 1952

RECEIVED
DEC 29 1952
GENERAL COUNSEL
DEFENSE MINERALS ADMINISTRATION

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-433 (Lead-Zinc) - Contract Idm-E282
Amendment No. 3
Frank B. Keever - Bentley Mine

Attached are the original and two copies of Amendment No. 3, dated December 4, 1952, made in connection with subject contract.

A justification sheet is attached to each copy of the amendment.

Routine distribution has been made of the Field Engineer's and Finance Officer's copies.

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

Attachments

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno (With copy of amendment)
Finance Officer, Region III (With copy of amendment)
George Mavor

Cole
12-22

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

Keating
~~Heller~~
Betty

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: Dec. 2, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 433X

Contract Idm-E 282

Commodity Lead-Zinc

Operator - Frank B. Keever

Property - Bentley Mine, Lander County, Nevada

By Henry W. Jones, Mining Engineer

Dated November 18, 1952

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

Attachment

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

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

DK

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

INTERIM REPORT

Docket No.: DMEA-4331 November 18, 1952

Name and address of operator: Frank E. Keever
Battle Mountain, Nev.

Name and location of property: Bentley Mine
Lander County, Nev.

Contract No.: Idm-5282

SUMMARY, CONCLUSIONS, RECOMMENDATIONS

The Bentley mine was inspected on Nov. 4, 1952 to check the monthly progress performed under the DMEA contract agreement. Since the previous inspection of Sept. 30, work comprised the sinking of the winze from 86.5 feet to 108 feet, an advance of 21.5 feet.

Work has been advancing more rapidly because of a hard footwall thus cutting out a good deal of timbering and again allowing the use of 6-foot rounds. The gaseous condition of the mine has also diminished. Mineralization has become very slight and confined within the narrow gouge zone between the hanging and footwall. If this condition persists it is evident no further work should be done beyond the depth as required by the contract agreement. Adverse conditions necessitated the granting of an additional 30-day extension on the time of the contract; completion date to be Nov. 30, 1952.

No recommendations are submitted at this time.

STATEMENT OF WORK COMPLETED

The Bentley Mine was inspected on Nov. 4, 1952 by an engineer of the Bureau of Mines for the purpose of checking the monthly progress performed under the DMEA contract agreement. F. R. Jepperson, super-

intendent, accompanied the engineer on the inspection of the winze. Work during the month comprised the sinking of the winze from 86.5 feet to a depth of 108 feet, an advance of 21.5 feet. At the time of the visit, the last 6 feet was not sucked out so the depth is only approximate.

COMMENTS ON PROGRESS

Work on the sinking of the winze has been proceeding satisfactorily. The basic dike that forms the hanging wall has been followed and at present is being partially penetrated to alleviate steepening of the winze. A limited water course was intersected at the 97 foot depth with some oxidation of the rock material along the zone. The mine is now making an estimated 65 gallons of water an hour.

Gaseous conditions have greatly decreased. This is believed due primarily to the larger amounts of water in the muck.

A hard quartzite formation was encountered on the footwall at the 93 foot level, striking parallel to the dike and with a flatter dip. Caving and sluffing has now diminished to such an extent that 6-foot rounds are again being used.

The almost barren vein matter is confined to a 2.5 foot width between the walls of the formations at the bottom of the shaft. A part of the sump has been leveled and graded in preparation for the building of a 10- by 12-foot change room.

SAMPLING

One sample was taken across a 27-inch width of the vein material at the 97-foot level. Results are as follows: %,Pb 0.2, %,Zn 1.0, %,Cu 0.07, Oz. Au/ton 0.10, and Oz. Ag/ton 0.70.

DISCUSSION

Adverse conditions in the sinking of the winze necessitated the requesting of additional time for the operator to complete the contract. A 30-day extension was granted; the time of completion to be by Nov. 30, 1952.

The operator reported in his October Monthly Statement, an advance of 25.0 feet. This is erroneous as measurements on Nov. 4 indicated a 21.5 foot advance since the last inspection of Sept. 30. Expenses for the month were $3,148.42, or a cost of $146.43 per foot of advance. These costs appear to have been unduly high.

Funds available for the project are almost exhausted. At the time the Operator's report was submitted, there was only $475.53 available from the original $20,228.00. It is apparent the 144-foot goal will not be reached unless other funds become available.

Henry W. Jones

Henry W. Jones
Mining Engineer

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

Keeping
Heller
Betty

Office of
Executive Officer
DMEA Field Team
Region III

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

December 5, 1952

Mr. Frank B. Keever
Baxter
Placer County, California

Docket DMA-433X (Lead-Zinc)
Contract Idm-E282
Bentley Mine, Lander County, Nevada

Dear Mr. Keever:

We note on your recent monthly vouchers covering expenditures under Stage II of the captioned contract that you are including $250 a month rental for your portable air compressor, whereas the contract allows a rental of only $150 a month for four months.

Inquiry of the Washington Office as to why you were allowed $250 monthly rental under Stage I and only $150 a month under Stage II resulted in obtaining the following information:

> "The apparent discrepancy was due to the uncertainty of the Operator as to immediate availability of an economically sized compressor for his project. There was also some question relative to mining equipment which the Operator owned on other property.
>
> "Based upon information received at that time, it was decided that the Operator should be allowed an amount under Stage I which would enable him to rent promptly the available compressor and that he would replace this with a more economically sized machine if work under Stage I developed successfully."

Apparently, you did not rent a more economically sized compressor when work began under Stage II, as you have been vouchering $250 a month for compressor rental as you did under Stage I operations. We are of the opinion that you found it impossible to rent a smaller compressor at $150 a month, and rather than suspend operations you continued using the compressor you had on hand.

Inasmuch as the contract allows only $150 a month for compressor rental under Stage II and the total amount ($800) for rental of an air compressor, jackhammer and air receiver is a starred item which cannot be exceeded, it will be necessary to amend your contract

to allow a rental of $250 a month for the compressor. As it is impossible to provide the additional amount required, even by amending the contract, if by so doing the total estimated cost of the project will be increased, it will be necessary to take the $400 additional needed from some other item of the contract.

We have examined your contract and your monthly vouchers, and find that under Stage I under the heading "To be Purchased" an item of 1000 feet 1" water pipe and fittings at $.40/ft., $400. There is no record in this office of your having purchased this pipe while carrying out operations under Stage I, so an amendment has been prepared deleting this item from your contract and transferring the $400 to a supplemental "To be rented" item under Stage II, with the thought (and hope) that the Washington Office of the Defense Minerals Exploration Administration will approve what I have done.

Six copies of Amendment No. 3 are sent you herewith. Kindly sign all six copies and return the original and four copies to this office, if the amendment meets with your approval.

Sincerely yours,

H. C. MILLER

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

Enclosure

Copy to: DMEA, Washington (2)
E. H. Bailey, USGS
A. C. Johnson, Reno
George Mavor

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: Dec. 2, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 433X

Contract Idm-E 282

Commodity Lead-Zinc

Operator - Frank B. Keever

Property - Bentley Mine, Lander County, Nevada

By Henry W. Jones, Mining Engineer

Dated November 18, 1952

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

Attachment

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

INTERIM REPORT

Docket No.: DMEA-433X November 18, 1952

Name and address of operator: Frank B. Keever
Battle Mountain, Nev.

Name and location of property: Bentley Mine
Lander County, Nev.

Contract No.: Idm-E282

SUMMARY, CONCLUSIONS, RECOMMENDATIONS

The Bentley mine was inspected on Nov. 4, 1952 to check the monthly progress performed under the DMEA contract agreement. Since the previous inspection of Sept. 30, work comprised the sinking of the winze from 86.5 feet to 108 feet, an advance of 21.5 feet.

Work has been advancing more rapidly because of a hard footwall thus cutting out a good deal of timbering and again allowing the use of 6-foot rounds. The gaseous condition of the mine has also diminished. Mineralization has become very slight and confined within the narrow gouge zone between the hanging and footwall. If this condition persists it is evident no further work should be done beyond the depth as required by the contract agreement. Adverse conditions necessitated the granting of an additional 30-day extension on the time of the contract; completion date to be Nov. 30, 1952.

No recommendations are submitted at this time.

STATEMENT OF WORK COMPLETED

The Bentley Mine was inspected on Nov. 4, 1952 by an engineer of the Bureau of Mines for the purpose of checking the monthly progress performed under the DMEA contract agreement. E. R. Jepperson, super-

intendent, accompanied the engineer on the inspection of the winze. Work during the month comprised the sinking of the winze from 86.5 feet to a depth of 108 feet, an advance of 21.5 feet. At the time of the visit, the last 6 feet was not mucked out so the depth is only approximate.

COMMENTS ON PROGRESS

Work on the sinking of the winze has been proceeding satisfactorily. The basic dike that forms the hanging wall has been followed and at present is being partially penetrated to alleviate steepening of the winze. A limited water course was intersected at the 97 foot depth with some oxidation of the rock material along the zone. The mine is now making an estimated 65 gallons of water an hour.

Gaseous conditions have greatly decreased. This is believed due primarily to the larger amounts of water in the muck.

A hard quartzite formation was encountered on the footwall at the 93 foot level, striking parallel to the dike and with a flatter dip. Caving and sluffing has now diminished to such an extent that 6-foot rounds are again being used.

The almost barren vein matter is confined to a 2.5 foot width between the walls of the formations at the bottom of the shaft. A part of the dump has been leveled and graded in preparation for the building of a 10- by 12-foot change room.

SAMPLING

One sample was taken across a 27-inch width of the vein material at the 97-foot level. Results are as follows: %,Pb 0.2, %,Zn 1.0, %,Cu 0.07, Oz. Au/ton 0.10, and Oz. Ag/ton 0.70.

DISCUSSION

Adverse conditions in the sinking of the winze necessitated the requesting of additional time for the operator to complete the contract. A 30-day extension was granted; the time of completion to be by Nov. 30, 1952.

The operator reported in his October Monthly Statement, an advance of 25.0 feet. This is erroneous as measurements on Nov. 4 indicated a 21.5 foot advance since the last inspection of Sept. 30. Expenses for the month were $3,148.42, or a cost of $146.43 per foot of advance. These costs appear to have been unduly high.

Funds available for the project are almost exhausted. At the time the Operator's report was submitted, there was only $475.53 available from the original $20,228.00. It is apparent the 144-foot goal will not be reached unless other funds become available.

Henry W. Jones

Henry W. Jones
Mining Engineer

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

Office of
Executive Officer
DMEA Field Team
Region III

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

November 24, 1952

Memorandum

To: A. C. Johnson, Bureau of Mines, Reno, Nevada

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-433X (Lead-Zinc), Contract Idm-E282,
Frank B. Keever, Bentley Mine

On October 30 Mr. Frank B. Keever and his superintendent, Mr. Ray Jepperson, personally delivered to this office a set of MF-103 forms, covering an application for additional work on the Bentley mining claims. Three copies of the forms were sent to the Washington Office for its consideration, as we did not know inasmuch as some additional funds were requested if Contract Idm-E282 could be amended or whether a new contract had to be drawn.

I now have a letter from Frank E. Johnson, acknowledging receipt of the forms. In that letter he states:

> "The application was not accompanied by substantiating data or recommendations from your office and, since the request for additional work and the required funds is in substantial amounts, it will be necessary for us to have your recommendations and such other information and data as should be available to us for proper consideration of the application. We will appreciate your furnishing us these data at your early convenience."

