UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (or cancelled) without certification. DMEA No. 1640

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.

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 _____

J. J. M.
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

Defense Minerals Administration
RECEIVED
MAR 31 1954

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

W. F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

pertaining to Exploration Project Contract No. Idm-E207, Docket No. DMA-1640X, including Amendments Nos. 1 and 2, for the period December 1, 1951, to October 31, 1953, covering a project for the exploration of mercury, on property known as the Red Rock Quicksilver Mine, located in Esmeralda County, Nevada.

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

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

(a) the administrative cost to the Government of an audit would be excessive in relation to the estimated amount of possible disallowances thereunder; and

(b) the Monthly Reports were supported by documentary proof of the costs incurred under the contract, except for December 1951 costs ($290.85) consisting of labor performed by the operator $140.00, supplies $83.85, and depreciation $67.00, which have been determined to be reasonable and necessary costs of the exploration project.

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

Total cost as billed by the Contractor	$7,458.68
Exceptions	None
Total Accepted Cost	$7,458.68

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the Contractor by the Government in the amount of Five Thousand Five Hundred Ninety-Four and 01/100 Dollars

** $5,594.01 **

is considered valid and proper, provided 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 25, 1954

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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OCT - 2 1953

Government Copy

DOCKET NO. DMEA-1640
CONTRACT IDM-E207 (Amended)

AMENDMENT NO. 2

It is agreed this 16th day of September, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and W. F. Dunnigan, each acting in consideration of the agreement of the other to the terms hereinafter set forth, that Exploration Project Contract Idm-E207 (Amended), dated November 17, 1952, (Docket No. DMEA-1640) and amended June 17, 1953, be further amended as follows:

Date of completion of the contract extended one (1) month to October 30, 1953.

This Amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the amount of any item designated as allowable maximum.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

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

W. F. DUNNIGAN

By W. F. Dunnigan

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1953 SEP 24 AM 8:53

SAN FRANCISCO, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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AMENDMENT NO. 2

Docket No. DMEA-1640 Mineral Mercury

Exploration Project Contract Idm-E207 (Amended)

Date of Contract November 17, 1952

Date of Amendment September 16, 1953

Operator W. F. Dunnigan

JUSTIFICATION

Due to Mr. Dunnigan's inability to hire anyone to help him with his project, he will require an extension of one month's time in order to explore his property as originally outlined in his contract. Accordingly, Amendment No. 2 has been executed, extending the time for completion to October 30, 1953.

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

Government's Copy

W. F. DUNNIGAN
EXPLORATION PROJECT CONTRACT IDM-E207
DOCKET NO. DMEA-1640

AMENDMENT NO. 1

It is agreed this 17th day of June, 1953, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and W. F. Dunnigan, each acting in consideration of the agreement of the other to the terms hereinafter set forth, that Exploration Project Contract Idm-E207, Docket No. DMEA-1640, dated November 9, 1951, and amended November 17, 1952, be further modified and amended as of June 17, 1953, as follows:

Date of completion of the contract extended three (3) months to September 30, 1953.

This Amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the amount of any item designated as allowable maximum.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

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

W. F. DUNNIGAN

By W. F. Dunnigan

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1983 JUN 20 AM 11:00

SAN FRANCISCO, CALIFORNIA

AMENDMENT NO. 1

Docket No. DMEA-1640 Mineral Mercury

Exploration Project Contract Idm-E207

Date of Contract November 9, 1951 Amended November 17, 1952

Date of Amendment June 17, 1953

Operator Walter F. Dunnigan

JUSTIFICATION

Contract Idm-E207 amended calls for completion of the project "prior to June 30, 1953."

Due to adverse weather, the Operator was unable to make an anticipated early start on the project this spring and has requested a 3-month extension of the expiration date. According to Mr. Benjamin H. Sheahan, Bureau of Mines, Mining Engineer, the exploration work under Stage II of the contract "is reaching the interesting point and the property has possibilities for mercury mineralization" and he recommends granting the Operator's request. Accordingly the contract is amended setting the expiration date as September 30, 1953.

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

MF-200
(June 1951)
(Revised Feb. 1952)

DOCKET NO. DMEA 1640

COMMODITY Mercury

UNITED STATES OF AMERICA Government's Copy
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

IDM-E 207

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

Amended
EXPLORATION PROJECT CONTRACT[1]

IT IS AGREED this 17th day of November, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Walter F. Dunnigan of Red Rock Quicksilver Mine, Dyer, Nevada, hereinafter called the Operator, that Contract No. Idm-E207, dated November 9, 1951, between the same parties is amended and superseded as set forth in Annex I and as follows:

~~hereinafter called the "Operator," as follows:~~

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Nevada, County of Esmeralda, described as follows:[3] As set forth in Annex II

the Operator represents and undertakes:[4]

(*a*) That the Operator is the 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: No encumbrances

(*b*) ~~That the Operator is a lessee, in possession and entitled to possession, and the Owner's Consent to Lien is attached.~~

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.

ARTICLE 3. *Exploration project.*—The Operator, ~~within~~ has ~~days from the date of this contract shall~~ commenced work on a project of exploration for[5] mercury in or upon the described land; and shall bring the project to completion ~~within a period of~~ prior to June 30, 1953 ~~from the date of this contract.~~ The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided.

ARTICLE 4. *Performance of the work.*—(*a*) *Operator's responsibility.* The work shall be performed efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmens' compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. To the extent specified in Exhibit "A," attached hereto, the work may be performed by independent contractor or contractors; and work not specified in Exhibit "A" for performance by independent contractor may nevertheless be so performed upon amendment of Exhibit "A," as agreed to by the parties, to state the work to be so performed and the estimated unit costs thereof, as provided hereafter.

(*b*) *Independent contracts.*—Any independent contract for the performance of work shall be on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved), or on some basis that will indicate the amount due for work performed at any stage of the work to be performed under such independent contract. The Government shall not be nor be considered to be a party to any such independent contract, and the Government's right to terminate the exploration project contract under any of its provisions shall not in any manner be affected by reason of any such independent contract. If the reference in Exhibit "A" to any such independent contract states that the Government's approval thereof is required, the Government may refuse to participate in the cost thereof unless and until it has given its written approval of the independent contract.

(*c*) *Government may inspect.*—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.

ARTICLE 5. *Estimated costs of the project.*—A statement of the estimated cost of the project is set forth in Exhibit "A," attached hereto. Except insofar as any item of requirement or the estimated cost thereof set forth in Exhibit "A" is there or elsewhere designated as an "allowable maximum," such items of requirement and of related cost are estimates only, and may be exceeded to the extent that the Government may from time to time approve for the most economic and beneficial performance of the work within the limitation of the total aggregate estimate of costs. The Government's approval of any such excess over the estimate for an item of requirement or related cost will be signified by its approval and payment of any invoice or voucher for payment which expressly calls attention to such excess. Items expressly designated in Exhibit "A" or elsewhere as "allowable maximum," and the total aggregate estimated cost are limitations, and any excess therein will be for the sole account of the Operator in which the Government will not participate.

ARTICLE 6. *Allowable costs of the project.*—(*a*) The costs of the project in which the Government will participate are limited to the following:

(1) *Independent contracts.*—Payments to independent contractors under independent contracts listed in Exhibit "A." The estimated cost of any work to be performed under an independent contract is or shall be included in the estimate of costs in Exhibit "A" in terms of the estimated numbers of units of work to be performed, the estimated amount to be paid per unit, and the estimated total amount to be paid to the independent contractor, and such estimates shall be allowable maximums above which the Government will not contribute. Regardless of the provisions of any such independent contract, the Government will participate in the payments to the independent contractor only on account of work actually performed and that conforms with the provisions of the exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable and necessary. No such independent contract shall have the effect of increasing the estimated total cost of the exploration project contract nor the maximum amount which the Government will pay as provided in the exploration project contract.

(2) *Labor, supervision, consultants.*—Labor, supervision and technical services (including engineering and geological consultants), a schedule of which is included in the estimate of costs set forth in Exhibit "A." The requirements and related estimated costs for supervision and technical services are allowable maximums.

(3) *Operating materials and supplies.*—Necessary materials and supplies including items of equipment costing less than $50.00 each, and power, water, and fuel, a schedule of which is included in the estimate of costs in Exhibit "A."

(4) *Operating equipment.*—Any operating equipment to be rented or purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or the allowable depreciation, as the case may be, a schedule of which is included in Exhibit "A." Any items listed as owned and to be furnished by the Operator, and related ~~initial~~ allowable depreciation, are allowable maximums.

(5) *Rehabilitation and repairs.*—Any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and to be devoted to the purposes of the exploration contract, a schedule of which is included in the estimate of costs set forth in Exhibit "A." These items are allowable maximums.

(6) *New buildings, improvements, installations.*—Any necessary buildings, fixed improvements, or installations to be purchased, installed, or constructed for the purposes of the exploration work, with the estimated cost of each, a schedule of which is included in the estimate of costs in Exhibit "A." All of these items are allowable maximums.

(7) *Miscellaneous.*—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.

(8) *Contingencies.*—Such other necessary, reasonable direct costs of performing the exploration work, within the limit of the total aggregate estimate of costs, whether or not included in any schedule of costs in Exhibit "A," as may be approved by the Government in the course of the work, as indicated by its approval and payment of invoices and vouchers.

[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, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) The Government's payments in all cases will be based on actual, necessary costs (including contract unit prices), incurred not in excess of any "allowable maximum," and not in excess of the fixed percentage of the total aggregate estimated cost. Costs will be considered to be incurred only as they are or become due and payable.

(*c*) 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 this contract, shall be allowed as costs of the project in which the Government will participate.

ARTICLE 7. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operators shall provide the Government with monthly reports of work performed and costs (including contract unit prices) incurred under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of costs incurred on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) Compliance with requirements.—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *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. Upon the completion of the project or termination of the contract the Operator shall render a final account as provided in Article 12.

ARTICLE 8. *Payments by the Government.*—(*a*) The Government will pay 75 percent of the allowable costs incurred, as they accrue, in an aggregate total amount not in excess of $6,693.75, which is 75 percent of $8,925.00, the agreed, estimated total cost of the project in which the Government will participate; *Provided,* that until the Operator's final report and final accounting have been rendered to the Government, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract.

(*b*) The Government may make any payment or payments direct to independent contractors and to suppliers, for the account of the Operator, rather than to the Operator.

ARTICLE 9. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

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

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales; or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 10. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided,* that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 11. *Title to and disposition of property.*—All facilities, buildings, fixtures, equipment, or other items costing more than $50.00 each, paid for or purchased with funds contributed jointly by the Operator and the Government, although title may be taken in the name of the Operator, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the completion of the work or the termination of the contract shall be disposed of promptly by the Operator for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator at a price at least as high as could otherwise be obtained, as may appear to be for the best interest of the Government, unless the Government, in writing, waives its interest in any such item. If necessary to accomplish such disposition, the Operator shall dismantle, sever from the land, and remove any such item, the cost thereof to be for the joint account of the parties in proportion to their respective interests. If the Operator, within 90 days after the receipt of written notice from the Government, fails, neglects, or refuses to dispose of such property, the Government may itself enter upon the land, take possession of, and remove and dispose of any such property as above provided.

ARTICLE 12. *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 worth while 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 dispose of any remaining materials, supplies, facilities, buildings, fixtures, and equipment in which the Government has an interest, for the joint account of the Operator and the Government in the proportion of their respective interests; shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; and shall pay to the Government its pro rata share of any money remaining.

ARTICLE 13. *Changes and added provisions.* ....

Executed in sextuplicate the day and year first above written.

Walter F. Dunnigan
(Operator)

By Walter F. Dunnigan

THE UNITED STATES OF AMERICA

By [signature]
Administrator, Defense Minerals Exploration Administration

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

....

[CORPORATE SEAL]

EXPLORATION PROJECT CONTRACT
WALTER F. DUNNIGAN
DOCKET NO. DMEA-1640

ANNEX I

WHEREAS, the parties to this amended agreement are also parties to Contract Idm-E207 dated November 9, 1951, executed on Form MF-200 (June 1951) hereinafter called the "Prior Contract" and;

WHEREAS, all the exploration work provided for under Stage I of the Prior Contract has been completed, but because the formations thus exposed were considered unfavorable for diamond drilling, it is desired to change the work in Stage II as set forth in "Exhibit 'A' Amended" attached hereto and made a part hereof; and

WHEREAS, the parties desire to restate their agreement on the new contract form MF-200 (Revised Feb. 1952);

NOW THEREFORE, it is mutually agreed that: (1) effective as of October 27, 1952, the Prior Contract is amended and superseded by this Amended Contract which shall control the Government's claim and lien for percentage royalty, and in which all the rights and obligations of both parties have become fully merged, except that vouchers and claims for the Government's contribution to the work performed under Stage I of the Prior Contract and payment thereof shall be as therein provided; (2) the Operator hereby releases and agrees to save harmless the Government from all claims and demands arising out of the Prior Contract except as otherwise herein provided; and (3) Stage II of the Prior Contract shall be as stated in "Exhibit 'A' Amended" which shall be in lieu of Stage II as stated in Exhibit "A" of the Prior Contract, and the total cost of Stage I and Stage II Amended, shall not exceed the total amount thereof set forth in the Prior Contract.

EXPLORATION PROJECT CONTRACT
WALTER F. DUNNIGAN
DOCKET NO. DMEA-1640

ANNEX II

The Red Rock Quicksilver Mine, situated in the Fish Lake Valley Mining District, Sec. 18, T. 1 S., R. 34 E., M.D.B. & M., is comprised of the four unpatented claims; Red Rock and Red Rock Nos. 1 to 3 inclusive. The claims are recorded in Official Records, Esmeralda County, in Book 1-B, p. 263 - amended location Book 1-C, p. 132; Book 1-B, p. 263 - amended location Book 1-C, p. 133; Book 1-A, p. 291 - amended location Book 1-C, p. 133, and Book 1-A, p. 291 - amended location Book 1-C, p. 134 respectively.

EXPLORATION PROJECT CONTRACT
WALTER F. DUNNIGAN
DOCKET NO. DMEA-1640

EXHIBIT "A" AMENDED

Description of the Work

Stage II

In lieu of diamond drilling provided for in the Prior Contract, the work will consist of deepening present trenches or digging new ones with bulldozer aided by such drilling and blasting of rock as is necessary to explore croppings of mercury mineralization as indicated on map attached hereto and made a part hereof entitled "Exhibit B". The direction and extent of this work shall be determined only upon the expressed approval of the Government.

Estimated Costs of the Project
(* Indicates allowable maximum)

Stage II

(1) Independent Contracts

None

(2) Labor, Supervision, Consultants

Bulldozing, 240 hours @ $2.00/hr.	$ 480.00	
Drilling, 640 hours @ $1.75/hr.	1,120.00	$1,600.00

(3) Operating Materials and Supplies

Diesel oil and lubrication for dozer	150.00
Gasoline and lubrication for compressor and jack hammer	500.00
Parts for repair of bulldozer and Hoe attachment	300.00
Parts for repair of compressor and jack hammer	200.00
Explosives, powder, caps, fuse	1,200.00

Drill steel	$ 150.00	
Transportation of supplies	500.00	$3,000.00

(4) Operating Equipment

To be rented

Rental of welding outfit and supplies as needed	150.00	

To be furnished by Operator

	Value	Depreciation Allowance	
Bulldozer D4, with Kay Brunner hydraulic angle dozer	$4,000.00	333.35	
Compressor 140 cfm G-D portable	1,000.00	83.35	
Jack hammer and accessories	300.00	25.00	
Hoe attachment to dozer	400.00	33.30	625.00

Depreciation allowable only for time equipment is actually used. Depreciation allowance set forth is estimated on a basis of five months' actual use.