Will you, therefore, let me know what your recommendations are. It may be necessary for you to have an engineer visit the property and if he feels a geologist's advice is needed, we will arrange for a geologist to accompany the engineer on the examination.

Inasmuch as the Operator was recently granted a 30-day extension of his completion time (see Amendment No. 2, dated October 15, 1952), the proposed time schedules shown in the application for doing the proposed additional work should all be advanced thirty days.

Our copy of the Operator's MF-103 form is attached.

Attachment

Copy to: DMEA, Interior Bldg.,
Washington, D. C.
E. H. Bailey, USGS

H. C. MILLER

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

FILE COPY
SURNAME:

Keating
Miller

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

500

NOV 17 1952

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA-433 (Lead-Zinc)
Contract No. Idm-8282
Frank B. Keever, Nevada

Dear Mr. Miller:

This will acknowledge receipt of your letter of November 3, 1952, with which were enclosed three copies of an application for additional funds for the purpose of conducting further exploration work at the above-cited project, the proposed work to consist of approximately 50 feet of raising, 350 feet of drifting and 375 feet of crosscutting at a total estimated cost of $40,683.75.

The application was not accompanied by substantiating data or recommendations from your office and, since the request for additional work and the required funds is in substantial amounts, it will be necessary for us to have your recommendations and such other information and data as should be available to us for proper consideration of the application. We will appreciate your furnishing us these data at your early convenience.

Sincerely yours,

(signed) FRANK E. JOHNSON (JHB)

Chairman, Operating Committee

F.N. 11-17-52

AGKeating/bjl (written 11/14/52)

APPROVED:

W. H. Hedges (JHB)
Member, Bureau of Mines

E. L. McKnight (JHB)
Member, Geological Survey

Copy to: Docket
Admr. R. File
Op. Committee
Mr. Keller (2)
Mr. Keating
Mr. Bishop
Mr. McKnight
Chron.

FILE COPY
SURNAME:

Keating
M. Keller

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

500

Mr. M. C. Miller
Executive Officer, Region III
1012 Flood Building
870 Market Street
San Francisco, 2, California

NOV 10 1952

68

Re: Docket No. Idm-433 (Lead-Zinc)
Contract No. Idm-282
Frank E. Hoover

Dear Mr. Miller:

Examination of the September 1952 Operator's Monthly Report on the above-named project indicates that there is considerable work yet to be done under the terms of the amended contract, although the completion date for the project has been fixed by amendment as November 30, 1952.

The report covering September 1952, shows that $16,604.07 has been expended with a total estimated cost of the project of $20,228.00. The Operator states that he is having unexpected difficulty continuing the work of sinking a winze due to bad air, but that with some further work the veinwill be exposed.

If, in your opinion, the project warrants it, we suggest that immediate consideration be given to an amendment to extend the time for completion and possibly a request for an increase in the estimated cost of the work.

Sincerely yours,

(signed) FRANK E. JOHNSON (JHS)

Chairman, Operating Committee

F.H. 11-10-52

Approved:

J. H. Hedges (JHS)
Member, Bureau of Mines

A. R. Kinkel, Jr.
Member, Geological Survey (JHS)

AGKeating/bw (written 11/6/52)
Copy to: Docket
Adm. R. File
Op. Comm.
H. F. Keller (2)
A. G. Keating
Mr. Bishop
Mr. McKnight
Chron.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1952

Office of
Executive Officer
DMEA Field Team
Region III

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

November 3, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-433X (Lead-Zinc), Contract Idm-E282, Frank B. Keever, Bentley Mine

Mr. Frank B. Keever and his superintendent, Mr. Ray Jepperson, delivered to this office personally on October 30 a set of MF-103 forms, covering an application for additional work on the Bentley Mining claims. Three copies of the application are attached herewith. The fourth copy is being retained in this office.

Inasmuch as the operator was recently granted a 30-day extension of his completion time (see Amendment No. 2, dated October 15, 1952), the proposed time schedules for doing the proposed additional work should all be advanced 30 days.

Your early consideration of the applicant's wishes will be appreciated.

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

Attachment

Copy to: E. H. Bailey, USGS

Docket Copy

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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OCT 27 1952

Office of
Executive Officer
DMEA Field Team
Region III

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

October 23, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-433 (Lead-Zinc) - Contract Idm-E282
Amendment No. 2
Frank B. Keever - Bentley Mine

Attached are the original and two copies of Amendment No. 2, dated October 15, 1952, made in connection with subject contract.

A justification sheet is attached to each copy of the amendment.

Routine distribution has been made of the Field Engineer's and Finance Officer's copies.

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

cae 10-27

Attachments

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno (With Field Engr.'s copy of Amendment)
Finance Officer, Region III (With copy of Amendment)

RECEIVED
NOV - 4 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: October 16, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 433X

Contract Idm-E 282

Commodity Lead-Zinc

Operator - Bentley Mine - Frank B. Keever

Property - Lander County, Nevada

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 20 1952

By George H. Holmes, Jr. and H. W. Jones

Dated October 15, 1952

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

Attachment

Copy to: Finance Officer, Region III (with one copy of report)
E. H. Bailey, USGS (with one copy of report)

INTERIM REPORT

Docket No.: DMEA-433X October 15, 1952

Name and address of operator: Frank B. Keever
Battle Mountain, Nev.

Name and location of property: Bentley Mine,
Lander County, Nevada

Contract No.: Idm-E282

SUMMARY, CONCLUSIONS, RECOMMENDATIONS

The Bentley mine, southwest of Battle Mountain, Lander County, Nevada, was inspected on September 30 to check progress under DMEA contract Idm-E282. Since the previous inspection on September 5, work comprised sinking the winze from 78 to 86.5 feet; an advance of 8.5 feet.

Slow progress was caused by folding or faulting of the basic dike which necessitated steepening the winze; sloughing of the footwall behind timber sets which caused undue delay in lagging and catching up the ground; and poor ventilation within the winze.

Mineralization is spotty across the width of the winze with a slight increase in lead-zinc values away from the basic dike. Present showings, however, warrant continuing the winze to 144 feet.

As inadequate ventilation facilities are the principal cause of delays and slow progress, it is recommended that the operator be required to provide, at company expense, proper ventilation for the winze workings. Lost time due to this cause should not be charged to the contract.

An extension of time to complete the contract will be requested by the operator and it is recommended this amendment be approved. Delays have been caused by caving ground and poor ventilation which will require an extension of time beyond the October 31 completion date to finish the winze. This amendment will not increase the cost of the project.

It is also recommended that this project be put on a sight audit basis.

STATEMENT OF WORK COMPLETED

The Bentley mine was visited on Sept. 30, 1952 by an engineer[1] of the Bureau of Mines for the purpose of checking the monthly progress performed under the contract agreement. E. R. Jepperson, superintendent, accompanied the engineer on the inspection of the winze.

Work since the last inspection of September 5 comprised sinking the winze from 78 feet to 86.5 feet; an advance of 8.5 feet.

COMMENTS ON PROGRESS

The slow progress for the period was reportedly due to the following reasons:

1. The basic dike that overlies the hanging wall has been slightly folded or faulted past vertical before straightening on its original dip, so the sinking of the winze had to be continued partially within the dike. Inasmuch as the winze was steepened to 87 degrees, it is impossible to increase the dip to circumvent this harder core of rock.

1/ H. W. Jones.

2. The footwall sloughed behind the timber sets, causing an undue delay in the lagging and catching up of the ground.

3. Poor ventilation within the winze necessitated waiting for a period of two to three days after each blast before the round could be mucked out. Using compressed air to clear the winze has not been successful.

4. The length of the rounds was reduced from 6 feet to 4 feet. The longer rounds tend to cause an undue amount of caving on both the hanging and footwalls before they can be caught up with timbers and lagging.

The flow of water into the winze has now diminished to such an extent that it no longer presents a problem.

Spotty mineralization is evident across the width of the winze with a slight increase in the lead-zinc values away from the hanging wall and dike. Two samples were taken.

SAMPLING AND ASSAYING

Analyses of the two samples, taken from the 72-foot level during the Sept. 5 visit, gave the following results:

Sample No.	%,Pb	%,Zn	%,Cu	Oz.Au/T	Oz.Ag/T	Remarks
160	1.3	2.5	0.06	0.025	3.40	5 feet north side winze 72-foot level
161	2.5	4.4	0.04	0.11	4.75	8 feet footwall of winze 72-foot level

DISCUSSION

The operator's Monthly Report for September indicates that 62 feet of winze sinking has been done. This report is erroneous as measurement

of the winze shows its depth to be 86.5 feet which is an advance of 42.5 feet from the starting point at 44 feet. Total expenditures for Stage II of the contract since July 1 are $7,572.90 which is $178.19 per foot of sinking. Remaining contract funds are $3,623.93 which are to be used for sinking the winze an additional 57.5 feet to the 144-foot level. This would cost $63.02 per foot which could not be accomplished at present costs and rate of progress.

Ralph Roberts and David Arnold, U.S.G.S., discussed with E. R. Jepperson plans for amending the contract to provide for drifting and crosscutting at the 100-foot level instead of continuing the winze to its objective at 144 feet. Mr. Jepperson has requested such an amendment and the U.S.G.S. concurs with this request. Further discussion of this proposal with Bureau of Mines engineers at Reno resulted in a decision to withdraw this request and to continue the winze as planned. Stronger mineralization at depth in the winze is encouraging and it is believed that better results could be obtained with the small remaining funds by deeper penetration into the mineralized zone than by drifting and crosscutting at the 100-foot level. This latter work could be done, if justified, by a supplementary DMEA loan.

Lost time due to caving ground and poor ventilation may prevent completing the work by the October 31 deadline. It is recommended the operator's request for an extension of time be approved. The overall cost of the project will not be increased by this amendment.

George H. Holmes, Jr.
Mining Engineer

H. W. Jones
Mining Engineer

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

Office of
Executive Officer
DMEA Field Team
Region III

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

October 16, 1952

Re: Docket DMEA 433X (Lead-Zinc)
Contract Idm-E282
Bentley Mine

Mr. Frank B. Keever
Baxter, Placer County, Calif.

Dear Mr. Keever:

Mr. Ray Jepperson, supervisor of your Bentley Mine operations called at the office on October 14, requesting a one month's extension of your contract in order to give him time to complete the work under the contract.

Accordingly, Amendment No. 2 to your contract was prepared, extending the completion date to November 30, 1952, and six copies of the amendment are enclosed.

Kindly sign all six copies of the amendment and return the original and four copies to this office at an early date.

Sincerely yours,

H. C. MILLER

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

Enclosure

Copy to DMEA, Interior Bldg., Washington 25, D. C.
A. C. Johnson, Reno, Nevada
E. H. Bailey, USGS

Placer Co. Mining Bureau
OCT 22 1952

DOCKET COPY

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

Cor 10.31

Sept. 23, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-433 (Lead-Zinc) - Contract Idm-E282
Amendment No. 1
Frank B. Keever - Bentley Mine

Attached are the original and two copies of Amendment No. 1, dated September 12, 1952, made in connection with subject contract.

A justification sheet is attached to each copy of the amendment.

Distribution has been made of the Field Engineer's and the Finance Officer's copies.

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

Attachments

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno (With Field Engr.'s copy of Amendment)
L. L. Norvell (With Finance Officer's copy of Amendment)

SDS 9/29/52

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

SEP 22 1952

Office of
Executive Officer
DMEA Field Team
Region III

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

Keating
Betty

Date: Sept. 16, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 433X

Contract Idm-E 282

Commodity Lead-Zinc

Operator - Frank B. Keever

Property - Bentley Mining Claims
Lander County, Nevada

By Geo. H. Holmes, Jr.