(5) Rehabilitation and Repairs

None

(6) New Buildings, Improvements, Installations

None

(7) Miscellaneous

Assaying	50.00	
Maintemance and repairs	120.00	170.00

(8) Contingencies 1,005.00

Total Estimated Cost of Stage II	$6,400.00*
Total Estimated Cost of Stage I	2,525.00*
Total Estimated Cost of Project	$8,925.00*
Govermment Participation @ 75%	$6,693.75*

MF-200
(June 1951)

Docket No. DMA 1640X
Commodity Mercury
Idm-E207

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

It is agreed this 9th day of November, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and[2] W. F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

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 Esmeralda described as follows:[3] The Red Rock Quicksilver Mine, situated in the Fish Lake Valley Mining District, Sec. 18, T. 1 S., R. 34 E., M.D.B. & M., is comprised of the four unpatented claims; Red Rock and Red Rock Nos. 1 to 3 inclusive. The claims are recorded in Official Records, Esmeralda County in Book 1-B, p. 263 - amended location Book 1-C, p. 132; Book 1-B, p. 263 - amended location Book 1-C, p. 133; Book 1-A, p. 291 - amended location Book 1-C, p. 133, and Book 1-A, p. 291 - amended location Book 1-C, p. 134 respectively.
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:

No encumbrances

(*b*) ~~That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached~~

3. *Exploration project.* The Operator, within Thirty (30) days from the date of this contract shall commence work on a project of exploration for[5] Mercury; 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] Twelve (12) months 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 75 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $6,693.75, which is 75 percent of the agreed estimated total cost of this project, $8,925.00.

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.

W. F. Dunnigan
(Operator)

By W. F. Dunnigan

THE UNITED STATES OF AMERICA

By Frank E. Johnson
Acting Director, Production Expansion Division
Defense Minerals Administration

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

Docket No. IMA 1640X
The W.F. Dunnigan Property
The Red Rock Quicksilver Mine
Exploration Project Contract

EXHIBIT "A"

Exploration Project

Time Schedule-Month	Stage I*
1-3	1. Trench by bulldozing the surfact to bedrock on either side of the Red Rock mine workings to explore for zones of alteration or mineralization anywhere within the two areas outlined on the attached map. The number, location, attitude and size of the various trenches is to be mutually agreeable to the Operator and the Government.
4-7	**Stage II***
	1. Drill a limited number of EX diamond drill holes, aggregating not more than 1,200 feet, to a maximum depth of 150 feet to test any favorable showing discovered in Stage I. This work is to be undertaken only after completion of Stage I to the satisfaction of the Government. The exact number, location, attitude and length of the drill holes will be determined by the Operator upon the basis of the results of Stage I, subject to approval by the Government. Drill logs and assays are to be submitted concurrently with the completion of individual holes.

* As indicated in section 4 of the contract, all sub-contracts are subject to approval by the Government.

The proposed work and the estimated cost thereof is as follows:

Stage I

1. Surface trenching by bulldozer @ $483.67 per month for labor and depreciation(additional costs appear elsewhere), 3 months	$ 1,451.00
Sub-total	$ 1,451.00

Stage II

1. Diamond drilling 1,200 feet of EX hole @ $2.61 per foot for labor and depreciation(additional costs appear elsewhere)	$ 3,132.00
Sub-Total	$ 3,132.00

Summary of Estimated Costs

Stage I (cost is segregated in items below)	- - - - - - -
Stage II (cost is segregated in items below)	- - - - - - -
Fixtures and improvements	- - - - - - -
Operating equipment	$ 3,469.50
Labor and supervision	4,314.00
Rehabilitation and repairs	1,141.50
Total	$ 8,925.00
Government participation 75 percent of the above	$ 6,693.75

Fixtures and Improvements:

Not applicable

Operating Equipment:

Equipment to be rented:

Not applicable

Equipment to be purchased:

1 - CP-55 or equivalent sized diamond drill	$ 1,200.00
Access-ries as rods, core barrel, bits, pump, hand tools, fishing tools, etc.	800.00
Sub-total	$ 2,000.00

Equipment to be furnished by Operator on a depreciation basis:

	Value	Monthly Allowance
1-D4 Tractor w/new Kay Brunner hydraulic angle dozer	$ 4,000	$ 67.00
1-140 cfm G-D portable compressor	1,000	17.00

Supplies to be purchased:

Fuel and lubricants for bulldozer	$ 350.00
Assays, tools, etc.	350.00
Fuel and lubricants for compressor, assays, etc.	500.00
Sub-total	$1,200.00

Labor and Supervision:

1. The following labor will be employed at the rates shown:*

Stage I

1 - Bulldozer operator @ $2.00/hr.-625 hours	$ 1,250.00
Sub-total	$ 1,250.00

Stage II

1 - Diamond drill operator @ $2.50/hr. 816 hours	$ 2,040.00
1 - Diamond drill helper @ $1.50/hr. 816 hours	1,024.00
Sub-total	$ 3,064.00
Total	$ 4,314.00

* Supervision is included in the labor. As the applicant is doing the work he is to be responsible for its direction and the cutting of representative samples and their subsequent handling.

Rehabilitation and Repairs:

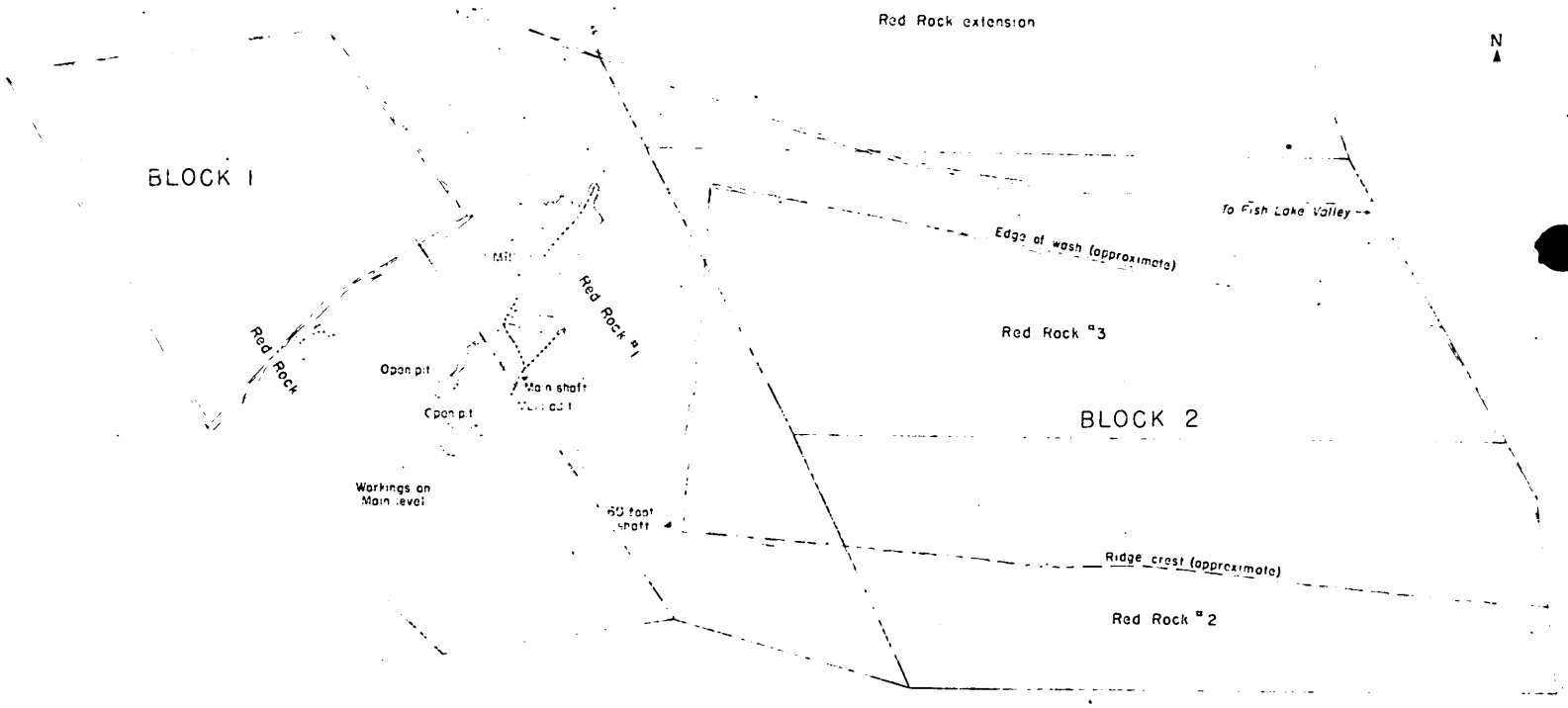
Stage I*

Repair parts and maintenance of bulldozer @ $1.50 per working hour, 625 hours*	$ 937.50
Sub-total	$ 937.50

Stage II*

Repair parts and maintenance of compressor @ $2.00 per working day, 102 days*	$ 204.00
Sub-total	$ 204.00
Total	$ 1,141.50

* The repair parts and maintenance items are to be charged against the project only as incurred and spent during the life of the project.



Claim corners are only approximately located

Base from map owned by W. F. Dunnigan

SKETCH MAP OF RED ROCK CLAIMS, ESMERALDA COUNTY, NEVADA
SHOWING LOCATION OF AREAS TO BE EXPLORED

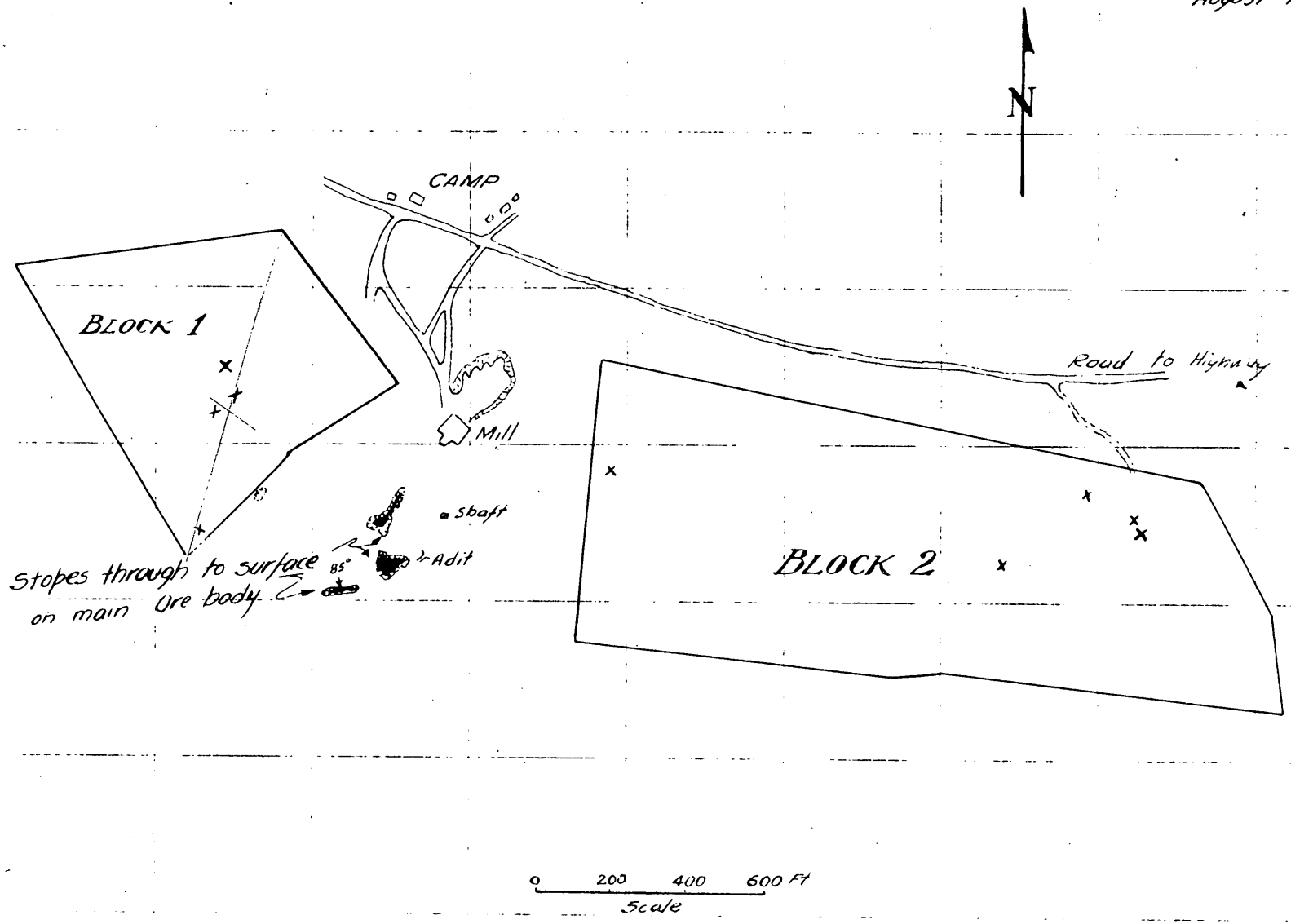
0 200 400 600 Feet

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1951 DEC 5 PM 1:56

SAN FRANCISCO, CALIFORNIA

Red Rock Quicksilver, Esmeralda Co. Nevada
sketch Map showing Blocks 1 & 2 of
Idm E 207 contract and
the cinnabar occurances exposed by Stage 1 x
August 1952



Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTER
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. DMA-16 X o X

Date received

Participation

Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Name and address of applicant

Date Aug. 6, 1951

FILL IN THIS BLOCK

Date of application May 29,1951

Estimated cost $10,940

Mineral or metal Mercury

Percentage of Government participation 75%

Location of mine Esmeralda county

Nevada

Date of filing MF-100 May 29, 1951

DMA Docket Number, if available 1640x

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

*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 attached sheet.

*5. Are you the owner or the lessee of the property? Owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

7. If lessee, attach a copy of the lease and state if it is in good standing.

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.

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 sheet.

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

16—64067-1

see Memo attachments of 8-23-51

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 M F-100

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. See MF-100

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. Red Rock Quicksilver Mine

*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 MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source. See MF-100

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See MF-100

15. State in detail how the ore could be shipped and how and where milled. 25 ton Furnace on property

*16. History: See MF-100

(*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: Not in production

(*a*) If mine is in production, furnish the following information:

	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.) None

(*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.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

None

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See exhibit A

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 exhibit A

THE REQUIREMENTS AND COSTS

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. Exhibit D $4520

(*b*) Supervisors, by numbers and positions, with salaries of each. None

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings. None

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings. None

(*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. See exhibit C ---------- $2000

(*f*) Cost of rental for equipment which the operator proposes to rent. None

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work. $3220

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each. $1200

(*i*) Cost of power, water, utilities, and any other items not provided for above. None Total $10940

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 sheet.

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.

---------- By ----------
(Name of company) (Signature of authorized official)

---------- ----------
(Date) (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

EXHIBIT A

The project is comprised of two steps. Step one consists of 625 hours of bulldozing surface trenches to seek alteration zones or mineralized areas anywhere within two areas already approved by the government and outlined on attached map.

Step two will depend upon discovery in step one of an area or areas deemed favorable by the government for further exploration. It consists of drilling a maximum of 1200 feet of EX diamond drill hole to investigate any favorable showings disclosed by step one. Approximate location, direction and length of the drill holes are to be approved by the government.

Time schedule is as follows:

1st quarter - Complete step one, consisting of 650 hours of bulldozer trenching in blocks one and two shown on attached map.

2nd quarter - Diamond drill 900 feet of Ex-drill holes.

Seventh month - Diamond drill 300 feet of Ex-drill hole, completing project.

Note: Because of possibly severe winter conditions, up to five months time may be lost, thus necessitating twelve months total time allowance.

Estimated costs for the project follow:

Step one

Use, maintenance and repair, D4 bulldozer, 625 hours @ $4.00 /hour.	$2,500.00
Bulldozer operator, $2.00 per hour, 625 hours.	1,250.00
Fuel for bulldozer, assaying, supplies, etc.	700.00
Total cost of step one	$4,450.00

Step two

Purchase of diamond drill and accessories	2,000.00
Use, maintenance and repair, air compressor, $180.00 per month, 4 months.	720.00*
Driller and helper	3,270.00
Supplies, assaying, etc.	500.00
Total cost of step two	$6,490.00

* Charge for use only of applicant owned compressor may be allowed at a monthly rate of not over 1/60 of its replacement cost; maintenance and repair, as actually spent.

Additional Facilities, Buildings and Fixtures	Not applicable
Operating Equipment to be rented	Not applicable
Rehabilitation and Repairs	Not applicable

W. F. Hunnigan

DMA - 1640
E - 207

Operating Equipment to be purchased

One CP-55 or similar sized diamond drill	$1,200.00
Rods, core barrel, bits, pump, etc.	800.00

Operating Equipment to be supplied by Owner

One D-4 bulldozer, (including maintenance and repairs), $4.00 per hour.
One air compressor (including maintenance and repairs), $180.00 per month.

Monthly charge for applicant owned compressor not to exceed 1/60 of its replacement cost; maintenance and repairs, as actually spent.