Dated Sept. 12, 1952

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

Attachment

Copy to: Finance Officer, Region III (with one copy of report)
E. H. Bailey, USGS (with one copy of report)

INTERIM REPORT

Sept. 12, 1952

Docket No. DMEA-433X

Name and address of operator: Frank B. Keever
Bentley Mine
Battle Mountain, Nevada

Name and location of property: Bentley Mine, Lander County, Nev.

Contract No.: Idm-E282

SUMMARY, CONCLUSIONS, RECOMMENDATIONS

The Bentley mine, southwest of Battle Mountain, Lander County, Nevada, was inspected on September 5 to check progress under DMEA contract Idm-E282. Work for the period consisted of sinking the winze from 66 to 78 feet; an advance of 12 feet.

Caving of the hanging wall under a basic dike made for slow progress and forced steepening the winze to permit sinking in the more solid footwall. Spotty lead-zinc sulfide mineralization is evident along the bottom of the winze.

The winze will be sunk to 94 feet; an advance of 50 feet authorized under Stage II of the contract; then continued an additional 50 feet if the requested amendment to the contract is granted.

No recommendations for improvement of operations or changes in the project are necessary at this time.

STATEMENT OF WORK COMPLETED

The Bentley mine was visited on September 5 by engineers[1] from the Bureau of Mines accompanied by E. R. Jepperson, superintendent. Work, since the last inspection on August 6, comprised extending the winze from 66 to 78 feet; an advance of 12 feet.

1/ G. H. Holmes, Jr. and H. W. Jones.

COMMENTS ON PROGRESS

A basic dike overlies the hanging wall of the fault fissure and much caving has occurred along this contact which has made for slow progress. In order to get away from this condition, the winze has been steepened from 75- to 85-degrees and future sinking will be entirely in the footwall of the fault fissure. The flow of water has diminished and is now making at the estimated rate of from 10 to 20 gallons per hour.

The winze is being sunk 9 by 6 feet, and consists of a hoisting and manway compartment. Timber sets are on 5-foot centers and consist of 6 by 6 inch timbers with 2 by 12 inch lagging along the hanging wall. Six by 4 inch dividers are used between manway and hoisting compartments.

Drilling is done by jackhamer using 1-inch hexagon steel and detachable bits. From 18 to 20 holes are required for a round. Holes are loaded with 40 percent Geladyne powder with about 100 sticks used for each round. Muck is hand-loaded into a sinking bucket. Two miners and a hoistman comprise the crew.

Spotty lead-zinc sulfide mineralization is evident along the bottom of the shaft. Two samples were taken.

SAMPLING AND ASSAYING

Analyses of the four samples taken from the west adit during the August 6 inspection are:

Location	Width, Feet	Percent			Ounces	
		Pb	Zn	Cu	Au	Ag
Face, hanging wall	1.0	1.2	0.7	0.05	0.24	1.95
Face, footwall	3.4	0.4	0.5	0.03	0.01	0.60
55 feet	2.0	0.3	0.5	0.12	0.02	1.20
35 feet	1.4	0.2	0.4	0.35	0.07	1.35

DISCUSSION

Analyses of samples taken from the west adit indicate low-grade mineralization and substantiates the conclusions of the operator and Bureau engineers that the fault fissure is too narrow and low in grade to justify sinking a 50-foot winze in this area. Mineralization in the existing winze, however, justifies further work, and it is anticipated that the recommendation to permit funds allotted to the second winze be used in the existing winze, will be allowed.

Mr. Jepperson advised the Bureau engineers that geologists from the U.S.G.S. had examined and mapped the property and that they were in agreement with Bureau of Mines recommendations for future work.

George H. Holmes, Jr.

Docket

FILE COPY
SURNAME:
500

Keating
Selfridge.

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

AUG 25 1952

Mr. H. C. Miller
Executive Officer, Region III
DMEA Field Team
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA-433 (Lead-Zinc)
Contract No. Idm-R282
Frank B. Keever

Dear Mr. Miller:

This refers to your letter of August 12, 1952, in which you advise that the Operator has requested an explanation of an item under Stage I of the contract. This item allows a portable compressor to be rented for $250.00 per month for three months, while under Stage II of the contract, it provides for rental of a portable compressor at a rental of $150.00 for four months.

The apparent discrepancy was due to the uncertainty of the Operator as to immediate availability of an economically sized compressor for his project. There was also some question relative to mining equipment which the Operator owned on other property.

Based upon the information received at that time, it was decided that the Operator should be allowed an amount under Stage I which would enable him to promptly rent the available compressor, and that he would replace this with a more economically sized machine if work under Stage I developed successfully.

Regarding your inquiry as to a method of handling the compressor rental items, we do not have knowledge of what rental the Operator is presently paying. However, if this amount is less than that provided in the contract for Stage I, it then might be equitable by amendment to average the cost over the seven months' period of the contract. On the other hand, if the Operator is paying the full amount of $250.00 a month and when he is ready to

undertake Stage II of the contract, you can then amend the contract to provide the additional amount required, provided it does not increase the total estimated cost of the project.

Sincerely yours,

S.N.
8-25-52

S. C. Selfridge (GKB)
ACTING Chairman, Operating Committee

APPROVED:

AGKeating/bjl/mb
August 20, 1952
Copy to: Docket
Adm. Reading File
Operating Committee
Mr. Keller (2)
Mr. Keating
Mr. Bishop
Mr. McKnight
Region III
Chron

C. H. Johnson (NB)
Member, Bureau of Mines

D. M. Lemmon (NB)
Member, Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: August 21, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 433X

Contract Idm-E 282

Commodity Lead-Zinc

Operator - Bentley Mine (Frank B. Keever)

Property - Bentley Mining Claims
Lander County, Nevada

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1952

By George H. Holmes, Jr.

Dated August 11, 1952

Also attached are four copies of letter from Mr. A. C. Johnson, dated August 12, containing comments on the Interim Report.

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

Attachment

Copy to: Finance Officer, Region III (with one copy of report)
E. H. Bailey, USGS (with one copy of report)

August 11, 1952

INTERIM REPORT

Docket No. DMEA-433X

Name and address of operator: Frank B. Keever
Bentley Mine
Battle Mountain, Nevada

Name and location of property: Bentley Mine
Lander County, Nevada

Contract No: Idm-E282

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The Bentley Mine, near Battle Mountain, Lander County, Nevada, was inspected on August 6, to check work done under DMEA contract Idm-E282. Project work for the period comprised driving the west adit an additional 30 feet and sinking the existing winze 22 feet.

The west adit drift has been driven 85 feet along a narrow vein which examination and sampling indicate will contain but low-grade lead-zinc mineralization. Ore values are too low to justify further work in this area.

The existing winze is at a depth of 66 feet and is being sunk on two narrow parallel veins. Mineralization also is low-grade but as lead and zinc sulfides have been encountered further sinking is believed to be justified.

It is recommended that work be discontinued along the extension of the west adit and that plans for the proposed 50 foot winze be abandoned. Money allowed for this work would be applied to the existing winze, sinking it an additional 100 feet, and permitting deeper exploration in a productive area.

An amendment to the contract to allow this change is recommended but it is believed advisable that an examination of the new mine

workings also be made by the U. S. Geological Survey prior to approval of the amendment.

STATEMENT OF WORK COMPLETED

The Bentley Mine was visited on August 6 by an engineer of the Bureau of Mines accompanied by Mr. E. R. Jepperson, superintendent. Work, since the last inspection on June 24-26, consisted of driving the west adit an additional 30 feet, making a total advance of 85 feet under Stage I of the contract, and sinking the existing winze from 44 to 66 feet.

COMMENTS ON PROGRESS

The 85 foot extension of the west adit was driven along a fault fissure varying in width from a few inches to two feet. The vein occurs along a definite fault zone in fractured sandstone. The hanging wall comprises a heavy gouge overlain by a basic dike and the footwall is sandstone breccia. Mineralization is weak; lead and zinc occur as carbonates although abundant pyrite is evident along fractures in the vein. Four samples were taken.

Fair progress was made in driving the drift. Drilling was with mounted jackhammer using 7/8 inch hexagon steel and detachable bits. Some timbering was required due to caving ground. Since drifting was completed much sloughing has occurred along the hanging wall of the drift which will require further timbering.

The winze was sunk during July from 44 to 66 feet. A breakthrough into old workings and caving ground required bulkheading and spiling, and close timbering. This condition made for high sinking costs. A small flow of water was encountered which required pumping at infrequent intervals during the shift. Estimated flow is from

30 - 40 gallons per hour. Definite hanging wall and footwall stringers are evident which show spotty sulfide mineralization.

SAMPLING AND ASSAYING

The following samples were taken from the drift and winze:

Location	Width Feet	Percent Pb.	Percent Zn.	Ounces Au.	Ounces Ag.
N.E. Drift	1.5	1.4	0.5	0.09	3.1
Winze, H.W.	2.0	1.2	1.9	0.07	1.5
Winze, F.W.	1.0	3.7	2.1	0.04	5.2

DISCUSSION

The 85 foot extension of the west adit failed to disclose commercial grade ore. The vein is narrow and values do no justify further work in this area. No lead or zinc sulfides are evident and these minerals occur as carbonates. The operators are reluctant to continue the exploration as call for under Stage II and which designates "sinking an additional 50 foot winze from the west adit level at a favorable point in the northerly exploration drift."

Mineralization in the existing winze justifies further sinking and this work is being done under Stage II. It is recommended that the work proposed for the second winze in the west adit be applied to the existing winze with sinking carried out for an additional 100 feet instead of 50 feet. This work would allow deeper exploration in a favorable area.

The operators are requesting an amendment to the contract to allow this change. But before approval, it is suggested an examination be made by the U. S. Geological Survey so that this change would be made with full approval of the Bureau and Survey. As Ralph Roberts

is now working in that area and as he is familiar with the property, it is suggested that he make this examination.

George H. Holmes, Jr.
Mining Engineer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

~~OFFICE OF~~
~~REGIONAL DIRECTOR~~

P. O. Box 1551
Reno, Nevada

~~FERRY BUILDING~~
~~70 MARKET STREET~~
~~SAN FRANCISCO 2, CALIFORNIA~~

C
O
P
Y

August 12, 1952

Memorandum

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

From: Chief, Mining Division, Region III

Subject: Interim Report - Bentley Mine - Idm-E282 - DMEA 433X

Enclosed are six copies of the last inspection report of the Bentley Mine, Lander County, Nevada.

It is noted from Mr. Holmes' report that the 85 foot extension of the west adit was driven along a fault fissure varying in width from a few inches to two feet. The mineralization in this fissure is weak, lead and zinc occur as carbonates although abundant pyrite is evident along the fractures in the vein. This drift has failed to disclose commercial ore.

The operators are reluctant to continue the exploration as called for under Stage II, which designates sinking an additional 50 foot winze from the west adit level from a favorable point in the northerly drift.

Mr. Holmes has recommended that the work proposed for the second winze be applied to the existing winze with sinking carried out for an additional 100 feet instead of 50 feet to endeavor to get into the sulfide zones. The operators are going to ask for an amendment to do this phase of the work. However, Mr. Holmes believes that a geologist should be called in before this amendment is approved for the additional sinking of the winze.