Labor (includes supervision)

1 Bulldozer operator, $2.00 per hour.
1 Diamond drill operator, $2.50 per hour.
1 Diamond drill helper, $1.50 per hour.

Fo[redacted]
(Ap[redacted])

U. [redacted] DEPARTMENT OF THE INTERI[redacted]

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. dma 1640X

Date received 6-6-51

Participation

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
MAY 31 1951
SAN FRANCISCO, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 - 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Walter F. Dunniga n
Red Rock Quicksilver Mine
Dyer, Nevada

Date May 29 1951

FILL IN THIS BLOCK

Date of application May 29 1951

Estimated cost $11 200

Mineral or metal Mercury

Percentage of Government participation 75%

Location of mine Esmeralda County
Nevada

Date of filing MF-100 May 29 1951

DMA Docket Number, if available

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

*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.

*5. Are you the owner or the lessee of the property? owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

7. If lessee, attach a copy of the lease and state if it is in good standing.

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.

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)? Equipment valued at more that requested

*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 MF 100

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. MF 100

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. Red Rock Quicksilver Mine

*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 MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. see 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. see MF-100

15. State in detail how the ore could be shipped and how and where milled. Mill on property

*16. History: see MF-100

(*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: Not in production

(*a*) If mine is in production, furnish the following information:

	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.) None

(*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.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

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.

THE REQUIREMENTS AND COSTS

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.

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.

(No company)
(Name of company)

By W. F. Hunnegan
(Signature of authorized official)

May 29, 1951
(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

Form MF- 103
No. 21

Stripping overburden with bulldozer to uncover any new ore bodied. Should be thru this faze within a year.

NO. 22
Float and outcroppings indicate ore continuation of work done on adjoining claim.
No maps available expect those put out with Geology and Mining Series No.41 published by the University of Nevada.

NO. 23
Approximate cost of one years Development work.

A.	Miner	$4 000
	Dozer operator	4 000
B.	None	
C.	Estimated	500
D.	None	
E.	None	
F.	None	
G.	Bulldozer	2 000
H.	Estimated	700
I.	None	
		11 200

Form MF-103
No. 24

It is absolutely impossible for anyone to make a work schedule for this kind of work. In the development of new ground with a bulldozer work has to progress according to what shows up in the ground and as far we do not know anyone who can see under the surface of dirt and rocks.

Our intentions are only to ask the Government for a few Thousand dollars to open up some new ground next to the old workings.

In our case I can see no reason to answer such a lot of unnecessary questions that do not even pertain to what we are trying to do.
Isn't this money alloted to help the so-called small miner and prospector?

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Postmarked May 31-1951
JUN 6 - 1951
LANDON F. STROBEL
Executive Secretary

Form [illegible]4 (Rev.)
([illegible]52)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires [illegible]

OPERATOR'S MONTHLY REPORT AND VOUCHER

MAY 18 1954

Month of October, 195 3 Docket No. DMEA 1649 x Contract No. B 207
Operator's Name W.F. Dunnigan Minerals Mercury
Address Ish Lake Valley, Tonopah, Nevada
Contract Amount, $ [illegible] Government Participation: 75 % Amount, $ 6693.75

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	433.00	3427.60	3860.60			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	92.70	482.20	574.90			
Pipe						
Track						
Gasoline & Oil	21.91	620.57	642.48			
Drill Steel		183.48	183.48			
Firestone		21.00	21.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	95.00	815.00	910.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	10.26	967.43	977.69			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Transportation	21.28	204.05	225.33			
Welder rent & Supp.	5.00	49.30	54.30			
Blacksmith coal		3.00	3.00			
(8) Contingencies (specify):						
TOTALS	679.15	6779.53	7458.68			

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

Date 11/7/53 *Payee W.F. Dunnigan

Per _____ Title _____

*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:

$509.36

Signature _____
(Authorized Certifying Officer)

Date MAY 11 1954 Vou. No. SF-DMEA-44

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E207 in accordance with the terms of the contract.

Signature R. C. Johnson Title Chief, Mining Div. Region III Date Nov. 12, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date November 16, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form [illegible] 04A
(April 1952)

Budget Bureau No. [illegible]
Approval exp[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 195 53 Docket No. DMEA 1040 x Contract No. [illegible]
Operator's Name W. F. Dunigan Minerals Mercury
Address Fish Lake Valley, Tonopah, Nevada.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping	Ft.			2401.88	12980			
Trenching	Ft.	679.15	260	5060.80	760			
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				7462.68				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 11/7/63 Operator W. F. Dunigan

Per Title

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

DMEA Docket 1640 x
Contract No. E 207
October Narrative:

Continued with work reported last month. Made the original cut 4 feet deeper then branched off to the north and south to expose the ore veim. This new cut is about 60 feet long, 10 feet wide and 4 feet deep. The ore show from 4 inches to a foot wide about 7 feet long. As it is dipping into the hill it should be mined by a shaft. This is a very promising showing of high grade ore.

The latter part of the month I moved the equipment back to the number 1 location on Block No. 2 as that had not been open up as far as it should have been. This cut is 60 feet long, 8 ft. wide and 4 ft. deep. There was a showing of ore on top of the location so started to follow it and found that it is very weak and both the ore bearing rock and the talc pitches out of the hill so considered further work here useless.

Signed:

P. J. Dunnigan

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

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

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

ACCOUNTS OCT 21 1953
RECEIVED OCT 30 1953

Month of September, 1953 Docket No. DMEA 1640 x Contract No. S 207
Operator's Name W.F. Dunnigan Minerals Mercury
Address Fish Lake Valley, Tonopah, Nevada
Contract Amount, $ 8925.00 Government Participation: 75 % Amount, $ 6693.75

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	381.00	3046.60	3427.60			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	76.60	406.60	482.80			
Pipe						
Track						
Gasoline & Oil		626.67	626.67			
Drill Steel	54.52	128.96	183.48			
Prestone	21.00		21.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	96.00	720.00	816.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	300.22	667.21	967.43			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Transportation	56.42	147.63	204.05			
Welder Kept & Supp.	5.00	44.30	49.30			
Bike. Coal		3.00	3.00			
(8) Contingencies (specify):						
TOTALS	988.76	5790.77	6779.53			

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

Date October 6, 1953 *Payee W. F. Dunnigan

Per Title Owner

*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:

$ 741.57

Lloyd H. Sjolander
Authorized Certifying Officer

Signature
(Authorized Certifying Officer)

Date OCT 23 1953 Vou. No. SE-DMEA-22

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E207 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Region III Date Oct. 14, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer ~~DMEA Field Team~~ Region III Date October 20, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

ACCOUNTS OCT 28 1953 U.S. DEPARTMENT OF THE INTERIOR Defense Minerals Administration RECEIVED OCT 30 1953

Month of September 1953 Docket No. DMEA 1640-x Contract No. 1207
Operator's Name W. F. Dunnigan Minerals Mercury
Address Fish Lake Valley, Tonopah, Nevada.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping	Feet			2401.68	12990			
Trenching	Feet	385.76	140	4377.05	626			
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				$779.53				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date Oct. 6, 1953 Operator W. F. Dunnigan

Per _____ Title Owner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Docket No. [redacted]MA 1040 x Contract No. S 207[redacted] September 1933

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
OCT 30 1933

Narrative:

Total measurements of the cut so far are 140 ft. long with an average depth of 6 feet. Width in the bottom is 9 to 15 feet. All this work has been done in a limestone formation that is badly broken and consequently hard to drill. At this depth there is some very high grade ore showing up and seems to be dipping into the hill. But more work will have to be done to be sure of it opening up. I am continuing the work on this cut on into October.

Signed:

W. F. Hunnigan

Form MP 404 (Rev.)
(April 1952)

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

700

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR ACCOUNTS SEP 17 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED SEP 25 1953

Month of August, 1953 Docket No. DMEA 1640 x Contract No. [illegible] 207
Operator's Name W. F. Dunnigan Minerals Corporation
Address High Lake Valley, Tonopah, Nevada
Contract Amount, $ 8 926 Government Participation: 75 % Amount, $ 6 695.78

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	632.00	2414.60	3046.60			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		603.00	400.00			
Pipe						
Track						
Gasoline & Oil	14.29	612.29	626.57			
Drill Steel	53.16	70.60	123.76			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	95.00	625.00	720.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	15.74	653.47	657.21			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Transportation	13.44	134.19	147.63			
Motor rent & Supp.		44.30	44.30			
Blacksmith coal		3.00	3.00			
(8) Contingencies (specify):						
TOTALS	[illegible]	5134.15	5700.77			

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

Date 9/5/53 *Payee W. F. Dunnigan

Per _____ Title Owner

*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:

$ 469 96

Signature _____ Authorized Certifying Officer
(Authorized Certifying Officer)

Date SEP 21 1953 Vou. No. SF-DMEA-17

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature [illegible] Title [illegible] Date Sept. 16, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer DMEA Field Team Region III Date September 16, 1953

S. Micker for D. C. Miller

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS SEP 17 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1953 Docket No. DMEA 1[illegible] x Contract No. [illegible]
Operator's Name W. Cunnigan Minerals Mercury
Address Fish Lake Valley, Tonopah, Nevada

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping	[illegible]			24[illegible]	12[illegible]			
Trenching	[illegible]	[illegible]	93	3[illegible]	3[illegible]			
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				6790.77				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 9/8/53 Operator W. F. Cunnigan

Per Title Owner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

I[redacted]10f (Rev.)
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1953 Docket No. DMEA 1640 x Contract No. E 207
Operator's Name W.P. Dunnigan Minerals Mercury
Address Fish Lake Valley, Tonopah, Nevada
Contract Amount, $ 8 925.00 Government Participation: 75 % Amount, $ 6 693.75

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	322.00	2292.50	2614.50			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	153.90	252.70	406.60			
Pipe						
Track						
Gasoline & Oil	227.76	384.53	612.29			
Drill Steel	35.00	35.80	70.80			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	95.00	530.00	625.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		653.47	653.47			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Transportation	24.08	110.11	134.19			
Welder Rent & Supp.	5.00	39.30	44.30			
Coal		3.00	3.00			
(8) Contingencies (specify):						
TOTALS	862.74	4301.41	5164.15			

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

Date 8/6/53 *Payee W.P. Dunnigan

Per _____ Title Owner

*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:

$ 647.05

Signature _____ (Authorized Certifying Officer)

Date AUG 24 1953 Vou. No. SF-DMEA-7

(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. Ikm-2207 in accordance with the terms of the contract.

Signature R. C. Johnson Title Chief, Mining Div. Region III Date August 14, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date August 18, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 195 3 Docket No. DMEA 1040 x Contract No. [illegible] 207
Operator's Name [illegible] Dunnigan Minerals Mercury
Address [illegible] Lake Valley, Tonopah, Nevada

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping	Yd.			2401.00	12990			
Trenching	Yd.	802.74	90	2767.27	296			
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				5168.15				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date 8/8/53 Operator W. F. Dunnigan

Per Title Owner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

[illegible]

[illegible]

[illegible] for [illegible] was done in the same cut as expected to [illegible] month. The entire cut was made 8 ft. deeper. This was done to get below a large body of talc as there were several places on the edge of the talc that showed good [illegible] of [illegible].

After going to [illegible] in depth the [illegible] became weaker altho the formation of crushed lime and talc are favorable for an ore zone. At the end of the month I moved the equipment to the location on top that I had to leave earlier this spring due to the strong winds.

Signed

____

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

Budget Bureau No. [illegible] Approval expires 6-30-53.

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

ACCOUNTS JUL 14 1953

Month of June, 1953 Docket No. DMEA 1640 x Contract No. B 207

Operator's Name W.F. Dunnigan Minerals Mercury

Address Fish Lake Valley, Tonopah, Nevada

Contract Amount, $ 8 925.00 Government Participation: 75 % Amount $ 6 693.75

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	391.00	1901.50	2292.50			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		252.70	252.70			
Pipe						
Track						
Gasoline & Oil	15.25	369.28	384.53			
Drill steel	1.00	34.80	35.80			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	95.[illegible]1	435.00	530.0[illegible]	95.00	435.00	530.00
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	219.24	460.24	679.48	193.23	460.24	653.47
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Transportation	46.78	64.33	110.11			
Welder rent & suppl.	36.30	3.00	39.30			
Bits, coal		3.00	3.00			
(8) Contingencies (specify):						
Totals	718.5[illegible]	3613.85	4327.43	687.56	3613.85	4301.47

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

Date July 7, 1953 *Payee W.F. Dunnigan

Per _____ Title _____

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

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

(Instructions on reverse)

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

$ 515.67

Lloyd H. Sjolander
Authorized Certifying Officer

Signature _____ (Authorized Certifying Officer)

Date AUG 3 1953 Vou. No. SF-DMEA-4

(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 H. C. Miller Title Executive Officer DMEA Field Team Region III Date July 13, 1953

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

FORM DMF-104A
(April 1952)

Budget Bureau No. 42-R1161
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ACCOUNTS JUL 14 1953
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

OPERATOR'S UNIT COST AND PROGRESS REPORT

AUG 10 1953

Month of June 1953 Docket No. DMEA 1040 x Contract No. 207
Operator's Name W. F. Dunnigan Minerals Mercury
Address Fish Lake Valley, Tonopah Nevada

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping	Docs			2201.00	12300			
Trenching	"	713.68	116	1326.43	236			
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		713.68		4327.43				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date July 7, 1953 Operator W. F. Dunnigan

Per _____ Title _____

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

NARRATIVE: Contract [illegible] 207 June 195[illegible]

Started work on location in Southwest corner of Block No. 2, which is on the very top of the ridge. Due to strong winds it became impossible to do any work until after the season changes. After making an open cut 50 ft. long, 9 ft. wide and 6 ft. deep I moved to a more sheltered location. In this top cut the formation is crushed lime and I found quite a lot of rich pieces of float.

In the location below I have to date a cut 60 ft. long, 7 ft., wide, 12 ft. deep at the face and 4 ft. deep at the entrance. This formation shows a crushed limestone ledge on the foot wal and talc on the hanging wall. The limestone has a small showing of cinnabar when panned.

W. F. Gunnigan

[illegible] of the [illegible]
Bureau Mineral Administration
RECEIVED
AUG 10 1953

Form MF-164 (Rev.)
(April 1952)

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

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

ACCOUNTS
12 1953

Month of May, 1953 Docket No. DMEA 1040 Contract No. 207
Operator's Name W. F. Dunnigan Minerals Mercury
Address Tyee, Nevada
Contract Amount, $ 3525.00 Government Participation: 75% Amount, $ 2643.75

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	250.00	1700.00	1951.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	110.00	148.70	258.70			
Pipe						
Track						
Oil & Gasoline	21.30	347.99	369.29			
Drill Steel	34.00		34.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	47.50	337.50	385.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	20.00	430.00	450.00			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Transportation	24.00	40.25	64.25			
Rent for water		3.00	3.00			
Blacksmith coal		2.00	2.00			
(8) Contingencies (specify):						
Totals	506.62	3207.38	3713.00			

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

Date June 6, 1953 *Payee W. F. Dunnigan

Per _____ Title _____

*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:

$ 379.89

Lloyd M. Sjolander
Authorized Certifying Officer

Signature _____
(Authorized Certifying Officer)

Date JUN 16 1953 Vou. No. SF-DM Ca-45

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

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

Signature A. C. Johnson Title [illegible] Date [illegible]

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Date June 12, 1953

H. C. Miller Region III

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ACCOUNTS JUN 12 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 195 3 Docket No. DMEA 1640 x Contract No. [illegible] 237

Operator's Name [illegible] Dunnigan Minerals Mercury

Address Dyer, Nevada

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				2401.00	12000			
Trenching	Co.	330.60	40	1211.97				
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		330.60		3613.95				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date June 6, 1953 Operator W. F. Dunnigan

Per _____ Title _____

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

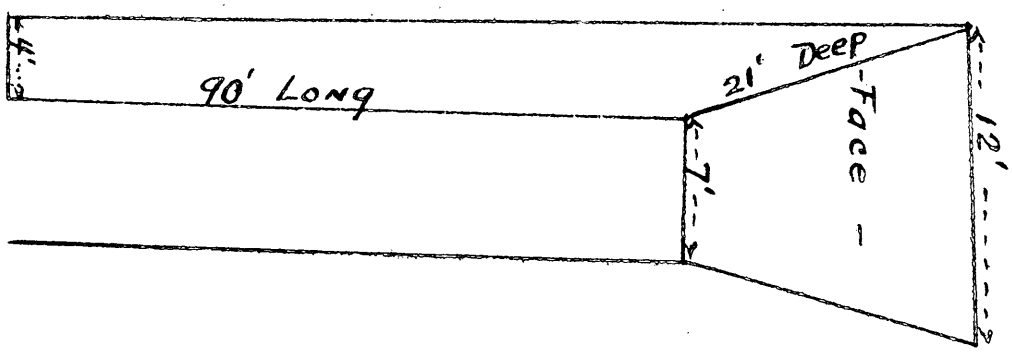
U. S. GOVERNMENT PRINTING OFFICE 205676

Docket No. DVEA 1640x
Contract No. E 207

NARRATIVE:

Work on cut on Block No. 2 has been completed and have moved all equipment to new location on Blaok No. 1. Said new location being marked with an X on Sketch Map on the south part of Block. New work to start June 1st.