I concur with the inspecting engineer's recommendations and suggest that a geologist visit the property as soon as possible to determine what further work should be done on this project.

/s/ A. C. Johnson

CC: E. H. Bailey, USGS

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

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1952

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

August 21, 1952

Mr. Frank B. Keever
Baxter, California

Re: Docket DMEA 433X (Lead-Zinc)
Exploration Project Contract
Idm-E282
Bently Mining Claims

Dear Mr. Keever:

The matter of amending your contract to permit you to charge the project with the rental of a pump and tank at $40 a month was submitted to the Washington Office of the Defense Minerals Exploration Administration for its consideration. As no provision was made in your contract for rental of a pump and tank, an amendment to enable you to charge rental for that equipment has to be approved by the Washington Office.

In order to prepare the amendment for approval by the Washington Office, I will need some additional information. Your contract provides for the installation of a water tank at a cost of $100. This tank, I understand, is not now to be purchased but will be rented at a cost of $15 a month. The pump rental, I understand, is $25 a month. Inasmuch as the $100 allowed for the installation of the tank will, in the amendment I am preparing for Washington Office approval, be credited to the rental of the pump and tank at the rate of $40 a month and the balance of the rental will have to come from the $600 allowed in the contract for "materials and supplies," I will have to know the total number of months you plan to rent the pump and tank.

Your request to further amend your contract so as to permit you to concentrate your allowed 100 feet of winze sinking in one winze rather than 50 feet of sinking in each of two winzes will depend upon the conclusions of the geologists whom we are sending to make recommendations as to what should be done.

Sincerely yours,

H. C. MILLER

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

Copy to DMEA, Interior Building,
Washington, D. C.
E. H. Bailey, USGS
A. C. Johnson, Reno

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

AUG 18 1952

Office of
Executive Officer
DMEA Field Team
Region III

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

August 12, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 433X (Lead-Zinc), Frank B. Keever, Baxter, Placer County, California, Exploration Project Contract Idm-E282

My attention has been called by the Operator to what appears to have been an error in his contract that was not caught either in the Washington Office or out here, or by the Operator until the other day.

Under Stage I of the contract, the Operator is permitted to rent a portable air compressor at $250 per month for three months. Under Stage II, the contract calls for renting a portable air compressor at $150 per month for four months. As this is the same compressor, the Operator wonders why he is allowed only $150 a month for its rental under Stage II.

The Operator is submitting his first MF-104 under Stage II, so we should allow him $250 a month for rental of compressor so long as he does not exceed the $600 set out in the contract. In the meantime, what suggestion have you on what we should do concerning the compressor rental item after he has used up the $600?

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

Copy to E. H. Bailey, USGS

FILE COPY
SURNAME:
800

Chamber

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

Mr. R. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

AUG 11 1952

Re: Docket DMEA A33X (Lead-Zinc)
Contract No. Ida-E282
Frank B. Keever

Dear Mr. Miller:

Reference is made to your memorandum of July 25, 1952 in regard to two items which have been disallowed by the Fiscal Officer re MF-104's submitted by Frank B. Keever under Ida-E282 for the months of April and May.

It appears that the contract provides for the installation of a water tank at a cost of $100. No provision was made either for the purchase or rental of a pump. If a pump is necessary the contract must be amended to provide for it. It is assumed that you are of the opinion that the rental of this equipment (pump and tank) is more economical than its purchase, else you would have disallowed the item as billed on Form MF-104 before it reached the Fiscal Officer. If this is your recommendation, please submit an amendment to this office for approval, since the Secretary's delegation of authority, April 25, 1952, to Executive Officers prohibited their amending "allowable maximum" items. In writing the amendment it is suggested that the miscellaneous item for $600 under "Materials and Supplies" be reduced in the amount of rental in excess of $100 allowed for the tank and that the tank item be cancelled.

In regard to the rental of a truck for transporting supplies and men, it is assumed that had Mr. Keever billed this item under "Freight and Transportation", the Fiscal Officer most probably would have paid it, for the reason that $200 a month for "Freight and Transportation" is permitted under Exhibit "A", unless he has knowledge of the transaction which would lead him to question it on the basis of bad faith.

Sincerely yours,

cc 8/11/52

(signed) FRANK E. JOHNSON

Chairman, Operating Committee

APPROVED:

C. H. Johnson
Member, Bureau of Mines

D. M. Lemmon
Member, Geological Survey

JLChambers/wb
August 6, 1952

Copies to: Messrs. Thayer, Hedges, Johnson, Keller, Chambers, Operating Com., Admr. Read. File, Mails & Files. Region III

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 29 1952

Office of
Executive Officer
DMEA Field Team
Region III

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

July 25, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA, Interior Building, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 433X (Lead-Zinc), Frank B. Keever, Baxter, Placer County, California, Exploration Project Contract Idm-E282

Information is desired as to how the matter discussed below should best be handled.

When Mr. Keever submitted his April and May vouchers, there was included an item of $25 for each month for rental of a sponge (sinker) pump and $15 a month for rental of a pressure (water) tank and fittings. These two items were disallowed by our Accounts Section as not coming under the contract.

Mr. Keever and his accountant, a Mr. Jefferson, called at the office today and they told us that when water unexpectedly was struck in the winze which is being sunk under the contract, they went out and rented a pump and water tank at a combined rental of $40 a month. They thought it was cheaper to rent the equipment than to buy it. The contract allows them $100 for a water tank and installation but does not specifically permit buying a pump. Mr. Keever thought that the difference could be charged to the item "Miscellaneous" at $200 per month for three months - $600 inasmuch as the emergency necessitated buying or renting a pump and pressure tank. Rental on the pump was claimed at $25 and that for the pressure tank, $15 a month.

Under the contract, Mr. Keever is allowed $200 per month for three months for freight and transportation. As it was not convenient or economical to hire his freight hauled and to transport his men to and from the mine, he arranged with his bookkeeper, Mr. Jefferson, who owned a pickup and a truck to do all the transporting of supplies and men for $200 a month. In submitting his April and May vouchers, the

item of $200 a month for transportation was entered thereon as truck rental which Accounts suspended.

What are your suggestions as to how we might handle the disallowed items?

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

Copy to A. C. Johnson, Reno
E. H. Bailey, USGS

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

July 22, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Operator's Monthly Progress Report - Forms MF-104 & 104A

Enclosed herewith are two copies each of the subject reports received from the following operators as listed below. These reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report dated	Period covered
Idm-E282	Frank B. Keever	June 13,'52	April 1952
"	"	June 13,'52	May 1952
	(With Geo. H. Holmes' inspection report of June 27.)		
Idm-E296	Holmestake Mining Co.	June 28,'52	May 1952
	(With Benj. H. Sheahan's inspection report of June 23.)		

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

Attachments

Copy to: E. H. Bailey, USGS

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

Office of
Executive Officer
DMEA Field Team
Region III

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

May 28, 1952

Memorandum

To: C. O. Mittendorf, Acting Administration, Defense Minerals Exploration Administration, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-433X, Exploration Project Contract Idm-E282 (Lead-Zinc), Bentley Group, Lander County, Nevada

Enclosed are the original and three copies of the subject exploration project contract which has been approved and executed by the contractor. We are retaining the field engineer's copy and expect the finance officer's copy from you shortly.

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

Attachment

Copy to E. H. Bailey, USGS
A. C. Johnson, Reno, Nev.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 2 1952

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

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 26 1952

1012 Flood Building
870 Market Street
San Francisco 2, California

May 22, 1952

Memorandum

To: Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-433X, Exploration Project Contract Idm-E282 (Lead-Zinc) - Bentley Group, Lander County, Nevada

For your information a copy of a letter from subject applicant is attached herewith. I am notifying the applicant today that due to the delay in starting work on the contract an amendment will be necessary.

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

Attachment

Copy to E. H. Bailey, USGS

C O P Y

Baxter, Placer County
California.
May 17, 1952.

Mr. H. C. Miller
Executive Officer,
DMEA Field Team,
Region III
1012 Flood Bldg.
870 Market Street,
San Francisco 2, Calif.

Re: Exploration Project Contract
Idm-E282 (Lead-Zinc)
Docket DMEA-433X
Bentley Group, Lander CTY,, Nev.

Dear Mr. Miller:

I apologize most sincerely for having overlooked your communication of April 9th containing exploration contract. We were snow bound here at the California mine from early January to about the end of April. By oversight the large envelope containing your communication was laid aside as catalogues or advertisement not requireing attention which justified packing them through the snow.

Only now upon receipt of your favor of May 9th, itself delayed by my absence for a few days, have I reclaimed and opened the April correspondence. I had understood also, evidently mistakenly, that the DMA set-up had been eliminated by Executive Order, and so had given up any further thought of it.

I am indeed glad to know that I was mistaken, and am interested in the Contract. I would like a short time for consideration and determination of a few changes which I may want to suggest, and which will involve a trip by me to Battle Mountain.

I think for example that the mine hoist is a single drum hoist and not double drum as specified in the Contract. Double drum hoists are rarely used in shallow mining and I can see no purpose that it would serve in this case. On account of the activity in logging I suspect that available double drum hoists may be difficult to find. Through my unfortunate oversight two months have expired since the dating of the Contract. The "Time schedule" for "Stage I" is 3 months. Would that necessitate a change of date for the Contract?

Very respectfully Yours,

/s/ Frank Keever
Frank B. Keever

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 13 1952

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

May 9, 1952

Mr. Frank B. Keever
P. O. Box 43
Baxter, California

Re: Exploration Project Contract
Ida-E282 (Lead-Zinc)
Docket DMEA-433X
Bentley Group, Lander Cty.,Nev.

Dear Mr. Keever:

On April 9, we mailed to you the original and five copies of subject exploration contract, with instructions to sign all copies and to return the original and four copies to this office, retaining for your files the Operator's Copy, if the terms and conditions of the contract were satisfactory to you. If, however, any part of this contract did not have your approval, we requested you to return the original and all copies to this office unsigned, together with the proposed changes for consideration.

Up to this writing, you have not returned the contract to us, nor have we had any acknowledgement from you of its receipt. It is imperative that immediate action be taken to return the contract to this office, whether signed or unsigned, and if unsigned, please let us have your reasons for not doing so.

Sincerely yours,

H. C. MILLER

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

Copy to: DMEA, Washington, D.C.
E. H. Bailey, U.S.G.S.

This appears out of place!
CBM

FILE COPY
SURNAME:

Keating
Moulds

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

APR 9 1952

DMEA

A. G. Keating
3669 2616

1420137 Salaries and Expenses, Defense
Production Activities, Interior, 1952
4-8-52

H. C. Miller, Exec. Officer, Region III, 1012 Flood Bldg., 870 Market St.
San Francisco, California
Docket DMEA-433X, Contract Idm-E282, Frank B. Keever.

REURTEL FRANK B KEEVER DOCKET 433 CONTRACT E-282 PLEASE CHANGE GOVERNMENT PARTICIPATION TO READ $10114. EXHIBIT "A" PAGE 3 STAGE I HOIST MAN REQUIRED ONLY ONE MONTH TO CLEAN OUT EXISTING 50 FOOT WINZE, AND SHOULD NOT BE NEEDED FOR ADIT LEVEL DRIFTING.

C. O. Mittendorf (for)

P.N. 4-9-52

ACTING ADMINISTRATOR
DEFENSE MINERALS EXPLORATION
ADMINISTRATION

AGKeating/hmj
4-8-52
CC to: Adm. R. File
Docket File Copy
Mr. Moulds
Mr. Keating

U

481 WA SFS /I-BOM/

SAN FRANCISCO 4-7-52 1018AM

C O MITTENDORF ACTG ADMIN.