The cut just completed (diagram below) show ledge carrying ore values came to an end in a wedge shape.



Form MF-104 (Rev. 4)
(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

ACCOUNTS MAY 14 1953

Month of April, 1953 Docket No. DMEA 1060 Contract No. D-207
Operator's Name W. F. Dunnigan Minerals Mercury
Address Fish Lake Valley, Tonopah, Nevada
Contract Amount, $ 9,925.00 Government Participation: 75 % Amount, $ 6,693.75

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	79.00	1070.00	1382.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		142.70	142.70			
Pipe						
Track						
Gasoline & Lub.	34.23	313.63	347.93			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	5.00	382.50	537.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	11.53	410.87	430.40			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Transportation	10.64	29.01	40.25			
Cost of welder	5.00		5.00			
Bits, coal		5.00	5.00			
(8) Contingencies (specify):						
TOTALS	145.00	2361.67	3307.58			

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

Date May 11-53 *Payee W. F. Dunnigan

Per _____ Title _____

*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:

$ 105.35

Lloyd H. Spencer
Authorized Certifying Officer

Signature _____
(Authorized Certifying Officer)

Date JUN 1 1953 Vou. No. SF-DMEA-35

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. [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 May 13, 1953

H. C. Miller

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ACCOUNTS MAY 14 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1953 Docket No. DMEA 1640 Contract No. [illegible]
Operator's Name W.F. Dunnigan Minerals Mercury
Address Fish Lake Valley, Tonopah, Nevada.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping				2401.88	12990	.185		
Trenching drilling	Ft.	140.46		705.45	50			
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		140.46		3107.33				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date May 11-53 Operator W. F. Dunnigan

Per ..... Title Owner

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:
Due to bad weather and illness no doing was done. Last week of Month devoted to drilling.

(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

Contract No. E 207

Narrative:

Due to bad weather and being sick with the flu there was no dozing done. The last week of the month I was able to drill and blast to some extent. Consequently there is no new footage to report. We hope for better working conditions in May.

Signed: W. F. Cunnigan

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Budget Bureau No. [illegible]
Approval expires 6-30-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
ACCOUNTS APR 23 1953
MAY 4 1953

Month of March, 1953 Docket No. DMEA 1040 x Contract No. B 207
Operator's Name [illegible] Cunnigan Minerals Mercury
Address Fish Lake Valley, Tonopah, Nevada
Contract Amount, $8 925.00 Government Participation: 75 % Amount, $6 693.75

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	260.50	1412.00	1672.50			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives	142.70	--	142.70			
Pipe						
Track						
Diesel oil & Gas.	60.85	252.24	313.09			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	47.50	335.00	382.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	14.83	404.04	418.87			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Transport tion	29.61	--	29.61			
Blacksmith coal	3.00	--	3.00			
(8) Contingencies (specify):						
Totals	558.99	2401.28	2960.27			

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

Date Apr. 10 *Payee W. J. Cunnigan

Per _____ Title Owner

*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:

$ 423.74

Lloyd H. Sjolander
Authorized Certifying Officer

Signature _____
(Authorized Certifying Officer)

Date APR [illegible] Vou. No. SF-DMEA-4

(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 April 20, 1953.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer DMEA Field Team Region III Date April 22, 1953

H. C. Miller

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
ACCOUNTS Defense Minerals Administration
RECEIVED
MAY 4 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1953 Docket No. DMEA 1640 x Contract No. E 207
Operator's Name W.F. Dunnigan Minerals Mercury
Address Fish Lake Valley, Tonopah, Nevada.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping	Feet			2401.88	12990			
Trenching	Feet	564.99	50	564.99	50			
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		564.99		2966.87				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS								

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

Date April 10 Operator

Per Title Owner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

NARRATIVE:

Total amount of work done this month was a cut the following demensions: 50 ft. long, 8 ft. wide at the bottom, 12 ft. wide at the top. Depth at front is about 4 feet and face about 18 feet.

This work was done with the bull dozer after drilling, using both the blade and hoe attachment. Most of the formation is a limestone ledge and was very hard. A timkin bit would drill only about to the depth of 6 inches. There is a trace of cinnabar showing in this formation but at the present the values are not great enough for milling ore.

SIGNED: _____

Contract No. E 207

DMA Docket No. 1540
Idm E 207
Mercury

The following is declared to be a true statemnt of accounts on March report.

TRANSPORTATION of Supplies:

423 Miles @ 7¢ per mile	$ 29.61

LABOR:

Bulldozer	62 hrs.	@ $2.00	124.00
Drilling	78 "	@ 1.75	136.50
			$260.50

Miscell

Maintenance Labor	8 hrs.	@ $1.50	$ 12.00

DEPRECIATION:

Approx. time for each peice of equipment:

Bulldozer	$33.34
Hoe	3.33
Compressor	8.33
Jackhammer	2.50
	47.50

SIGNED:

_____

Form M[illegible] (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 17 1952

Month of August, 195 2 Docket No. DMEA 1640x Contract No. 207
Operator's Name W. F. Dunnigan Minerals Mercury
Address Dyer, Nevada
Contract Amount, $ 8925.00 Government Participation: 75 % Amount, $ 6693.75

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	210.00	1206.00	1416.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Fuel & Lub. oil for dozer	34.55	282.29	246.84			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation 1 mo.	33.50	301.60	335.00			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	44.67	359.37	404.04			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	312.72	2089.16	2401.88			

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

Date Sept. 9 1952 *Payee

Per W. F. Dunnigan Title Owner

*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:

$ 234 54

Signature A. I. BENNER
(Authorized Certifying Officer)

Date OCT 1 [illegible] 1952 Vou. No. SF-DMEA-19

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-1207 in accordance with the terms of the contract.

Signature A. C. Johnson Title Chief, Mining Div. Region III Date September 12, 1952.

A. C. Johnson

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer Region III Date Sept. 12, 1952

H. C. Miller

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MI[illegible]A
(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 1952 Docket No. DMEA 1640x Contract No. 207
Operator's Name W.F. Dunnigan Minerals Mercury
Address Dyer, Nevada.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping	Feet	312.72	660	2401.88	12990	.185		
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		312.72		2401.88				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS								

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

Date Sept. 9, 1952 Operator W. F. Dunnigan

Per _____ Title Owner

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

C O P Y

Contract No. 207 Mercury

Narrative:

The work done in the first part of August was of the same general nature of all previous work. The stripping of the overburden was done in block No. 1 and completed the first stage of the contract.

/s/ W. F. Dunnigan

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA 1640x Contract No. 207
Operator's Name W.F. Dunnigan Minerals Mercury
Address Dyer, Nevada
Contract Amount, $ 8925.00 Government Participation: 75 % Amount, $ 6693.75

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	444.00	762.00	1206.00			
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
Fuel & Lub. for dozer	---	222.29	222.29			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation	67.00	234.50	301.50			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	206.42	152.95	359.37			
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	717.42	1371.74	2089.16			

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

Date 8-4-52 *Payee W.F. Dunnigan

Per _____ Title _____

Defense Minerals Exploration Administration
RECEIVED
AUG 5 1952

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person signing 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:

$ 538.06

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

Date AUG 18 1952 Vou. No. SF-Omca-7

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-207 in accordance with the terms of the contract.

Signature R. E. Johnson Title Chief, Mining Div. Region III Date August 13, 1952.

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature H. C. Miller Title Executive Officer DMEA Field Team Region III Date Aug. 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 July 195 3 Docket No. DMEA 1640x Contract No. 207
Operator's Name W.F. Dunnigan Minerals Mercury
Address Dyer, Nevada.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping	Feet	717.42	3640	2089.16	12330	.169		
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		717.42	3640	2089.16				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc								
TOTAL COSTS								

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

Date 8-6-52 Operator W.F. Dunnigan

Per Title

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

COPY

NARRATIVE:

DMEA Docket 1640 x
Contract No. 207 Mercury

All work done in July was done in Block No. 1. Overburden is being removed in the same manner as was done in Block No. 2

Signed:
s/ W. F. Dunnigan

SF-DMCA-7

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.
8-18-52

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 207

Name of Operator W.F. Dunnigan
Docket No. DMA 1640x
Total Contract Amount $ 8925.00
Government Participation: 75 % Amount, $ 6693.75
Distribution of Expenditures for Month of June 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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

Red Rock Quicksilver Mines — By W. F. Dunnigan
(Name of Company) (Signature of Authorized Official)

Defense Minerals Administration
Received
AUG 25 1952

July 8, 1952 — Owner
(Date) (Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]	67.00	167.50	234.50			
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	236.00	526.00	762.00			
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts	86.04	66.91	152.95			
(d) Other	105.42	116.87	222.29			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total	494.46	877.28	1371.74			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	494.46	877.28	1371.74			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by PR
Entered by
Approved by A. C. Johnson
Amount approved for payment $ 370.85
Remarks

AUG 18 1952

Lloyd L. Norvell
Authorized Certifying Officer

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF June

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden	236.00	67.00	86.04	105.42	494.46	feet	2840	5850	8690	
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

C O P Y

NARRATIVE: June 1952 Docket: 16,0x
Idn E-207

This months work was a continuation of the same type of work done in previous months. The footage was a little less due to deeper overburden and the fact the the ground is now almost completely dry and much harder to break up. This month completes the work to be done by bulldozer on the section designated as Block No. 2.

This block is now ready for the engineers inspection to determine the feasibility of core drilling.

Signed:

s/ W. F. Dunnigan

SF-DMEA-28

(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. 237
Idm-E

Name of Operator T.F. Dunnigan
Docket No. DMA 1640 X
Total Contract Amount $ 8925.00
Government Participation: 75 % Amount, $ 6693.75
Distribution of Expenditures for Month of May 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 23 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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

Red Rock Quicksilver Mine
(Name of Company)

By T.F. Dunnigan
(Signature of Authorized Official)

June 2, 1952
(Date)

Owner
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]	67.00	100.50	167.50			
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	244.00	282.00	526.00			
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts	45.20	21.71	66.91			
(d) Other	35.86	81.01	116.87			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total	392.06	485.22	877.28			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	392.06	485.22	877.28			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by L.N.
Entered by
Approved by A. C. Johnson
Amount approved for payment $294.05
Remarks

JUN 13 1952

Lloyd L. Norvell
Authorized Certifying Officer

16—64068-3

MF-104

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF [illegible]

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress[4]				
	Wages[1] and salaries	Equipment[2]	Supplies	Other[3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden	244.00	67.00	35.86	45.20	392.06	feet	3500	3350	6850	
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	244.00	67.00	35.86	45.20	392.06		3500	[illegible]	6850	

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

A. C. Johnson, Chief, Mining Div., Reg. III June 10, 1952

S. M. Sheahan, Mining Engineer, Bureau of Mines, Reg. III

Contract Idm-8207, Red Rock Quicksilver Mine, Esmeralda Co., Nev.
(Second Inspection Report)

The property was inspected on June 6th and 7th, 1952. The engineer was accompanied by Mr. Dunnigan.

A. Exploration: (Stage 1)

The operator is conducting a stripping operation on Block 2. To date 5,850 feet of narrow trench has been stripped with a D-4 bulldozer.

B. Building and fixtures (not applicable).

A spring near the camp is now flowing water and should supply plenty of water for diamond drilling if warranted on (second stage).

C. Operating Equipment:

The D-4 bulldozer has been about the only equipment used other than hand tools. The operator has made most of the repairs needed.

D. Labor and supervision:

Mr. Dunnigan and wife have done practically all of the work.

E. Rehabilitation and repairs:

The only repairs necessary have been done on the wearing parts of the D-4 bulldozer.

F. General performance:

The exploration is being carried on in a workman like manner. A total of 5,850 feet of trenching has been done with a total cost of $877.28 or $667.96 to the Government. The average cost per foot of trench for the Governments share is 11¼ cents per foot. The operator plans to continue stripping overburden on Block 2 for the next two weeks. No stripping of overburden has been done on Block 1.

G. & H. Geologic and ore data:

No ore has been found to date. The operator has discovered cinnabar at several spots on Block 2. At discovery #2 on this Block, a specimen sample on a two inch streak appeared to contain at least 5% Hg and the area should merit core drilling.

The operator has carefully examined and panned the trenched outcrops for cinnabar.

Other work in district - not on the property.

Operators at adjoining properties have cut several miles of trenches with bulldozers and more trenching is apparently planned and being conducted.

Benjamin H. Sheahan

Benjamin H. Sheahan

DMEA-SF-28

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. 207
Idm-E

Name of Operator W. F. Dunnigan
Docket No. DMA 1640 X
Total Contract Amount $ 8926.00
Government Participation: 75 % Amount $ 6693.75
Distribution of Expenditures for Month of April 1952. (started on 16th)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FILED
JUN 23 1952

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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

Red Rock Quicksilver Mine
(Name of Company)

By W. F. Dunnigan
(Signature of Authorized Official)

May 1, 1952
(Date)

Owner
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	33.50	67.00	100.50			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

Depr. ✓ no.

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor [3]	142.00	140.00	282.00			
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives	1.82	19.89	21.71			
(c) Repair Parts	17.05	63.96	81.01			
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total	194.37	290.85	485.22			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	194.37	290.85	485.22			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by L.L.N.
Entered by
Approved by A. C. Johnson
Amount approved for payment $145.98
Remarks

Lloyd L. Norvell
Authorized Certifying Officer

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden	[illegible]	[illegible]	20.67		194.37	feet	1000	1350	2350	
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

A. C. Johnson, Chief, Mining Division, Reg. III April 24, 1952

Benjamin M. Sheahan, Mining Engineer, Bureau of Mines, Reg. III

First inspection report - Contract Idm-[illegible]
Red Rock Quicksilver Mine, Esmeralda Co., Nev.

A. Exploration - Stage I

Mr. Walter F. Dunnigan commenced work on the exploration of block 2 on Dec. 5, 1951. By Dec. 24, 1951 he had bulldozed approximately 1,200 feet of trench, although during this period he was only able to work nine days because of weather conditions.

The bulldozing operation had to be suspended until April 16, 1952 when weather conditions were favorable. An additional 200 feet of trenching was completed by April 21, 1952.

Mr. Dunnigan estimates that he will be able to complete the trenching on block 2 in thirty days. Three locations along the trenching show cinnabar mineralization along the center of block 2. These showings may merit drilling as planned by stage 2 of the contract.

Some hard ribs of rock will require blasting to gain access to trench in some locations within both blocks to be explored by the contract.

B. Buildings and Fixtures

This item is not applicable in the contract, however, living accommodations suitable for ten workmen are available on the property. Mr. Dunnigan reported that a spring near his property was nearly dry but expected it to be a source of water later in the year.

C. Operating Equipment:

1. Equipment to be rented: Not applicable.
2. Equipment to be purchased:
   1 CP-55 or equivalent sized diamond drill with accessories.
3. Equipment now being used and furnished by Mr. Dunnigan:
   1 D4 dozer
   1 Welding outfit
   Hand tools

D. Labor and Supervision

To date Mr. Walter F. Dunnigan and wife have done all of the work. The operation is being done with maximum efficiency and with minimum expense. The operator is carefully observing the results of the trenching operation and pans any material likely to contain cinnabar.

The addition of one man to the operating crew is contemplated by the operator to assist in drilling and blasting on stage I and to assist in the core drilling on Stage II.

E. Rehabilitation and repairs

To date the only repairs necessary have been to the blade and wearing parts on the dozer.