DEFENSE MINERAL EXPLORATION ADMIN. WA

RE DOCKET DMEA-433X, CONTRACT IDM-E282, FRANK B KEEVER. THERE IS AN ERROR IN FIGURES SHOWN IN SECTION 13 OF CONTRACT. IF TOTAL COST IS $20,228, GOVERNMENT-S PARTICIPATION SHOULD READ $10,114 AND NOT $10,708. ON PAGE 3, EXHIBIT "A", IT IS CORRECT THAT HOISTMAN IS TO WORK ONLY 22 DAYS WHEREAS MINER AND TRAMMER WORK 66 DAYS/QM/ PLEASE TELETYPE CORRECTIONS

H C MILLER REGIONAL DIRECTOR REGION QQQ

DMEA-433X IDM-E282 13 $20,228 $10,114 $10,708 3 22 66

EW 1024AM

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 7 1952

APR 7 1 51 PM '52
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

FILE COPY
Surname:

Keating
Moulds

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

MAR 3

Mr. H. C. Miller
Executive Officer, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA 433X
Frank B. Keever Lead-Zinc
Exploration Project Contract

Dear Mr. Miller:

Enclosed are the original and five copies of the subject contract which have been signed for the Government. If you find the provisions of the contract satisfactory for starting work at the project, subject to necessary amendments later, please present the agreement to the Operator for his approval and signature.

Upon obtaining the signature of the Operator, one copy is to be given to him and one copy retained for your files. The original and three copies are to be returned to this office as promptly as possible.

One copy of the contract will be transmitted direct to your Regional Finance Office by the Washington Finance Section.

Sincerely yours,

(signed) FRANK E. JOHNSON (JB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

Enclosures - 6
APPROVED:

T. H. Hedges (JB)
Member, Bureau of Mines

T. P. Thayer (JB)
Member, Geological Survey

AGKeating/hmj
3-25-52
cc to: Adm. R. File
Docket File Copy
Operating Committee
Mr. Bishop
Mr. McKnight
Region III
Mr. Moulds
Mr. Keating

FILE COPY
SURNAME:

Guthrie

140

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

March 18, 1952

Memorandum

To: Acting Administrator

From: Chief Counsel

Subject: Frank B. Keever exploration project -- Docket No. DMEA-433X

The attached seven copies of a draft of an exploration project contract in this case are in satisfactory legal form subject to the attachment of the requisite maps, ~~and Lease Agreement~~.

Your file in this case is returned.

J. L. Hofflund

J. L. Hofflund
Chief Counsel

Attachments

RRGuthrie/ema
Copy to: Mails & Files
J. L. Hofflund
R. R. Guthrie
Chron.

Defense Minerals Exploration Administration

Review of Application for Exploration Assistance

Docket No. DMA-433X

To: Mr. C. O. Mittendorf

Commodity Lead-zinc

Total Amount $20,000

Govt. Participation 50% - $10,000

1. Name and Address of Applicant Frank B. Keever, Box 43, Baxter, California

2. Location of Property Bently Mining Claims - Sec. 30, T. 32 N., R. 44 E., Lander County, Nevada

3. Mineral or metal Lead, zinc Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good See attached field team report

b) Poor

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? (question 5, 6, 7)* Yes. He owns undivided 49/50 and has 5 yr. lease on other 1/50

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? Yes. Expires January 17, 1956

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? No

b) MF-202 Yes - Needs to be obtained

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Not known. Probably adequate supply at nearby Battle Mountain.

b) Equipment and supplies Probably
(question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes, adequate for exploration

e) Power (question 13)* Gas, or Diesel required

Is a field check needed on any of these points? No

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Proposes to employ engineer to supervise the work.

Is a field check needed on this point? No

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? Yes, by field team, not applicant

If not, are there sufficient data given so that you can describe the project? Yes If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? Yes, but the proposed tunnel extension should lie slightly northwest of position shown on map, to insure drifting on the zinc-lead sulfide vein - see correction in blue.

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is?

10. Exhibit A.

(a) Project consists of the following:

1. Extending west adit 150 feet, following the zinc-lead suflide vein.
2. Sinking an inclined winze 100 feet deep from point 80 feet northeasterly of present face in west adit.
3. Sinking existing winze 320 feet from portal of west adit an additional 100 feet.
4. Raising 80 feet to connect west adit with existing 90-foot shaft.

(d) Drifting (includes labor, supervision and supplies)

150 feet at $20.00.....	$ 3,000
Winze preparation (includes labor, supervision & supplies)	
Winze sinking (includes labor, supervision & supplies)	
200 feet at $40.00.....	8,000
Raising (includes labor, supervision and supplies)	
80 feet at $15.00.....	1,200
Overhead:	
Clerk - 6 months at $230.....	1,390
Equipment rentals (tugger hoist, compressor, jackhammer).....	1,290
Equipment purchase.....	1,095
	16,205
Contingencies (18.975% of above items)	3,795
	$20,000

Exhibit C.

Items to be purchased: (see field team report)

(a)	3 sets hollow drill steel, 2', 4', & 6' lengths at $18.60 per set.....	60.00
(b)	Box of 50 jackbits 1½" - 50 at 0.51.....	25.00
(c)	" " " " 1 3/4" - 50 at 0.54...	27.00
(d)	" " " " 2 1/8" - 50 at 0.56...	28.00
(e)	1,000 lineal feet 2" air pipe at 0.60....	600.00
(f)	1,000 lineal feet 1" water pipe at 0.30..	300.00
(g)	Air hose.....	30.00
(h)	Water hose.....	25.00
		$ 1,095.00

Items which operator will rent

1 - 105 cu. ft. G. D. Compressor 6 mos at $140.00.....$ 840.00

1 - S-55 Jackhammer 6 mos. at $35..... 210.00

Items owned by operator which will be devoted to work

1 - Double drum tugger hoist and cable 6 mos. at $40.00..... 240.00

2 - 1,200 lb. capacity mine cars (rental not stated)

Exhibit D

Plans to employ a mine superintendent at $500 per month.
Plans to employ a mine clerk at $230 per month.
Wage scale is not given; labor being included in drifting, sinking costs. It is noted that 3 man crew of 1 miner, 1 mucker, and 1 tugger-hoistman will, with taxes and insurance, cost about $40 per day, which seems reasonable. If these costs are slightly low the contingency item of almost 20 per cent will care for it.

Is this part a worth-while exploration project?_____

d) Are the cost estimates detailed?_____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? Yes If so, attach a draft.

e) Are the cost estimates reasonable? Yes

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable? No

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed? No

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? Yes If so, attach a draft.

c) Are rents and charges reasonable? Yes

d) Is a field check needed? No

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question?

Reviewed by: O. M. Bishop USBM 2-20-52

Erwin J. Lyons GS

Date 3-4-52

16. The property was visited by the field team in April 1951 to determine its potential as lead-zinc sulfide ore producer for a proposed custom plant (DMA 703) that was to be built 18 miles southwest of Battle Mountain, Nevada. The information obtained on that visit was used in the report submitted by the field team on July 16, 1951. The field team supplies most of the necessary information not given by the applicant.

The quantity of drill bits proposed seems inadequate, and there seems little justification in employing the services of a clerk, as the superintendent would have sufficient time to attent the limited clerical work needed.

Exploration of the zinc sulfide vein near the face of the West Adit and further exploration in the winze which is about 320 feet in from the portal of the West Adit seem justified.

It is suggested that the work be done in two stages. The first stage would include extending the West Adit 150 ft. and cleaning out the winze which is about 320 ft. from the portal. The second stage, dependent upon the results obtained in the first stage of the work, to consist of sinking the two winzes.

O. M. Bishop

O. M. Bishop USBM
2-20-52

Ernest J. Lyons

E. J. Lyons, USGS
3-4-52

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 433X

Commodity Lead-zinc

Total Amount $25,000

Govt. Participation 50%

1. Name and Address of Applicant Frank B. Keever, P. O. Box 43, Baxter, California

2. Location of Property Bentley Mining Claims, Battle Mountain, Lander County, Nevada

3. Mineral or metal Lead-zinc Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination X

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes (question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? No (Why not?) [illegible]

a) MF-201? _____

b) MF-202 Yes [illegible]

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Sufficient

b) Equipment and supplies Available
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* _____

d) Water (question 13)* Limited local supply

e) Power (question 13)* Gas engine or Diesel power required for project

Is a field check needed on any of these points? _____

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

Is a field check needed on this point? _____

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Proposed work not clearly located in mine area, therefore, cannot be accurately determined if it is all exploration or development.

If not, what part of it is? _____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? Don't know

f) Should more information be requested from applicant? Field check needed

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Don't know

b) If so, are sufficient data furnished? No If so, attach a draft.

c) Is a field check needed? Yes, Required for answers to all following questions.

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable?_____

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data?_____

b) Is the schedule adequate for the work proposed?_____

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed?_____

14. Exhibit E (question 23-c)*

a) Is it applicable?_____

b) Sufficient data?_____

c) Reasonable?_____

d) Field check needed?_____

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? The applicant has failed to describe adequately the projects. The location of the work to be performed is not shown on the accompanying maps. There is some doubt about the assays. No widths are given nor in all cases are the samples assayed adequately described, i.e. oxides or sulfides. Sinking costs at $30 per foot are too low. Perhaps diamond drilling would be better but holes are not located nor is a footage estimate given.

Reviewed by: A.L. Brokaw - GS

G. A. Apell - BM

Date_____

97692

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~BUREAU OF MINES~~
REGION III
DEFENSE MINERALS ADMINISTRATION

1012 Flood Building
870 Market Street
San Francisco 2, Calif.
~~1445 APPRAISERS BLDG.,~~
~~630 SANSOME STREET,~~
~~SAN FRANCISCO 11, CALIF.~~

OFFICE OF
~~REGIONAL DIRECTOR~~
Executive Officer
DMA Field Team
Region III

July 23, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, Defense Minerals Administration, Washington, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: DMA-433X - Bentley Mining Claims, Battle Mountain, Lander County, Nevada - Lead-Zinc

Reference is made to your subject "Review of Application for Exploration Assistance" dated June 15, requesting additional information concerning subject application for an exploration loan amounting to $25,000.

Russell R. Trengove, Mining Engineer, U. S. Bureau of Mines, has examined the Bentley Mining Claims and concludes that the property has sufficient merit to warrant further exploration by drifting, raising and sinking in an area where sulphides were encountered in the West adit. The property is in a well-mineralized district and it seems that the property warrants a small amount of exploration work to determine its potential as a producer of lead and zinc minerals.

Four copies of the report "DMA-433X - Bentley Mining Claims, Lander County, Nevada", by Russell R. Trengove, Mining Engineer, U. S. Bureau of Mines, dated July 16, 1951, are attached. A revised estimate of the cost of carrying out the project totaling $20,000 is given on pages 6 and 7 of the report.

The docket and correspondence relating to it are returned herewith.

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

Attachment

Copy to: E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 27 1951
LAMBERT F. STROBEL
Executive Secretary

AUG 1 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-455X, Bentley Mining Claims

Lander County, Nev.

Russell H. Trengove, Mining Engineer
U. S. Bureau of Mines

July 16, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 27 1951
U. S. BUREAU OF MINES
Emergency Supply

ON-SITE
BRAM

DOCKET DMA-453-I

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

BENTLEY MINING CLAIMS, LANDER COUNTY, NEV.