F. General Performance

The exploration is being carried on in a workmanlike manner. The operator has not asked for an extension of contract time. Such an extension should be justified due to weather conditions. It was recommended that diamond drilling with AX hole instead of EX hole be carefully considered.

G. Geologic data

Upon the completion of stage I, which includes trenching on Blocks 1 and Block 2, the explored area should be mapped. This work could best be done by Bureau of Mines and Survey personnel with the operator contributing information which he has obtained. Panning for cinnabar is more practical than sampling and assaying at this time.

H. Ore data

No ore has been found to date. The operator is keenly observing the trenches, and panning. He has discovered some cinnabar mineralization at three locations on Block 2, which may merit core drilling.

Benjamin H. Sheahan

Benjamin H. Sheahan.

SF-DMEA-17

MF-104
(August 1950)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.
2-11-52

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.

FEB 26 3 51 AM '52

Contract No.
Idm-E 207

Name of Operator W.F. Dunnigan, Red Rock Quicksilver Mine
Docket No. DMA 1640 X
Total Contract Amount $ 8,925.00
Government Participation: 75 % Amount, $ 6,693.75
Distribution of Expenditures for Month of December 1951

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts may be made from time to time.

CERTIFICATION

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

Red Rock Quicksilver Mine
(Name of Company)

By W. F. Dunnigan
(Signature of Authorized Official)

January 8, 1952
(Date)

Owner
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
(b) Rented[2]	67.00		67.00			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

Narrative of Progress Made:

Overburden removed for a distance of about 1200 feet at a width of about 8 feet on the upper section of Block 2. This was done to expose the formation of ledges. Dropped below this work about 150 feet and stripped off a section about 150 feet long and 10 feet wide to an average depth of about 4 feet as this ledge showed a panning of cinnabar. Work on this will be resumed after the ground has thawed out.

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	140.00		140.00			
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts	19.89		19.89			
(d) Other	63.96		63.96			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total	290.85		290.85			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	290.85		290.85			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

Note.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by fh
Entered by
Approved by A. C. Johnson
Amount approved for payment $218.14
Remarks

FEB 11 1952

Lloyd L. North
Authorized Certifying Officer

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF DECEMBER 1951

(Supply Data Below Applicable Only to Your Operations)

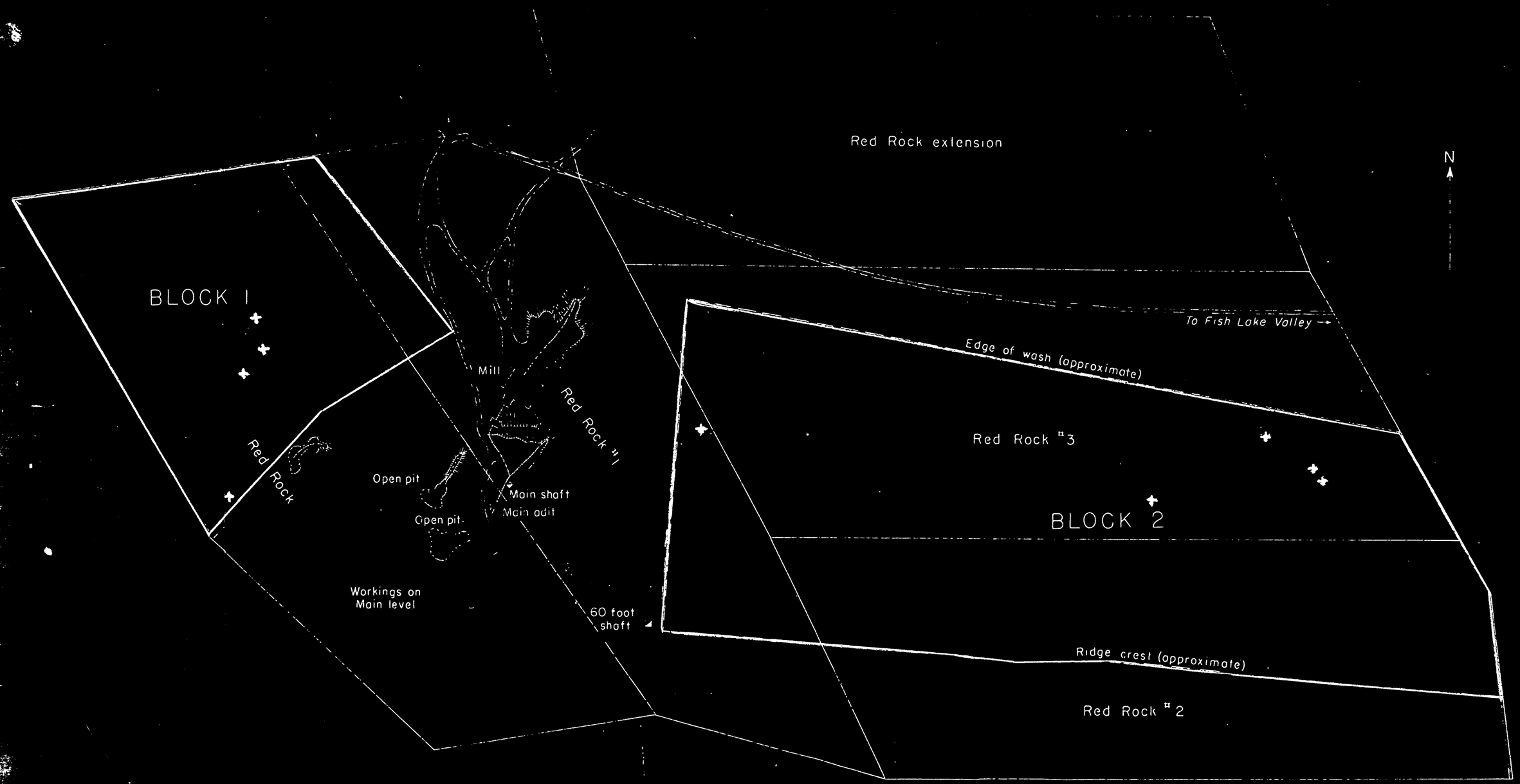
Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden	140.00	67.00	83.85		290.85	Feet	1350			
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	140.00	67.00	83.85		290.85					

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMA 1640X
(MERCURY)



Claim corners are only approximately located

+ Approximate location cinnabar exposed by Stage I

Base from map owned by W. F. Dunnigan

SKETCH MAP OF RED ROCK CLAIMS, ESMERALDA COUNTY, NEVADA
SHOWING LOCATION OF AREAS TO BE EXPLORED

Exhibit B

0 200 400 600 Feet

DMA-1640X
Dunnigan
(contd)

A. C. Johnson, Chief, Mining Div., Reg. III Jan. 26, 1952

Benjamin H. Sheahan, Mining Engineer, Bureau of Mines, Reg. III

Docket DMA-1640X - Contract Idm-2207, Red Rock Quicksilver Mine,
Esmeralda County, Nev.

Mr. W. F. Dunnigan was interviewed at the Arlemont Ranch, Fish Lake Valley, on January 24, 1952.

Deep snow from recent storms prevent him from reaching the property. He anticipates working on the lower block of his exploration on about April 1, 1952 and on the upper block some time later.

Benjamin H. Sheahan

Benjamin H. Sheahan

DOCKET FILE

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

Project Summary Report

By: Michael Ching May 19, 1954

1. Docket No. DMEA-1640 (Mercury)
Contract No. Idm-E207
Property - Red Rock Quicksilver Mine,
Fish Lake Valley Mining District,
Esmeralda County, Nevada

Operator - Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Operator's property rights - Owner of 4 unpatented claims:
Red Rock and Red Rock Nos. 1, 2 and 3

2. Prior contract dated November 9, 1951
Amended contract dated November 12, 1952

Work authorized -

Work authorized prior to October 27, 1952, under the Prior Contract and applicable to Stage I only:

Trenching by bulldozer to expose zonesof mineralization in the bed rock on two blocks of ground adjoining the Red Rock Quicksilver mine. The number, location and size of the trenches to be mutually agreeable to the Operator and Government representatives.

Total estimated cost:

Under Prior Contract (Superseded by Amended Contract)	$3,089.00
Under Amended Contract	$2,525.00

Work authorized after October 27, 1952 under the Amended Contract and applicable to Stage II only:

Deep trenching by bulldozing, drilling, and blasting to explore mineralized exposures resulting from work of Stage I. Direction and extent of this work subject to approval of Government representatives. Total estimated cost, $6,400.00.

Total estimated cost of project	$8,925.00
Government's share at 75 percent	$6,693.75

Amendments -

Amendment No. 1, June 17, 1953. Completion date extended 3 months to September 30, 1953.

Amendment No. 2, September 16, 1953. Completion date extended from September 30 to October 30, 1953.

Work Completed -

Stage I - Approximately 2 miles bulldozer surface trenching averaging 10 feet wide and 3 feet deep		
Labor and supervision	$1,416.00	
Operating materials and supplies	246.84	
Depreciation and repairs	739.04	
		$2,401.88
Stage II - Five deep bulldozer trenches, approximately 500 feet in total length, averaging 12 feet in width and 10 feet in depth		
Labor and supervision	$2,444.50	
Operating materials and supplies	1,184.02	
Depreciation, repairs, etc.	1,428.28	
		$5,056.80
Total cost		$7,458.68
Government's share at 75 percent		$5,594.01

Project work was started December 5, 1951, but effective work was possible only during the regular operating seasons which covered the periods April 15-November 1, 1952 for Stage I and March 9-October 30, 1953, for Stage II. The work was completed October 30, 1953.

3. Auditor's Report of Review - March 25, 1954

Total cost as billed by Operator	$7,458.68
Exceptions	None
Total accepted cost	$7,458.68
Government's share at 75 percent	$5,594.01

4. Certification - None

5. Comments -

The purpose of the project was to explore two blocks of ground adjacent to the old Red Rock Quicksilver Mine by means of trenching. The original idea of diamond drilling after

shallow surface trenching was abandoned in favor of deeper trenching when rock exposures were found to be badly brecciated.

Cinnabar is found on the property in brecciated, silicified rock resulting from metamorphism of Paleozoic sediments. Shear zones with resulting gouge or talc are usually associated with the mineralized areas.

The exploration work uncovered several small occurrences of mercury mineralization, but these were too small for successful exploitation. Samples taken from the most encouraging area explored averaged only three pounds of mercury per ton of rock.

The operation was conducted efficiently by the Operator, who did all the work himself. All rock exposures were carefully examined and the material panned to determine the presence of cinnabar. Upon completion of deep trenches at the five most promising outcrops the Field Team concluded that additional exploration work on the property was not warranted, even though some authorized funds were still available.

The value of supplies and equipment on hand at the completion of work was considered less than $50 and the Government's interest in such materials was waived.

Michael Ching

Michael Ching

MChing/gla

Copies to: Admr. Reading File
Operating Committee
Docket (original)
Code 700 contract file
Mr. Ching

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/5/68		110
		220

APR 5 1968

Mr. Larry Elder
74-075 Setting Sun Trail
Palm Desert, California 92260

Re: DMEA-1640 (Mercury)
Red Rock Quicksilver Mine
Esmeralda County, Nevada
Amended Contract Idm-E207

Dear Mr. Elder:

Your request of March 9, 1968, for information obtained under the subject contract, with a letter dated March 6, 1968, to Mr. H. K. Stager, Office of Minerals Exploration, Menlo Park, California, from Mr. Walter F. Dunnigan, authorizing the release to you of the Operator's Final Report on the work completed under the contract, has been referred to this office.

As Mr. Stager informed you in his letter of March 12, 1968, there is little information of value in our file on this project. We are enclosing a copy of the Operator's Final Report dated March 23, 1954, and a copy of a map of the Red Rock claims showing location of areas to be explored.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

cc: Director's Reading File
Division File
Economic Geology File
OME docket
OME Reading File
OME Region II

FEJohnson/gla 4-5-68

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

File ordered cse.

OFFICIAL COPY
O. M. E.
RECEIVED
MAR 25 1968

INITIALS	CODE
	110
	120

Memorandum

March 21, 1968

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: DMEA-1640 (Mercury)
Red Rock Quicksilver Mine
Esmeralda County, Nevada
Contract No. Idm-E207 (Amended)

Enclosed is a letter dated March 9, 1968, from Mr. Larry Elder, 74-075 Setting Sun Trail, Palm Desert, Calif. 92260, requesting information on the subject contract. Also enclosed is a letter dated March 6, 1968, from the owner and former operator of the property authorizing the release of information to Mr. Elder.

Will you please furnish Mr. Elder with any useful information available to him.

H. K. Stager

Enclosures

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

March 12, 1968

Mr. Larry Elder
74-075 Setting Sun Trail
Palm Desert, Calif. 92260

Re: DMEA-1640 (Mercury)
Red Rock Quicksilver Mine
Esmeralda County, Nevada
Contract Idm-E207 (Amended)

Dear Mr. Elder:

In reply to your letter of March 9, 1968, I can find little information of value to you in our files for the subject project, but on receipt of Mr. Dunnigan's letter of authorization I will forward it to Washington, D. C. for reply as they may have additional information there that I do not have.

Enclosed is a copy of Standard Form 25, Performance Bond, for your information in the event that Mr. Dunnigan refuses to sign the Lien and Subordination Agreements. A Performance Bond is not required until a contract is approved for signature but you should state your ability to furnish one if necessary in lieu of Lien and Subordination Agreements. If you have any questions, please call or write and I will be glad to help you.

When you have your application ready to submit I will be happy to go over it with you here in the field office. Please call beforehand, however, to be sure that I will be in the office.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosure

Chief, OME,WDC
cc: ACG RF
Docket DMEA 1640
MP Inquiries
HKStager:mlb
3-12-68

LARRY ELDER
PROFESSIONAL ENGINEER
California ME 13872 • Arizona ME 6770

74-075 SETTING SUN TRAIL
PALM DESERT, CALIF. 92260
714-346-2306

MEMBER:
American Society of Agricultural Engineers
American Society of Agricultural Consultants

March 9, 1968

Mr. Harold K. Stager
U. S. Geological Survey
Office of Mineral Exploration
U.S. Department of the Interior
345 Middlefield Road
Menlo Park, California 94025

Dear Mr. Stager:

Thank you for the MME Form 52's.

Mr. Dunnigan will shortly be sending you a letter authorizing you to release the DMAE Contract 1640 exploration report to us. He did not have a copy and couldn't remember whether a final report was submitted. If there is any geological information in the file, we would appreciate your sending it.

Also I find we may need copies of standard Form 25, since Mr. Dunnigan is uncertain whether he will sign the subordination agreement.

Finally, may I hand carry a preliminary copy of our application to your office for informal checking before filing? This will probably be 2 or 3 weeks away; and I would want to make a definite appointment at your convenience at a later date.

Sincerely,

Larry Elder

LARRY ELDER, P.E.

LLE:s

RECEIVED
MAR 1[illegible] 1968
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Reno, Nevada
March 6, 1968

Mr. H. K. Stager
Office of Mineral Exploration
U. S. Department of the Interior
345 Middlefield Road
Menlo Park, California 94025

Dear Mr. Stager:

As the present owner and also the operator of the Red Rock Mine in 1953, when DMEA contract 1640 for exploration work was executed, I hereby authorize your office to provide a copy of the final report under this contract, to Elder and Thompson, Santa Maria, California, the present operators, who are leasing the property from me.

Your cooperation will be appreciated.

Sincerely,

W. F. Dunnigan

WALTER F. DUNNIGAN

c.c. - Elder and Thompson

RECEIVED
MAR 21 1968
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Surname
Docket copy

700

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

Chipping
Ellis
Chandler
Porter
Fogelman

Mr. W. F. Dunnigan
Red Rock Quicksilver Mine
c/o Arlemont Ranch
Dyer, Nevada

Re: Docket No. DMEA-1640 (Mercury)
Contract No. Idm-E207
Red Rock Quicksilver Mine
Esmeralda County, Nevada

Dear Mr. Dunnigan:

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 of the Field Team have been received and accepted by this Administration. Of the total amount of $8,925.00 approved under the contract, the sum of $7,458.68 was expended, 75 percent of which, or $5,594.01, represented the Government's share. There were no unused materials, supplies or equipment to be disposed of for the joint account of the Operator and the Government. 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 7(d) of the Amended Contract which requires the Operator to "keep and preserve said records and accounts for at least 3 years after the 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 therein are appreciated.