By Russell R. Trengove[1]

SUMMARY, CONCLUSIONS, and RECOMMENDATIONS

The Bentley mining claims were examined by an engineer[1] of the U. S. Bureau of Mines and a geologist[2] of the U. S. Geological Survey in April 1951 when this property was considered as a potential supplier of lead-zinc sulphide ore to the proposed custom sampling plant, DMA-703, at the Copper Canyon Mining Co.'s mill, situated 18 miles southwest of Battle Mountain, Nev.

This property is now under consideration for an exploration loan of $25,000. A revised estimate by the Bureau engineer indicates that this should be done for about $20,000.

The purpose of the exploration is to explore for lead-zinc sulphides by drifting, raising, and sinking in the area where rich sulphides were encountered in the face of the West Adit. A Bureau of Mines sample of 2 feet of sulphides assayed as follows:

Ounces		Percent		
Au	Ag	Pb	Zn	Cu
0.26	4.9	4.6	18.2	0.11

The property is in a well mineralized district. Examinations that have been made indicate that the property has merit. It is recommended that the application for the loan be given favorable consideration

1/ Russell R. Trengove, Mining Engineer, Mining Division, Region III, U. S. Bureau of Mines.
2/ Ralph J. Roberts, Geologist.

as there are possibilities of developing lead-zinc sulphide ore bodies at depth.

INTRODUCTION

An application for Government loan under Sec. 302 of the Defense Production Act of 1950 was made by Frank B. Keever, owner, December 7, 1950. The loan, $30,000, is for the purpose of equipping and putting his lead-zinc property into production. On May 14, 1951 he revised his application, increasing the loan to $35,000 for "exploration assistance".

An examination was made of the Bently mining claims in April 1951 by an engineer of the Bureau of Mines and a geologist of the U. S. Geological Survey when the property was considered as a potential supplier of lead-zinc sulphide ore to the proposed custom sampling plant, DMA-703, at the Copper Canyon Mining Co.'s mill situated 18 miles southwest of Battle Mountain, Nev.

LOCATION AND PHYSICAL FEATURES

The Bentley group of seven mining claims, the Mayflower, Redemption sometimes called Bentley, Humboldt, Auburn, Eureka, Lander and Copper Queen Extension #19, are located in sec. 30, T. 32 N., R. 44 E., Copper Basin area, 8 miles southwest of Battle Mountain, Nev. (fig. 1), the supply center and shipping point. The town is served by the Southern Pacific and the Western Pacific Railroads. Direct shipping ore is trucked to a loading ramp on the Southern Pacific Railroad. Milling ore could be trucked to the Copper Canyon Mining Co.'s mill, about 18 miles to the south.

The property is in an area of moderate relief at an altitude of about 6,100 feet. The region is semi-arid; the annual precipitation being light and occurring mostly as snow, with occasional showers in spring and fall.

There is no timber in the area. Vegetation consists of sagebrush and varieties of desert grass. Water for camp and mining operations is secured from springs 2 miles west of Copper Basin. No transmitted power is available.

Housing for employees can be secured at Copper Basin and Battle Mountain. With the exception of ore loading bins, there are no structures on the property.

HISTORY AND PRODUCTION

Little is known of the history or total production of the Bentley claims. The owner, Frank H. Keever, P. O. Box 45, Saxter, Placer Co., Calif., purchased the property in 1948. It is reported that there were some small shipments of manganese and oxidized lead ores made during World War I. Smelter returns show small shipments in 1935, 1940-1942 and 1948-1949. These shipments evidently were made from time to time to defray expense of annual assessment work. All shipments were from the oxidized zone.

Available smelter returns show the following production and grade of the shipments:

Date	Dry Weight pounds	Ounces/T Au	Ounces/T Ag	Percent Pb	Percent Cu	Percent Zn
8/14/40	51,700	0.12	22.7	3.75	0.27	1.8
10/20/41	37,638	0.11	22.7	3.7	0.50	1.2
11/4/48	50,262	0.185	20.2	9.4	0.2	0.6
4/4/49	78,768	0.14	18.05	6.0	0.12	—

Assay results from 18 samples, selected to give average value of ore from the working places from which the samples were taken, gave an average value of 0.25 oz. Au, 17.8 oz. Ag, and 6.65% Pb.

A composite sample of 50 pounds of the ore sent to the International Smelting and Refining Co., Salt Lake City, for testing for oxide-lead milling, assayed and analyzed 0.16 oz. Au, 22.56 oz. Ag, 9.1% Pb, 14.1% Fe, and 46.2% Insol.

MINE EQUIPMENT AND MINE WORKINGS

Except for two mine cars, each of 1200 lbs. capacity, and track in the West Adit, the mine is not equipped at present.

Development consists of numerous sloughed-in surface cuts; two adits named the West Adit and East Adit, and a vertical shaft, 80 feet deep (fig. 2). All development work and production to date has been in the zone of oxidation. The ore deposits occur mostly in zones of fractured quartzite associated with small intrusive dikes.

The West Adit vein bearing roughly N. 20° E. dips about 70° NW. The East Adit vein bearing roughly N. 60° E. dips about 45° NW. In each adit, there is a 50 foot winze. The bottom of the winzes are not open for inspection but they are reported to be in ore. Small bunches of sulphides are reported to be at the bottom of the East Adit winze.

When samples were being taken by the owner for metallurgical tests, sulphides were found in the face of both adits. Three samples across the two-foot sulphide vein assayed as follows:

	Ounces/T		Percent	
	Au	Ag	Pb	Zn
	0.28	7.00	7.10	9.0
	.27	6.80	6.20	Not run
	.17	5.40	4.00	16.8
Average	.24	6.4	5.7	12.9

This checked with the Bureau engineer's sample as follows:

					Cu%
	.26	4.9	4.8	13.2	0.11

No work has been done to date to prove the continuity of the sulphide vein either horizontally or at depth.

PROPOSED EXPLORATION (Fig. 2)

Connect vertical shaft with West Adit to improve ventilation and explore in oxide zone above West Adit. Length of raise about 80 feet.

Advance West Adit 150 feet and explore downward extension by sinking winze 100 feet deep, 75 feet from end of present adit.

Take advantage of the present 80-foot winze in West Adit, by mucking out 25 feet of dirt and sinking an additional 100 feet.

EQUIPMENT NEEDED

Quoting Mr. Keever, in a letter, date Dec. 7, 1930, to Mr. H. G. Miller, Regional Director:

"I have at my command from an idle gold mine, much of the equipment that will be needed, such as drills, steel, track, pipe, power hoist, blacksmith outfit, etc."

This equipment is at the Rawhide Gold mine, about 6 miles south of Baxter, Calif. He also has a compressor there but it is too large (600 cu. ft.) for a small exploration. The access road to this gold

mine is three miles of one-way truck trail with curves too sharp for long wheelbase trucks. Grades are up to 18 percent in places. Upon investigation by the Bureau engineer, the cost of taking rail, pipe, etc. out of the mine and transporting it to Battle Mountain would be prohibitive. Also the drilling equipment and steel used at the Rawhide mine is too heavy for economical operation in the small drifts at the Bentley mine, therefore, it was agreed that equipment needed at the Bentley mine, should be obtained locally, if possible.

It was also agreed that the cost of sinking and supervision in Supplemental Sheets #2 & #3 to Form MF-102 are not correct. Sinking costs should be raised from $30 a foot to $40 a foot.

Mr. Keever plans on hiring an experienced mining engineer for the project. This man will be a working supervisor at a salary of $500 per month. The cost of supervision is included in mining costs.

The time required to drift, sink, and raise a total of 430 linear feet, using 5-1/2 feet of advance per day, 21 working days per month, would be about six months.

A revised estimate of the cost is as follows:

1	Clerk 6 mos. @ $250 a mo. incl. Ins. & Tax	$1500
	Drifting 150' @ $20	3000
	Sinking 200' @ $40	8000
	Raising 80' @ $15	1200
	Mucking 25 ft. of old winze. 3 men: 1 miner, 1 mucker, 1 tugger-hoistman incl. ins. & taxes, 6 da. @ $40	240
	Rental 1 105-cu.ft. used Gardner-Denver air compressor, 2 pneumatic tires 6 mos. @ $140 per mo.	840
	Rental 1 Model S-55 used jackhammer 6 mos. @ $35 per mo.	210

Purchase:

3	sets hollow drill steel, 2', 4', & 6' lengths @ $18.60 per set	$ 60
1	Box I. R. jackbits, 1-1/2", 50 @ .51	25
1	" I. R. jackbits, 1-3/4", 50 @ .54	27
1	" I. R. jackbits, 2-1/8", 50 @ .56	28

Rental:

1	Double drum, tugger hoist & cable (Rawhide Mine) 6 mos. @ $40	240

Purchase:

	1000 linear feet 2" pipe (air) @ .60	600
	1000 " " 1" " (water) @ .30	300
1	Water hose	25
1	Air hose	30
		$16,205
	Contingencies about 25%	3,795
		$20,000

FILE COPY
SURNAME:

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

June 18, 1951

Mr. Frank R. Keever
Baxter
California

Subject: DMA-433X
Re: Exploration Loan

My dear Mr. Keever:

Receipt is acknowledged of your application and attachments of May 15, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-433X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on May 25, 1951.

In any future correspondence relating to your application, kindly refer to DMA-433X.

Sincerely yours,

LANDON F. STROBEL jc

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Herres
Lyon

Date	Initial	Date
Answered		

DEPARTMENT OF INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUN 1 8 1951
SAN FRANCISCO, CALIFORNIA

JUN 15 1951

Mr. H. C. Miller
Executive Officer, DMA Field Team
Region III
1415 U.S. Appraiser's Building
San Francisco 11, California

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 433X

Commodity Lead-zinc

Applicant Frank B. Keever, Box 43, Baxter, California

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Clay T. Ron
For Geological Survey

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

Re: Docket DMA-433X

Review Sent mailed

JUN 15 1951

JUN 15 1951

Mr. Frank B. Keever
P. O. Box 43
Baxter, California

Dear Mr. Keever:

Your application for a loan to explore the Bentley Mining Claims, Battle Mountain, Lander County, Nevada, has been referred to Mr. H. C. Miller, Executive Officer of the Field Team, 1415 U.S. Appraiser's Building, San Francisco 11, California, for further information and advice.

Very truly yours,

Tom Lyon, Director
Supply Division

ETMcKNIGHT:emp
G 6/14/51

Copies to: H. C. Miller Region III (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
L. F. Strobel
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

dma
433X

P.O. Box 43
Baxter, Placer County,
California.
May 14, 1951.

Mr. Otto Herres, Chief
Lead-Zinc Branch
Defence Minerals Administration
Washington 25, D.C.

DMA-433X
Bentley Mining Claims
Battle Mountain,
Lander County, Nevada.

Dear Mr. Herres:

I received your good letter of April 12th. I have been called to our California gold property, and the above will be my address until you have been advised. The intervening time since receipt of your letter has passed to an extent which I had not realized.

I have hesitated somewhat in sending the accompanying forms on account of some uncertainty of my ability to supply funds on my part required under the matching plan, as suggested in my letter of April 13th. While that is not entirely eliminated I feel more assured about it by the very favorable reactions toward the attractiveness of the project by a few whom I have approached.