Sincerely yours,

C. O. Mittenderf

Administrator

MChing/gla
5-19-54

cc to: Admr. Reading File
Operating Committee
Docket
Messrs. HMMeyer, Rm. 3621
Benjamin Gildersleeve, Rm. B-242A, GSA

Code 700
MChing
DMEA Field Team, Region IV (2)
Contract Adm. and Audit Division

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

Defense Minerals Administration
RECEIVED
APR 13 1954

April 12, 1954

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-1640X (Mercury) Red Rock Quick Silver Mine

On behalf of Miss Meyer, who is on leave, I have reviewed the final report on the above-named project. The report in itself is not as complete as could be desired, but taken in conjunction with the progress reports by Sheehan made during the course of the exploration, it adequately justifies the recommendation that further exploration assistance should be denied and that no discovery should be certified.

There is one statement that should be corrected or explained. This is the last sentence under Conclusions on page 2, "With high mercury prices, and utilizing the existing plant and equipment, a small scale mining operation might be possible." If this statement refers to the ground under exploration, it is contrary to what is stated elsewhere in the report. If it refers to part of the Red Rock mine other than that under exploration, this should be explained. The statement is not elaborated elsewhere in the report.

C. H. Johnson

C. H. Johnson

Copy to - Minerals Division
H. M. Meyer
Base Metals Branch
Files

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-X185, DMA-866, Hamilton Consolidated Mines Corporation and Idm-X207, DMA-1640X, W. F. Dunnigan, and an Audit Report and Certificate covering Contract Idm-X282, DMA-433X, Frank B. Kelver. 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

Department of the Interior
Defense Minerals Administration
RECEIVED
MAR 30 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 26, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-1640X - Mercury
Walter F. Dunnigan
Red Rock Quicksilver Mine
Esmeralda County, Nevada
Contract Idm-E207 (Amended)

Attached are four copies of Operator's final report on the above project submitted by W. F. Dunnigan on March 23, 1954.

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

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno
Finance Office, Region III
G. Mavor

SUMMARY OF WORK DONE ON EXPLORATION CONTRACT BY
WATLER F. DUNNIGAN
DOCKET NO. DMEA 1640 x
CONTRACT NO. IDM E 207
AT THE RED ROCK QUICKSILVER MINE, ESMERALDA COUNTY, NEVADA.

RECEIVED
MAR 30 1954

I started work on the block designated as Block No. 2 on which the engineer picked out 2 locations. On location No. 1 there was some showing of ore on the surface but aftera depth of 2 feet all such indication disappeared and the formation appeared to be dipping out of the hill so I did no more work here.
On location No. 2 I made an open cut that will average about 14 feet in depth and about 50 feet long. On the surface there was a similar indication of ore and the rock is a crushed lime. After going down about 12 feet with the values holding the formation became wedge shaped and pinched out. I went a little deeper to be sure of this then stopped work. From all indications on this block of ground I have no confidence that any amount of ore will be found.

I then moved my equipment to the block designated as Block No.1. Here the engineer picked out two places, one marked with three crosses on the map which we called No. 4 and the other higher up called No. 5. Location No. 4 was started first, here there was several places that would pan a good showing of ore and the formation had the necessary talc layers for seals. But it was very spotty and altho I done quite a lot of work here and I still have values showing to some extent there is no body of ore. All indications are that this formation bears to the north and it is possible that more work should be done here.
Location No. 5 is almost on top of the ridge and the most promising place that I worked. The formation is the limestonethat usually carries ore here but there is no talc seal as far as I have gone. At present there is a small showing of very high grade cinnabar and it looks like it is running to the northwest. I have hopes of continuing work on this in the future.

There is no ore blocked out as this showing in No. 5 is the only place that looks promising and that is just beginning to show up.

SIGNED: W. F. Dunnigan

March 23, 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 18, 1954

Mr. W. F. Dunnigan
Red Rock Quicksilver Mine
Fish Lake Valley
Tonopah, Nevada

Re: Docket DMEA-1640 (Mercury)
Red Rock Quicksilver Mine
Esmeralda County, Nevada
Contract No. Idm-E207 (Amended)

Dear Mr. Dunnigan:

I acknowledge your letter of March 16, 1954, and regret that an error was made in referring you to Item 14 of your contract. For the type of contract issued to you, the pertinent paragraph is Article 7 (b), which states:

> "Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work."

In your case it will not be necessary to have an engineer or geologist prepare your report. What is needed, however, is that you supply us with five copies of a summary report of what you did under the contract and what your opinion is of the results of the work. You will, of course, not be able to give an estimate of ore reserves resulting from the exploration work, but I am sure that a report from you, based upon your observations, will be all that is necessary.

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

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 16, 1954

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 DMA-1640X (Mercury)
Red Rock Quicksilver Mine
Esmeralda County, Nevada
Contract Idm-E207

There are being sent to you attached herewith four copies of a final joint Bureau of Mines-Geological Survey report on the subject property, entitled "DMEA-1640X, Red Rock Quicksilver Mine, Esmeralda County, Nevada," by B. H. Sheahan, Mining Engineer, U. S. Bureau of Mines, and Earl H. Pampeyan, Geologist, U. S. Geological Survey, dated March 9, 1954.

Work completed under Stage I of the project amounted to approximately two miles of shallow trenching in which several occurrences of cinnabar mineralization were uncovered. Under Stage II five deep surface trenches were excavated on the more favorable outcrops. Results of the exploration indicated several small pods of cinnabar-bearing rock, but the occurrences were too small to provide successful exploitation. No significant discovery of ore was made.

The examining engineer and geologist recommend that additional exploration or development work is not warranted; DMEA should certify that the project was not successful;and production from the areas explored is not economically feasible.

Mr. Smith and I concur with those findings.

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

Attachment

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

Reviewed by
DMEA OPERATING COMMITTEE
3-26-54
(date)

FINAL F.T. REPORT

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

FINAL REPORT

Idm-E207

DMEA-1640X, Red Rock Quicksilver Mine

Esmeralda County, Nevada

B. H. Sheahan, Mining Engineer
U. S. Bureau of Mines

Earl H. Pampeyan, Geologist
U. S. Geological Survey

March 9, 1954

Reviewed by
DMEA OPERATING COMMITTEE
3-26-54
(date)

FINAL REPORT

Docket No.: DMEA-1640X (Mercury)

Name and address of operator: W. F. Dunnigan
Dyer, Nevada

Name and location of property: Red Rock Quicksilver Mine, situated in the Fish Lake Valley Mining Dist., sec. 18, T. 1 S., R. 34 E., M.D.B.&M., Esmeralda County, Nev. (fig. 1 attached)

Contract No.: Idm-E207

SUMMARY

The purpose of the exploration work at the Red Rock Quicksilver Mine was to explore two blocks of ground adjacent to the productive area. Surface trenching was started Dec. 5, 1951. The work completed under Stage I amounted to approximately two miles of shallow trenching. Several occurrences of cinnabar mineralization were uncovered. The contract was amended in November 1952 to allow deep trenching on the best outcrops in place of exploration work by diamond drilling. Five deep surface trenches were excavated under the amendment to Stage II from March 9 to November 10, 1953.

Results of the exploration work showed several small pods of cinnabar-bearing rock, however, the occurrences were too small in size to provide successful exploitation.

The exploration operation was efficiently conducted by the operator.

CONCLUSIONS

A significant discovery of ore was not made by the exploration work. The ground between Block 1 and Block 2 was not included as a part of the contract. With high mercury prices, and utilizing the existing plant and equipment, a small scale mining operation might be possible.

RECOMMENDATIONS

a. Additional exploration work or development work is not warranted on either Block 1 or Block 2 of the property.

b. DMEA should certify that the project was not successful.

c. Production from the areas explored is not economically feasible.

DESCRIPTION OF WORK COMPLETED

The DMEA contract was signed by the operator on Nov. 9, 1951 and work was started Dec. 5, 1951.

Stage I: Approximately two miles of shallow surface trenching was completed with a D-4 bulldozer. The trenches average 10 feet in width and 3 feet in depth. The operator carefully examined rock exposures and panned the material to determine whether or not there was an occurrence of cinnabar. Because of the short operating season, the work was not completed until late in August 1952.

Occurrences of cinnabar mineralization found by this work indicated that further exploration was warranted.

The contract was amended to allow deep trenching instead of diamond drilling because of rock conditions.

Stage II: Deep surface trenching was started on March 9, 1953 and continued to November 10, 1953. Work completed included five deep surface trenches indicated on attached maps and further described in geologic section of this report.

Equipment owned by the operator was suitable for the work.

Interim reports describing the work were prepared by the engineer from April 24, 1952 to October 15, 1953. A final inspection was made on December 19, 1953.

GEOLOGY

The Red Rock mine lies in a small pendant of metamorphosed early (?) Paleozoic sediments suspended in Jurassic granitic rocks; Tertiary volcanics locally overlie the pendant and intrusive.

The metamorphic rocks consist of interbedded phyllites and marble which, according to Bailey and Phoenix[1/], strike northwesterly and seem to dip northeast. Portions of the metamorphics are silicified and contain the productive ore bodies.

1/ Bailey, E. H., and Phoenix, D. A., Quicksilver deposits in Nevada: Univ. of Nevada Bull., v. 38, No. 5, pp 72-73, Dec. 1944.

A granitic rock is exposed about 1,000 feet north of the mill, just off the Red Rock claims. This rock has the composition of a monzonite and is responsible for the metamorphism of the sediments. It extends westward as the core of the White Mountains and is probably genetically related to the Sierra Nevada batholith.

Tertiary volcanics occurring nearby are reported to consist of basalt and dacite flows, and tuffs.

The silicified rock creates bold outcrops which form the backbone of the ridge, on which the Red Rock and Container mines are situated, extending for about 2,000 feet east and west from the Red Rock open pits (fig. 2). These resistant rocks represent sediments that have been replaced by quartz. In general, the silicified rock is all broken having undergone at least two periods of brecciation, pre- and post-silicification. The first period of fracturing is represented locally by massive outcrops made up of angular fragments cemented together with white quartz. The post-silicification fracturing is represented by shattered, rubbly croppings of siliceous material.

The silicified rock is cut by many irregular bands of clay locally called "talc." These appear to be zones of shearing with the "talc" as the resulting gouge. They seem to have a northwest to west trend and vary in dip from horizontal to vertical.

ORE DEPOSITS

Cinnabar is the only quicksilver mineral found on the Red Rock property. It occurs with the brecciated silicified rock as crystalline fracture fillings and also as "paint" on fracture surfaces. The antimony minerals stibnite and stibiconite occur on the property but are not common.

The Red Rock's productive ore bodies were in the silicified rock beneath "inverted troughs" of gouge formed by the intersection of a south-dipping fault and three sub-parallel south-dipping shear zones. The cinnabar uncovered during stage two of the exploration program occurred either associated with small pods of silicified rock in the shear zones or in silicified rock under a dome-shaped capping of gouge. The pods of cinnabar-bearing rock which showed promise of making good ore pinched out with an additional few feet of trenching.

EXPLORATION

Exploration under stage one of the subject contract consisted of surface work with a bulldozer in Blocks 1 and 2 (fig. 2) of the Red Rock property. At the conclusion of stage one work, five areas were considered worthy of further exploration. Diamond drilling, originally scheduled for stage two, was thought to be unsatisfactory due to the shattered nature of the rock. The contract, therefore, was amended to call for surface trenching in the favorable areas. Five trenches were made with the bulldozer and cinnabar was found in all but the last of these (fig. 3). The cinnabar was associated with the silicified sediments and usually close under a capping

of "talc" or gouge. The best showing was in #4 trench where three small pods of cinnabar-bearing rock were suspended in a relatively thick zone of gouge. These small pods, however, pinched out before the trench was bottomed. Samples of this rock taken for assay by the U. S. Bureau of Mines averaged only three pounds of mercury per ton of rock.

When the five trenches were completed the operator requested an amendment to use the small unused balance of DMEA money for more trenching along the western edge of Block 1. As the exploration program had already exceeded the two year limit, and as it appeared unlikely that any significant discovery would be made, it was decided to terminate the contract.

Only three or four wheelbarrow loads of rock that would constitute ore were uncovered in the trenches and no reserves were defined during the exploration program. It is believed that no certification of discovery is warranted.

EXPENDITURES

Total approved	$8,925.00
Total cost of project	7,458.68
Government's share of cost	5,594.01
Government's share unexpended	1,099.74
Value of production during operations and Government's royalty	None*

*Note description of exploration.
The operator estimated that one flask of mercury would be recovered from ore mined from the exploration work.

EFFICIENCY OF OPERATIONS

Mr. Walter F. Dunnigan, the operator, completed all of the exploration work. Mrs. Dunnigan assembled monthly reports and did the accounting. The work was conducted efficiently. Mr. Dunnigan is a competent operator and was particularly skilled to do this type of exploration.

The unit cost per foot of trench under Stage I was $0.24 per foot. Deep trenching under Stage II cost $10.11 per foot.

Mr. Dunnigan plans to conduct either a mining or development operation at the property in 1954.

EQUIPMENT PURCHASED FOR PROJECT

Description	Purchase Price	Salvage value
Drill steel, Type: 7/8" Sandvik Coromant Make: Copco Pacific, Ltd. Amount: 3 pieces 6'-0" 2 " 4'-0" 3 " 2'-6" 2 " 2'-0"	$183.48	Less than $50.00

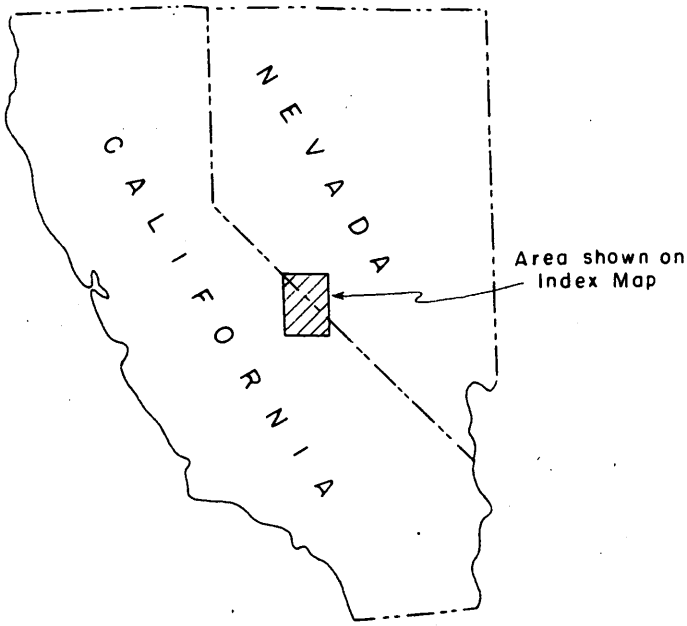
Other supplies on hand at the completion of the work included 50 pounds of explosives and 200 blasting caps. The purchase price and salvage value was less than $50.00

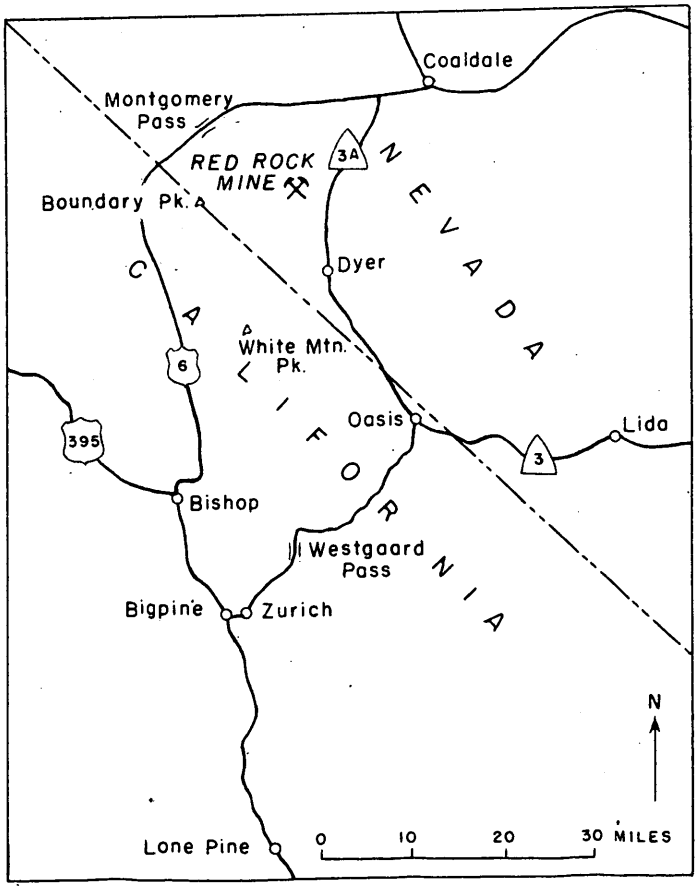
Recommended disposition:

The engineer recommends that the Government's interest in the remaining supplies and equipment be waived.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 1640X
Idm - E207
(MERCURY)





INDEX MAP SHOWING LOCATION OF RED ROCK MINE
ESMERALDA COUNTY, NEVADA

FIGURE 1

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

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

January 11, 1954

Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
Fish Lake Valley
Tonopah, Nevada

Re: Docket DMEA-1640 (Mercury)
Contract Idm-3207 (Amended)
Red Rock Quicksilver Mine
Esmeralda County, Nevada

Dear Mr. Dunnigan:

Reference is to your letter dated January 6, 1954, inquiring about non-payment of your October voucher.

A review of our files indicates that by letter dated November 8, 1953, you informed us that you had closed down operations for the winter and that you would like to use the balance of the funds left in your contract to do some work 300 feet northwest of location No. 5 in Block No. 1, next spring.

In line with your request for new work, I have asked the Geological Survey to visit your property to determine if I should recommend this new work to our Washington office and have an amendment drawn to your contract. I have not yet received the geologist's report.

As there always is a possibility that the request for new work may not be recommended or granted, or that you might not resume operations as intended after a lengthy shutdown, your October voucher might be the last one that you will submit. Consequently, in accordance with Article 8 of the contract, we have been withholding your last voucher pending a possible final settlement of the contract.

It is noted also that your contract, as amended, expired on October 30, 1953. As your original contract was dated November 9, 1951, any further extension into 1954 will call for the original contract to run for more than two years. An amendment extending your contract will therefore have to be drawn up by the Washington office, as except in unusual circumstances, no contract is to run for more than two years from the date of the contract, and I have no authority to draw an amendment of that kind.

We assure you that prompt payment of your October voucher will be made just as soon as all influencing circumstances have been cleared up.

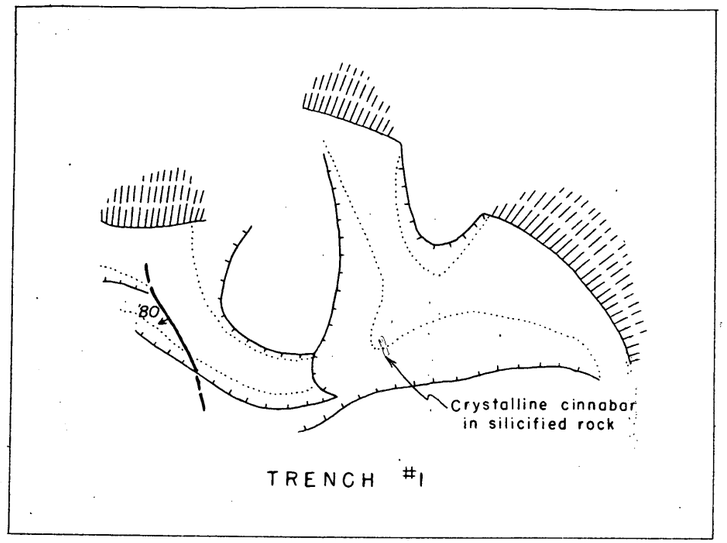
Sincerely yours,

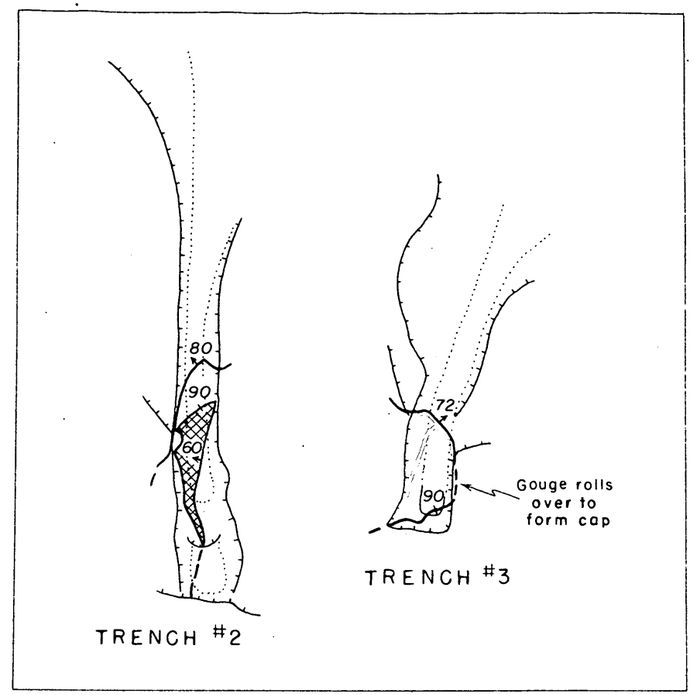
H. C. MILLER
H. C. Miller
Executive Officer
DMEA Field Team, Region III

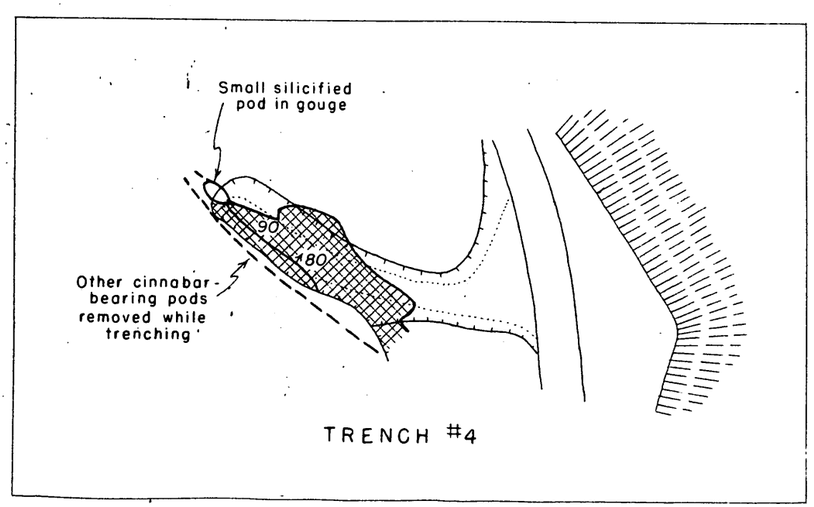
Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS
A. C. Johnson, Reno

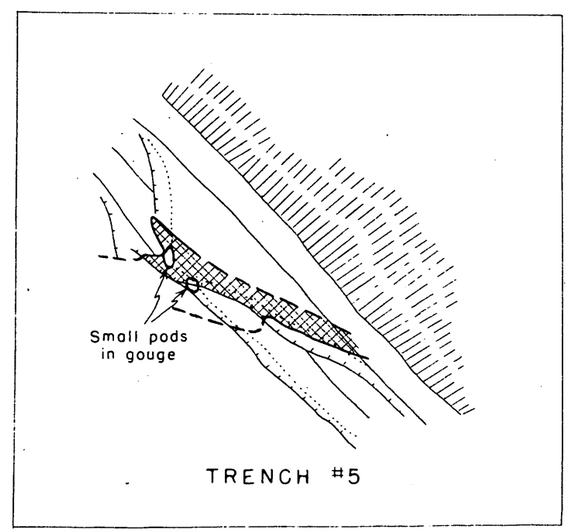
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 1640X
Idm - E207
(MERCURY)









EXPLANATION

Country rock, black and white brecciated silicified marble and phyllite

Clay gouge "Talc"

Cinnabar

80
Fault, showing dip
Dashed where approximately located

90
Vertical fault

Top of cut

Foot of cut

Dump

17 ½
TRUE NORTH
MAGNETIC NORTH

SKETCH MAP OF TRENCHES #1-5 (STAGE II) RED ROCK MINE, ESMERALDA COUNTY, NEVADA

40 0 40 80 FEET

FIGURE 3

3/16/54 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 16 1954

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

March 12, 1954

Mr. W. F. Dunnigan
Red Rock Quicksilver Mine
Fish Lake Valley
Tonopah, Nevada

Re: Docket DMEA-1640 (Mercury)
Contract Idm-E207 (Amended)
Red Rock Quicksilver Mine
Esmeralda County, Nevada

Dear Mr. Dunnigan:

Your letter of March 9, 1954, is acknowledged. In the same mail, I received our engineer's and geologist's report on the operations at your property to the time operations were recessed last fall on account of weather conditions.

The engineer and geologist recommend that no additional exploration under the DMEA contract is warranted. Although they recognize that the results of exploration indicated several large pods of cinnabar-bearing rock, the occurrences were too small to consider a significant discovery of ore had been made.

The time for completing the contract - October 30, 1953 - has run out, so that we are considering the contract terminated. Your account will now be audited by the DMEA auditor and upon completion of his audit, your account will be closed and your October voucher paid if payment is in order.

Your attention is called to Item 14 of the contract, which requires you to provide us with four copies of a final report.

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
F. Horton

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 17 1953

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

November 13, 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 No. DMEA-1640 (Mercury)
Red Rock Quicksilver Mine
Esmeralda County, Nevada
Contract No. Idm-E207 (Amended)

Reference is made to your letter dated November 9, 1953, concerning the subject contract and informing me that any amendment extending the contract will have to be prepared in your office because of the two-year limit.

Just a few hours before your letter arrived I received one from the operator - Mr. W. F. Dunnigan, dated November 8, informing me that he had closed down his operations for the winter. He did not request an extension of time but did state that "after doing the work on Location No. 5, it looks like the ore zone continues in that direction." He asked if it would be possible to use the balance left in his contract to do some work about 300 feet northwest of Location No. 5 in Block No. 1. next May.

Before considering whether I should ask you to allow this work to be done, I will have our geologist report on what has been accomplished. If the request seems justified, I will write to you and at the same time let you know if present showings justify extension of the contract beyond October 30, 1953.

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

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

FILE COPY
SURNAME:

Ching
Elg
Selfridge

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

NOV 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 No. DMeA-1640 (Mercury)
Contract No. Ida-[illegible]
Red Rock Quicksilver Mine
Esmeralda County, Nevada

Dear Mr. Miller:

The completion date of the captioned contract expired on October 30, 1953. The Operator's monthly reports show that $6,77[illegible] had been expended to the end of September out of $8,925.00, the total estimated cost of the project. The indications are that the Operator did not complete the work as outlined in the contract by October 30 and that a further extension of the completion date will be required.

Since the contract will be over two years in length after November 9, 1953, any amendment to extend it beyond that date should be drawn up in the Washington Office and signed by the Administrator. If the Field Team believes that such an extension is necessary, please forward the Operator's request along with your justification and recommendation to this office.

Sincerely yours,

George C. Selfridge
(GCS)

Chairman, Operating Committee

MChing/gla
11-4-53

cc to: Adm. Reading File
Operating Committee
Docket
Messrs. H. M. Meyer, Rm. 3623
A. R. Kinkel, Jr. Rm.B-242A, GSA
Ellis
Ching

Concurred:

J. H. Hedges (JHB)
Member, Bureau of Mines

A. R. Kinkel, Jr. (ARK)
Member, Geological Survey

R.C.h.
11-9-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 10 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: November 5, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA -1640

Contract Idm-E 207

Commodity Mercury

Operator - Walter F. Dunnigan

Property - Red Rock Quicksilver Mine
Esmeralda County, Nevada

By Benjamin H. Sheahan

Dated October 15, 1953

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

Attachment

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

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

INTERIM REPORT

Docket No.: DMEA-1640 (mercury) October 15, 1953

Name and address of operator: Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Name and location of property: Red Rock Quicksilver Mine,
Esmeralda County, Nevada

The mine is located in sec. 18, T. 1 S., R. 34 E., M.D.B.&M.

Contract No.: Idm-E207

SUMMARY AND CONCLUSIONS

The property was inspected by an engineer of the Bureau of Mines accompanied by Walter Dunnigan, the operator on October 9, 1953. A previous inspection was made of the property by the engineer on August 14, 1953.

Deep surface trenching was conducted by the operator on Block 1 at locations indicated on sketch map fig. 1.

A small irregular pod of ore was discovered by the deep surface trench at the south end of Block 1. Cinnabar mineralization occurred in rubbly silicified limestone across a width of 1 foot and a length of 8 feet. Approximately one half ton of ore was recovered from this excavation. The average mercury content was 3.7 lbs. per ton.

Work completed during the interim period included lengthening and deepening two trenches on Block 1.

Total expenditures to date listed by the operators on their Sept. 1953 monthly report amounted to $6,779.53.

The operator plans to complete work under the contract on October 30, 1953.

RECOMMENDATIONS

a. For improvement of operations: None.

b. Change in project or target: None.

c. Amendments to contract: None.

d. Other:

Work completed under the second stage of the exploration contract should be inspected by a geologist of the U. S. Geological Survey prior to the close of the present operation season.

WORK COMPLETED

Work completed under the first stage of the exploration contract included approximately two miles of shallow surface trenching.

Work completed under the second stage of the contract included one deep trench on Block 2, two deep trenches on Block 1, and one trench near the south end of Block 1 approaching completion.

COMMENTS ON PROGRESS

The operator has done all of the exploration work himself. Progress has been slow; however, the work was done efficiently. The operator was unable to hire a miner to assist him with the work at a reasonable wage rate.

Amendment No. 2 to the contract extended the completion date one month to October 30, 1953. The operator intends to complete the remaining exploration work under the contract by October 30, 1953.

GEOLOGY AND MINERALIZATION

Small pods of ore containing cinnabar mineralization have been found in each of the deep trenches. The trench excavated on the south end of Block 1 has uncovered an occurrence of cinnabar, however, unless the size of the pod increases at depth, a mining operation would not be economically feasible.

CHECK SAMPLING

Sketch map (fig. 1) shows the location of samples taken on Block 1 by the engineer. Sample S-244 was taken from one half ton of ore mined from the trench on the south end of Block 1 and assayed 3.7 lbs. Hg per ton.

OTHER INFORMATION

Mr. Dunnigan has recovered approximately two tons of ore from work conducted under the exploration contract; and he estimates that about one flask of mercury will be recovered from this ore.

The operator plans to obtain employment at the Arlemont Ranch, Fish Lake Valley, Nevada during the winter months. He intends to resume exploration or mining operations in the spring of 1954.