Incidentally Mr. Roberts of the Bureau of Mines, Salt Lake City, and ~~Mr.~~ Mr. Trengore of the Bureau, Reno, were at the Bentley in connection as I understood, with investigation of prospective ore for a local treatment or purchasing plant for the neighborhood. Mr. Trengore sampled the newly exposed suphide ore shoot of the Bentley. He kindly gave me the assay result which was % Pb 4.6, % Zn 13.2, % Cu 0.11, oz Au /T 0.26, oz Ag /T 4.90. The two previously taken samples of this ore, reported in the data I submitted originally assayed respectively % Pb 7.10, % zn 9.0, oz Au /T 0.28, oz Ag /T 7.00, % Pb 4.00, % Zn 16.8, oz Au /T 0.17, oz Ag /T 5.40. A forth sample of this ore which was not assayed for zinc assayed % Pb 6.20, oz Au /T 0.27, oz Ag /T 6.80. The above are the only samples which have been taken from this ore shoot, which became exposed fortuitously in cutting samples in the oxidized ores from which previous production from the property had been obtained.

Trengore

I would like the arrangement to permit of utilizing any returns possible from ore produced in the progress of exploration and development. Several experienced operators - interested to lease or purchase the property - think that it has ready ore shipping promise. I presume that this flexibility would not be objectionable to the Government.

MAY 25 1951

It is my intention to obtain Mr. Oliver C. Dupuis to supervise and direct the project. He supervised our California gold operation for considerable time. He grew up and trained in the Idaho and Montana mines and is experienced in lead and zinc conditions. He got his mining Degree under the late Francis Thompson of Montana School of Mines, whom I gave his first job when he graduated from Golden. I can attend to the clerical work of the project and assist Mr. Dupuis.

Mr. Dupuis is not available at this writing or I would have him itemize and tabulate the costs proposed, and formulate the time schedule. I can, at best, attempt only tentative ones. I will have him substitute formal ones as soon as I can see him, for approval of the Government's engineer.

Very truly yours,

Frank B. Keever

Frank B. Keever

P.S.

In preparing the tentative time schedule and cost estimates I am reminded of the much larger wages and prices since I last engaged in active mining. I have therefore based estimates on a total expenditure of $25,000. and would like to revise my application to a participation for the Government's share of $12,500.00 or 50% of the total. If this is not agreeable I think I can accomplish my objective on the $20,000.00 original estimate but it would be close work.

F.B.K.

LANDON F. STROBEL

No answer required.
Otto Herres
4/20/51

Battle Mountain, Nevada,
P.O. Box 231
April 13, 1951

Mr. Otto Herres, Chief
Lead-zinc Branch
Defense Minerals Administration
Washington 25, D.C.

DMA-433
Bentley Mining Claims
Lander County, Nevada
Battle Mountain.

Dear Mr. Herres:

I am indeed appreciative of your prompt reply to my letter of April 3rd. I fear that I failed in that letter to make clear what I had in mind; please pardon me. I had no thought that the Government might give any approval to a project without first investigating its merit.

My desire was to know if the Government would investigate the project without my being first in position to guarantee my part in matching the fund. Such tentative approval if the investigation warranted it would very greatly assist me in complying with the fund matching requirement.

Very truly yours.

Frank B. Keever

Frank B. Keever
Owner
Bentley mining claims.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 19 1951
LANDON F. STROBEL
Executive Secretary

APR 19 1951

April 10, 1951

BMA-433
Bentley Mining Claims
Lander County, Nevada

Mr. Frank V. Keever
P. O. Box 231
Battle Mountain, Nevada

Dear Mr. Keever:

I have your letter dated April 3, concerning matching of funds under the exploration program for your Bentley Mining Claims in Nevada. In answer to your question about obtaining Defense Minerals Administration approval of the project it is most unlikely that the Government will match funds for any applicant without giving some consideration to the merit of the proposal.

It seems to me that the contracts to be issued by the Government in connection with exploration projects that are approved, will be of some assistance to the applicant in raising his share of the matching funds.

Yours very truly,

Otto Herres

OTTO HERRES, Chief
Lead-Zinc Branch

OHERRES/mp

CC: Mr. Strobel
Mr. Herres
Mr. McKnight
Mr. Note
Mr. Moen
Files
2 copies to: Mr. H. G. Miller, Executive Officer Field Team
Region III, 1415 Appraisers Building, San Francisco, Calif.

FILE COPY
SURNAME:

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

A. B. Campbell
Per Ryan
McKnight
Herres
Mote

APR 12 1951

In reply please
refer to DMA-433

Mr. Frank B. Keever

Baxter, Placer County, California

Dear Mr. Keever:

One of the purposes of the Defense Production Act of 1950 is the encouragement of exploration, development and mining of strategic minerals and metals. Where an applicant has proven reserves of strategic materials, Federal aid in mining can be given through procurement contracts for such materials as are in short supply. On the strength of these contracts, the applicant can obtain private financing in most instances.

The program recently approved for encouragement of exploration of strategic materials calls for participation on the part of the applicant. For zinc, lead and copper deposits it will be necessary to match Government funds on an equal basis. Funds advanced by the Government will be considered a loan, to be repaid if the exploration is profitable, but to be canceled if unsuccessful. The details of the plan, explaining the projects that will be eligible for assistance, the terms and schedules of financing, repayment, and other pertinent information, are enclosed.

A review of your application (DMA-433) for financial aid in an exploration and development program at the Bentley Mining claims indicate that your proposal may be considered under this exploration program. Details concerning expenditures that will be considered chargeable to exploration aid will be subject to a final determination by negotiation, but as a preliminary appraisal, we believe that the program will apply to the total amount of your application, $20,000.00.

Before we can proceed further with consideration of your application, which may or may not require a field examination, please indicate your willingness to provide your share of the funds needed to carry out the proposed exploration. Any modification of your original proposal that you may wish to make will be considered, but you should be specific concerning the work you wish to undertake.

ABCampbell:emp G 3/21/51

Very truly yours,

Otto Herres

Copies to: 2 copies to H. D. Miller
Exec. Officer, Region III
Chief, Lead-Zinc Br.
McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel

OTTO HERRES, Chief
Lead-Zinc Branch

C. D. Mittendorf

Files

Enclosures

FILE COPY
SURNAME:

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

Note
M.C. Kerr
Herres

April 10, 1951

DMA-433
Bentley Mining Claims
Humboldt County, Nevada

Mr. Frank L. Keever
P. O. Box 731
Battle Mountain, Nevada

Dear Mr. Keever:

I have your letter dated April 3, concerning matching of funds under the exploration program for your Bentley Mining Claims in Nevada. In answer to your question about obtaining Defense Minerals Administration approval of the project it is most unlikely that the Government will match funds for any applicant without giving some consideration to the merit of the proposal.

It seems to me that the contracts to be issued by the Government in connection with exploration projects that are approved, will be of some assistance to the applicant in raising his share of the matching funds.

Yours very truly,

Max Herres

MAX HERRES, Chief
Lease-Fine Branch

DMHERRES/mr

CC: Mr. Strobel
Mr. Herres
Mr. McKnight
Mr. Kote
Mr. Moon
Files
2 copies to: Mr. R. C. Miller, Executive Officer Field Team
Region III, 1415 Appraisers Building, San Francisco, Calif.

Dma - 433

856

LANDON F. STROBEL

Mr. Herres

ans. 4/10/51

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 - 1951
LANDON F. STROBEL
Executive Secretary

Battle Mountain, Nevada
P.O. Box 231
April 3, 1951

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D.C.
APR 5 12 42 PM '51

Mr. Otto Herres, Chief
Lead-zinc Branch
Defense Minerals Administration
Washington 25, D.C.

DMA-433
Bentley Mining Claims
Lander County, Nevada
Battle Mountain.

Dear Mr. Herres:

I acknowledge with thanks your letter of March 21st. Acting on your suggestion I am writing to Mr. H. C. Miller, Executive Officer, Region III, San Francisco.

I notice from the press release which you enclosed the reference to the wish to use funds on a matching basis. It will greatly assist in procuring private matching funds if it may be possible to obtain the Defense Minerals Administration's approval of the project, as assurance to anyone furnishing the matching funds that the project will be sufficiently financed. Is it possible to obtain that approval ?

I may have mentioned in previous letter that I would now have this project in operation on my own resources were it not that my resources are almost entirely absorbed in maintaining a gold mine which after thorough examination was sold for $500,000 pending improvement in conditions for mining gold.

Awaiting your reply, I am

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 - 1951
LANDON F. STROBEL
Executive Secretary

Very truly yours

Frank B Keever

Frank B. Keever
Owner
Bentley Mining Claims.

c/c to
Mr. H. C. Miller

APR 6 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 - 1951
LANDON F. STROBEL
Executive Secretary

Battle Mountain, Nevada
P.O. Box 231
April 3, 1951.

Mr. H. C. Miller
Regional Director, Region III
Bureau of Mines
630 Sansome Street
San Francisco 11, California.

Re: Bentley Mining Claims
near Battle Mountain,
Nevada.

Dear Mr. Miller:

I am enclosing copy of letter I have received from Mr. Otto Herres, Chief Lead-zinc Branch, Defense Minerals Administration, Washington 25, D.C., also copy of my reply to it.

Will you kindly send to me the information which he suggests that I ask you for, and any suggestions you properly may make which might be of advantage to my position. I am straining my scanty immediated funds in carrying on limited preparatory work at the property.

Thanking you for your previous kind attention to this matter, and gratefully ~~and~~ anticipating any further advisee from you, I am

Very truly yours,

Frank B. Keever
Owner
Bentley Mining Claims.

c/c to
Mr. Otto Herres.

APR 6 1951 P

8

FILE COPY
SURNAME:

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

Mr. Knight
Herres

March 21, 1951

DMA-433
Bentley Mining Claims
Lander County, Nevada
Battle Mountain

Mr. Frank B. Keever
P. O. Box 231
Battle Mountain
Nevada

Dear Mr. Keever:

Your letter to Mr. James Boyd dated March 8 concerning your application for Government assistance in the form of a loan amounting to $20,000 for development of your Bentley lead-zinc mine has been referred to me for reply.

Your application has been received and is in the hands of the Lead-Zinc Branch for consideration.

There is enclosed for your information copy of a press release describing the mineral exploration program recently approved. If you are interested in the details of this program, it is suggested that you communicate with the Region III Field Office Mr. H. C. Miller, Executive Officer, 1415 Appraisers Building, 630 Sansome Street, San Francisco, California, for details and application forms which will be available as soon as they can be printed.

Yours very truly,

Otto Herres

OTTO HERRES, Chief
Lead-Zinc Branch

Enclosure - 1

OHERRES:ks

cc: Mr. Moon
Mr. Mote
Mr. McKnight
Mr. Herres
2 copies Executive Officer Field Team Region III
1415 Appraisers Building, 630 Sansome St.
San Francisco, California
Files

DMA-433

856

BUREAU OF MINES
WASHINGTON, D. C.

MAR 12 8 34 PM '51

1. Mr. Herres
2. files, DMA
ans. O Herres 3/21

P.O. Box 231
Battle Mountain, Nevada.
March 8, 1951.

DMA 433

Mr. James Boyed, Administrator,
Defense Minerials Administration,
Washington D. C.

Re: Bentley Mine
Lead-zinc Ore
Battle Mountain, Nevada,

Dear Sir:

I had notice on January 8th. from Mr. H. C. Miller, Regional Director, Region III, that he had sent to you application documents previously submitted by me requesting a loan of $20,000. with which to equip and put into production a lead-zinc property which I own. Several experienced and competent mining engineers with whom I consulted both before and since I purchased the property recommended it for development, which I have not been able to afford due to involvment in inoperative gold properties.

I have taken upon myself, under encouragement that a loan might be forthcoming, to undertake preparatory work and purchase of materials to expedite getting the project going. I find however that I am committing myself to what may be an embarrassing extent should the loan not materalize. I shall greatly appreciate it if you can find opportunity to give me a suggestion, in point of time, when I may expect an examination of the property.

Before I understood that applications should originate at a Regional Office and thus had submitted the data to Mr. Miller I had submitted similar data to Mr. A. C. Johnson Chief, Mining Division Region III, Reno, Nevada. He I think has that information. Also, previously, Mr. J. B. Jadra, Supervising Engineer, Metallurgical Division, Reno Branch, Bureau of Mines very kindly had some testing done for me on the oxidized lead ores of this property. I mention the foregoing in case it might facilitate the examination.

Respectfully yours,
Frank B. Keever
Frank B. Keever

MAR 19 1951

This letter and documents forwarded to you on 1/18/51 from my office. Stabel: pf

REGIONAL DIRECTOR

DMA-433
LANDON F. STROBEL

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
1415 U. S. APPRAISERS BLDG.,
630 SANSOME STREET,
SAN FRANCISCO 11, CALIF.

DMA

January 8, 1951

Memorandum

To: Mr. James Boyd, Administrator,
Defense Minerals Administration, Washington, D. C.

From: Regional Director, Region III

Subject: DMA loan application--Frank B. Keever, Baxter, Placer County, California.--Lead-zinc.

There are attached loan application documents submitted by Mr. Frank B. Keever, Baxter, Placer County, California. Mr. Keever requests a loan of $20,000 to equip and put his lead-zinc property into production. We have reviewed his application and conclude that an examination is required and justified for proper appraisal.

H. C. Miller
Regional Director, Region III

Attachment (File)

Copy to: Mr. Frank B. Keever, Baxter, Calif.

JAN 17 10 54 AM '51
BUREAU OF MINES
WASHINGTON, D.C.

DMA-433

F	Noted	Date
Received		12/26/50
Mailed	Office	12/26
Answered		

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
DEC 11 1950
SAN FRANCISCO, CALIFORNIA

Baxter, Placer County,
California.
Dec. 7, 1950.

Mr. H. C. Miller, Regional Director,
U. S. Bureau of Mines,
1415 U. S. Appraisers Bldg.,
630 Sansome Street,
San Francisco 11, California.

Re: Bentley Mining Claims.
near Battle Mountain, Nev.

Dear Sir:

I appreciate the very considerate hearing which you gave to me, a few weeks ago, when I called at your office.

I am submitting herewith and under separate cover information about my property in Nevada known as the Bentley group of mining claims.

If loans from the Government to individual producers of minerals are available or becomes so I very respectfully desire to obtain $20,000 with which to equip and put the property into production and to prosecute further exploration and development of the deposit. I most certainly would be operating this property now were not my resources frozen, to the point of personal distress, in gold mining properties which are not workable under present conditions relating to gold mining.

I have at my command from an idle gold mine, if availed of within reasonable time, much of the equipment that will be needed, such as drills, steel, track, pipe, power hoist, blacksmith outfit etc. I can obtain also sufficient labor from my former employees in gold mining. Supplies are available at local points.

I mentioned to you that I had previously talked with Mr. Johnson, Chief of Mining Division of the U. S. Bureau of Mines, at the University of Nevada, Reno. I did not know at the time that applications should originate at a Regional Office. He has information such as I am submitting to you.

Yours very truly,

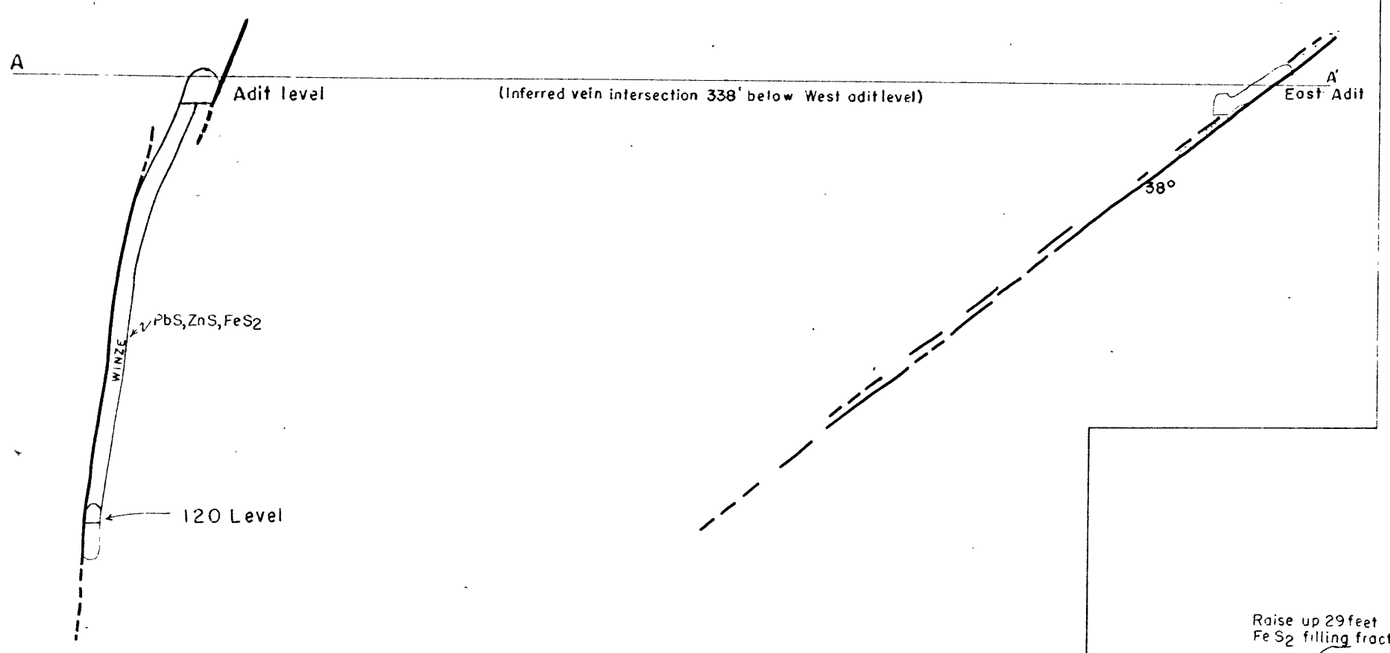
Frank B. Keever

Frank B. Keever.

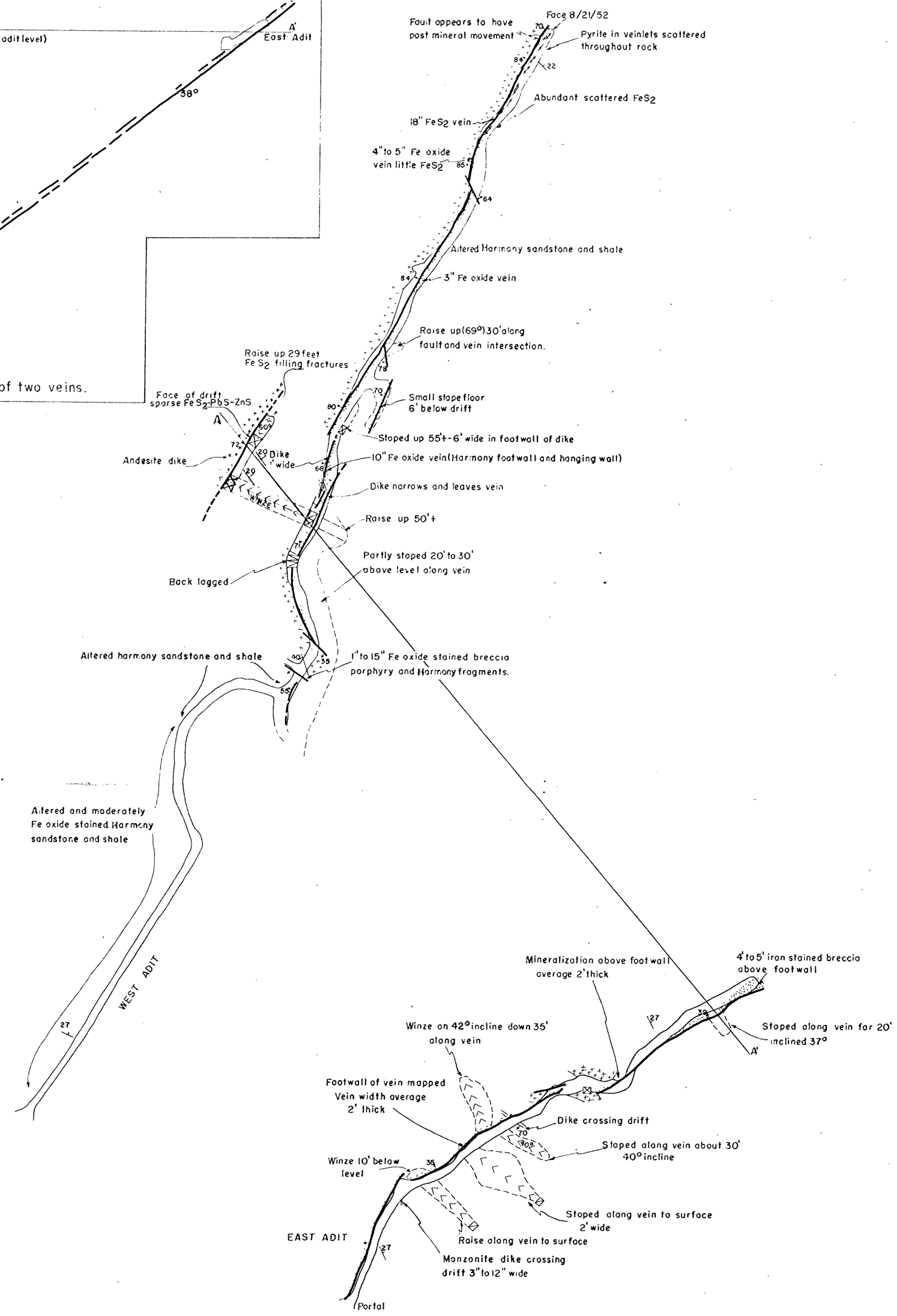
P.S.

I find in making up this mail that I have on hand only the tracing for the Claim Map, Item 3 on the list; also I have only original copies of smelter returns of 1935 and 1942, item 7 on the List. I shall have prints made when I can get to where it can be done. The 1942 smelter return was for a small shipment of ore which assayed .135 gold, 95.1 silver, 48.8 lead. It was not run for zinc.

F.B.K.



Cross section along line A-A' looking N.E. showing relationship of two veins.



EXPLANATION

Harmony formation

Andesite porphyry

oxides

Contact, showing dip (Dashed where approximately located)

Fault, showing dip (Dashed where approximately located)

Vein, showing dip (Dashed where approximately located)

Strike and dip of beds

Stringers or veinlets of ore

Inclined workings (Chevrons point down)

Foot of raise or winze

Head of raise of winze

TRUE NORTH
MAG. NORTH

Mapped by Arnold, Sorenson and Rhodes

EAST & WEST ADITS
BENTLEY MINE
BATTLE MOUNTAIN MINING DISTRICT
LANDER COUNTY, NEVADA

0 40 80 FEET
Scale