B. H. Sheahan

B. H. Sheahan
Mining Engineer

RED ROCK QUICKSILVER MINE
ESMERALDA COUNTY, NEVADA
DMEA-1640 Contract Idm-E207
Sketch map of open cut trenches
BLOCK 1 - Stage 2
July 7, 1953 B.H. Sheahan
August 14, 1953
Oct. 9, 1953

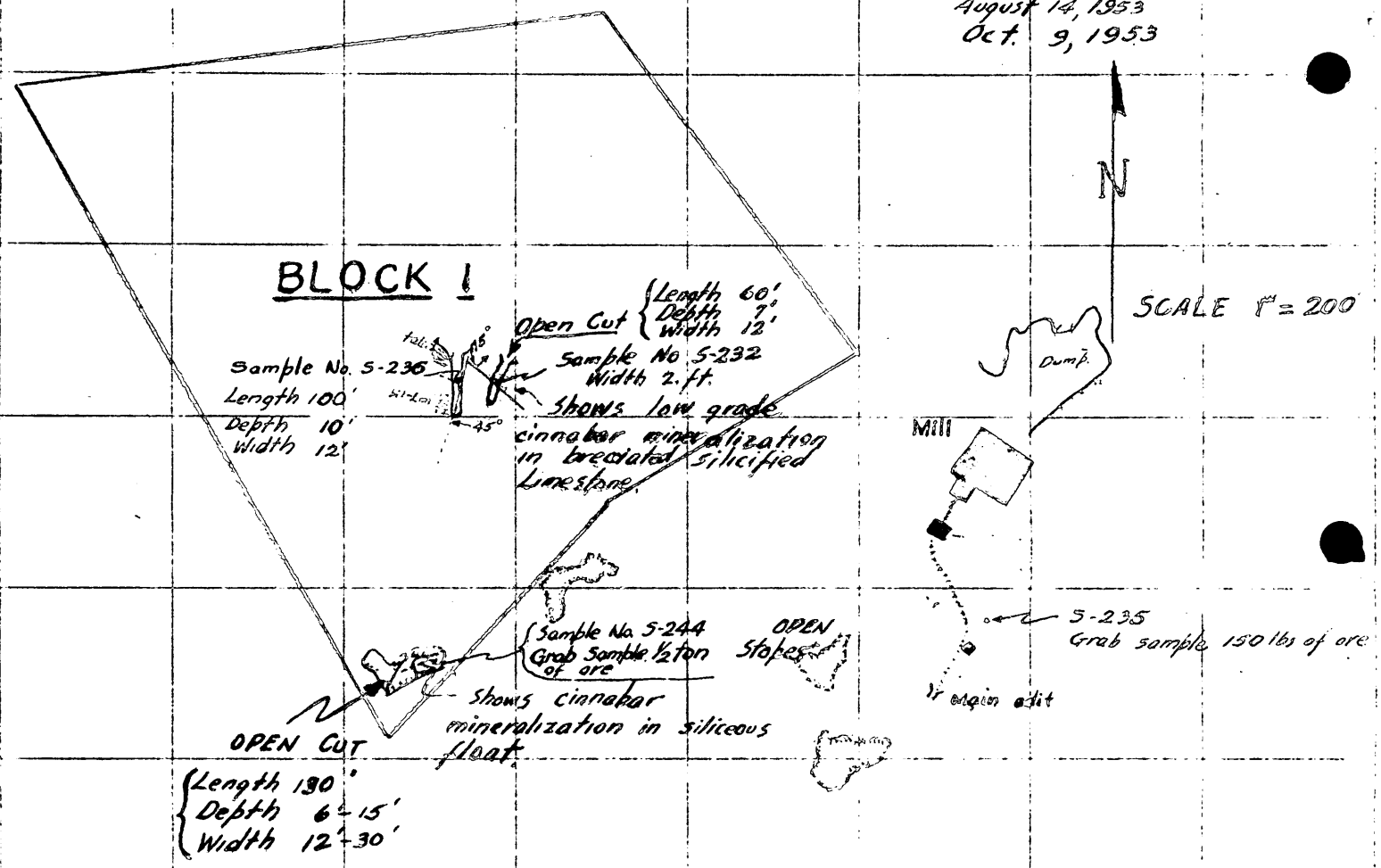


Figure 1

October 7, 1953

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault, Rare & Misc. Metals Division

Subject: Amendments to contracts

DMEA-1640, W. F. Dunnigan (Mercury)
Contract No. Idm-E207, Amendment No. 2,
dated September 16, 1953

Mr. Ellis has reviewed the above amendment and approves it.

DMEA-1896, Excalibur Uranium Company (Uranium)
Contract No. Idm-E488, Amendment No. 3,
dated September 300, 1953.

Mr. Knouse has reviewed this amendment and approves it, but suggests that it be reviewed by the Legal Division.

Grace L. Ault

Date October 7, 1953

Engineer Mr.Ellis (Schmidt-Ching)

IMEA- 1640 W. F. Dunnigan
Idm-E 207

Attached is Amendment No. 2, dated September 16, 1953 to the above contract to be reviewed.

Approval _____

Other action _____

Please return this slip to me for my records.

Mrs. Ault.

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

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

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

September 28, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-1640 (Mercury)
Red Rock Quicksilver Mine, Esmeralda County, Nevada
Contract Idm-E207 (Amended)
Amendment No. 2

Attached are the original and two copies of Amendment No. 2, dated September 16, 1953, extending date of completion of subject contract.

A justification sheet is attached to each copy of the amendment.

Proper distribution has been made of the remaining copies.

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

Attachments

Copy to: A. C. Johnson, Reno (With copy of amendment)
Finance Officer, Region III (With copy of amendment)
E. H. Bailey, USGS
George Mavor

RECEIVED
OCT 13 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

Defense Mine... SEP 2 1953

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

September 21, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Operators' Monthly Progress Reports - Forms MF-104 & MF-104A

Enclosed herewith are two copies of each of the subject reports received from the following operators as listed below. These reports have been audited and passed to the Treasury for payment.

	Contract No.	Operator	Report dated	Period covered	
✓	Idm-E207 DMEA-1640X	W. F. Dunnigan	Sept. 5, 1953	August 1953	MC
Code 400	Idm-E248 DMEA-2082	Mt. Wheeler Mines, Inc.	Sept. 9, 1953	August 1953	
	Idm-E369 DMEA-2478	New Idria Mining and Chemical Company	Sept. 9, 1953	August 1953	MC
Code 500	Idm-E404 DMA-66X	Ely Valley Mines, Inc.	Sept. 10, 1953	August 1953	
Code 400	Idm-E505 DMEA-2801	Metallics Unlimited	Sept. 8, 1953	August 1953	

H. C. MILLER
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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 21 1953

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

September 16, 1953

Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
Fish Lake Valley
Tonopah, Nevada

Re: Docket DMEA-1640 (Mercury)
Contract Idm-E207 (Amended)
Red Rock Quicksilver Mine
Esmeralda County, Nevada
Amendment No. 2

Dear Mr. Dunnigan:

Complying with your letter of September 14, 1953, we have drawn up an Amendment No. 2 to subject contract extending the completion date to October 30, 1953.

If you are in accord with the amendment as we have drawn it up, will you kindly sign all of the six copies enclosed, returning the original and four carbon copies to this office, retaining the remaining copy marked "Operator's Copy" for your records.

Sincerely yours,

S. RICKER

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

Enclosure

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 8-1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: September 2, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA -1640

Contract Idm-E 207

Commodity Mercury

Operator - Mr. Walter F. Dunnigan

Property - Red Rock Quicksilver Mine
Esmeralda County, Nevada

By B. H. Sheahan

Dated August 26, 1953

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

Attachment

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

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

INTERIM REPORT

Docket No.: DMEA-1640 (Mercury) August 26, 1953

Name and address of operator: Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nev.

Name and location of property: Red Rock Quicksilver Mine
Esmeralda County, Nevada
Sec. 18, T. 1 S., R. 34 E., M.D.B.&M.

Contract No.: Idm-E207

SUMMARY AND CONCLUSIONS

The property was inspected by an engineer of the Bureau of Mines accompanied by Mr. Walter Dunnigan, the operator on August 14, 1953. A previous inspection was made of the property by the engineer on July 7, 1953.

The operator continued deep surface trenching near the center of Block 1. Cinnabar mineralization was found adjacent to fracturing in siliceous limestone capped by talc. A narrow pod of the material, 6 inches in width and 8 feet in length, was found. Sample No. S-236 cut from the bottom of the trench contained 0.8 lbs. of mercury per ton. The operator had mined approximately 150 lbs. of ore from the pod that was sampled (S-235) and contained 6.1 lbs Hg per ton.

Work completed during the interim period included a trench 90 feet in length and 8 feet in depth (fig. 1).

Total expenditures for the month of July 1953 amounted to $862.74 and total expenditures to date amount to $5,164.15. Of this total amount $2,401.88 was expended on surface trenching on the first stage

of the work completed in 1952.

Occurrences of ore found by the exploration work completed have not been of sufficient size and grade for a profitable mining operation.

The operator plans to complete the trench started near the south end of Block 1 early in September. This trench appears to be one of the best locations where a discovery might be made.

RECOMMENDATIONS

a. For improvement of operations:

The operator should hire one miner to assist him with the exploration work.

b. Change in project or target:

None.

c. Amendments to contract:

None.

STATEMENT OF WORK COMPLETED

Work completed under the first stage of the exploration contract included approximately two miles of shallow surface trenching.

Work completed under the second stage of the exploration contract includes one completed trench on Block 2, one completed trench on Block 1 and two partly completed trenches on Block 1 (fig. 1).

COMMENTS ON PROGRESS

Progress on the exploration work has been slow. The operator has done all of the work himself. The excavations have been carefully

examined for cinnabar mineralization. The work has been done efficiently.

The operator intends to hire a miner to assist him with drilling and blasting. The contract expires on September 30, 1953.

The completed trenches expose the formation to depths of from 5 feet to 20 feet.

The operator has encountered difficulty in hiring a miner to assist him.

GEOLOGY AND MINERALIZATION

Small pods of ore containing cinnabar mineralization have been found in each of the deep trenches. None of these occurrences contain ore of sufficient size and grade for a profitable mining operation.

CHECK SAMPLING

Sketch map (fig. 1) shows the location of samples taken on Block 1 by the engineer.

Sample No.	Lbs. Hg/ton	Remarks
S-232	0.5	Bottom of trench; 2 feet siliceous limestone.
S-235	6.1	Grab sample of 150 lbs. of ore.
S-236	0.8	6-inch cut bottom of trench.

OTHER INFORMATION

The operator plans to mine ore from old workings and may treat low grade ore from the surface areas adjacent to old stopes through a small jigging plant at the property providing that no ore is found by the work conducted under the exploration contract.

B. H. Sheahan

B. H. Sheahan
Mining Engineer

RED ROCK QUICKSILVER MINE
ESMERALDA COUNTY, NEVADA.
DMEA-1640 Contract Idm-E207
Sketch map of open cut trenches
BLOCK 1 - Stage 2
July 7, 1953 B.H. Sheahan
August 14, 1953

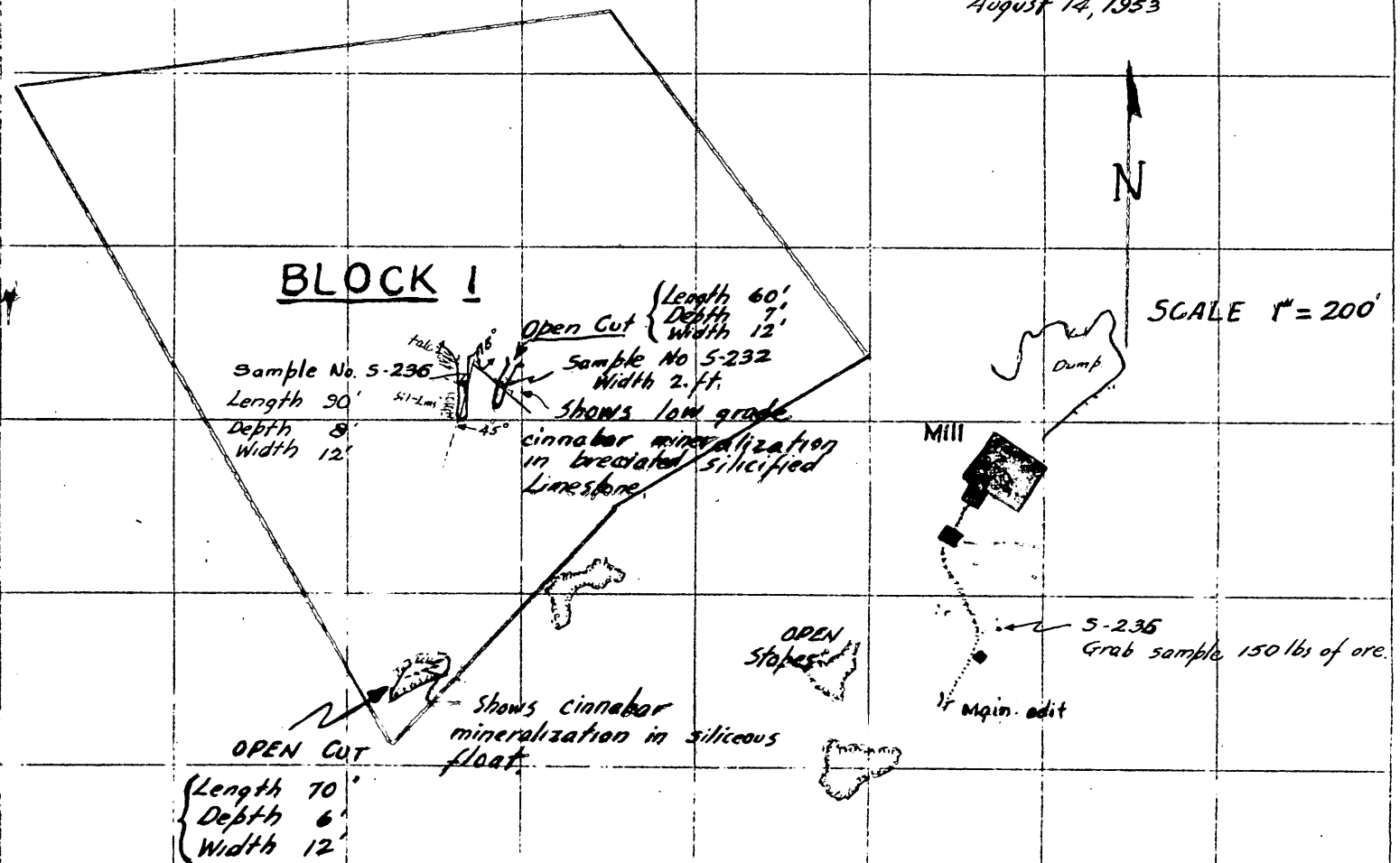


Figure 1

"ALBANENE" No. 1080 REG. U.S. PAT. OFF. K&E CO.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 4 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: July 31, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 1640X

Contract Idm-E 207

Commodity Mercury

Operator - Mr. Walter F. Dunnigan

Property - Red Rock Quicksilver Mine, Esmeralda County, Nevada

By B. H. Sheahan

Dated July 24, 1953

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

Attachment

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

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

INTERIM REPORT

Docket No.: DMEA-1640X (Mercury) July 24, 1953

Name and address of operator: Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Name and location of property: Red Rock Quicksilver Mine,
Esmeralda County, Nevada

The mine is located in sec. 18, T. 1 S., R. 34 E., M.D.B.&M.

Contract No.: Idm-E207

SUMMARY AND CONCLUSIONS

The property was inspected by an engineer of the Bureau of Mines accompanied by Mr. Walter Dunnigan, the operator on July 7, 1953. A previous inspection was made by the engineer on June 8, 1953.

The operator has started deep surface trenching on Block No. 1. Cinnabar mineralization has been found at both locations, however the occurrences are too small to be mined for ore. Further exploration may uncover ore.

Total expenditures to date, listed by the operator's June 1953 monthly report and voucher, amount to $4,327.43.

All of the work completed on the contract has been done by Mr. Dunnigan. Work authorized by the exploration contract should be completed in September 1953.

RECOMMENDATIONS

For improvement of operations: The operator should hire one miner to assist him with the exploration work. This recommendation

was discussed with the operator.

Changes in project or target: None.

Amendments to contract: None.

STATEMENT OF WORK COMPLETED

Work completed on the second stage of the exploration contract includes one completed trench on Block No. 2 as described by the previous iterim report, and two deep exploration trenches started on Block No. 1 which have not yet been completed (see fig. 1).

COMMENTS ON PROGRESS

Progress on the exploration work has progressed slowly. Mr. Dunnigan has done all of the work himself, but has very carefully examined and panned all excavations for cinnabar. He intends to hire one miner to assist him with drilling and blasting. Bad weather conditions in the spring of 1953 slowed progress. Amendment No. 1 to the contract dated June 17, 1953 authorized that the date of completion be extended three months to September 30, 1953.

OPERATOR'S MONTHLY REPORTS

The operator's monthly reports show expenditures of $2,401.88 on first stage work consisting of 12,990 feet of shallow bulldozer cuts and road cuts.

Expenditures on a part of second stage exploration work which consisted of deepening three open cut trenches amounted to $1,925.55.

The operator's account books were available for inspection at the property.

GEOLOGY

A deep exploration trench on Block No. 1 in broken silicified limestone with talc, shows cinnabar in float.

A second deep open cut on Block No. 1 showed low grade mineralization too small to be of economic importance (see fig. 1).

CHECK SAMPLING

Sample No. S-232 was cut across two feet of siliceous limestone showing traces of cinnabar. Sample location is shown on attached map. The assay will be included with the next interim report.

Sample No. S-228 from open cut No. 1 Block 2 contained 1.4 pounds Hg per ton across one foot of mineralization.

OTHER INFORMATION

Exploration work at the Container Quicksilver Mine which adjoins the Red Rock Quicksilver was started during July 1953 by Mr. Lee E. Pitts of Dyer, Nev.

Assessment work at the B & B Quicksilver Mine conducted during 1952 and 1953 exposed low grade ore in opalite, according to Mr. Dunnigan.

B. H. Sheahan

B. H. Sheahan
Mining Engineer

RED ROCK QUICKSILVER MINE
ESMERALDA COUNTY, NEVADA
DMEA-1640 Contract Idm-E207
Sketch map of open cut trenches
BLOCK 1 - Stage 2
July 7, 1953 B.H. Sheahan

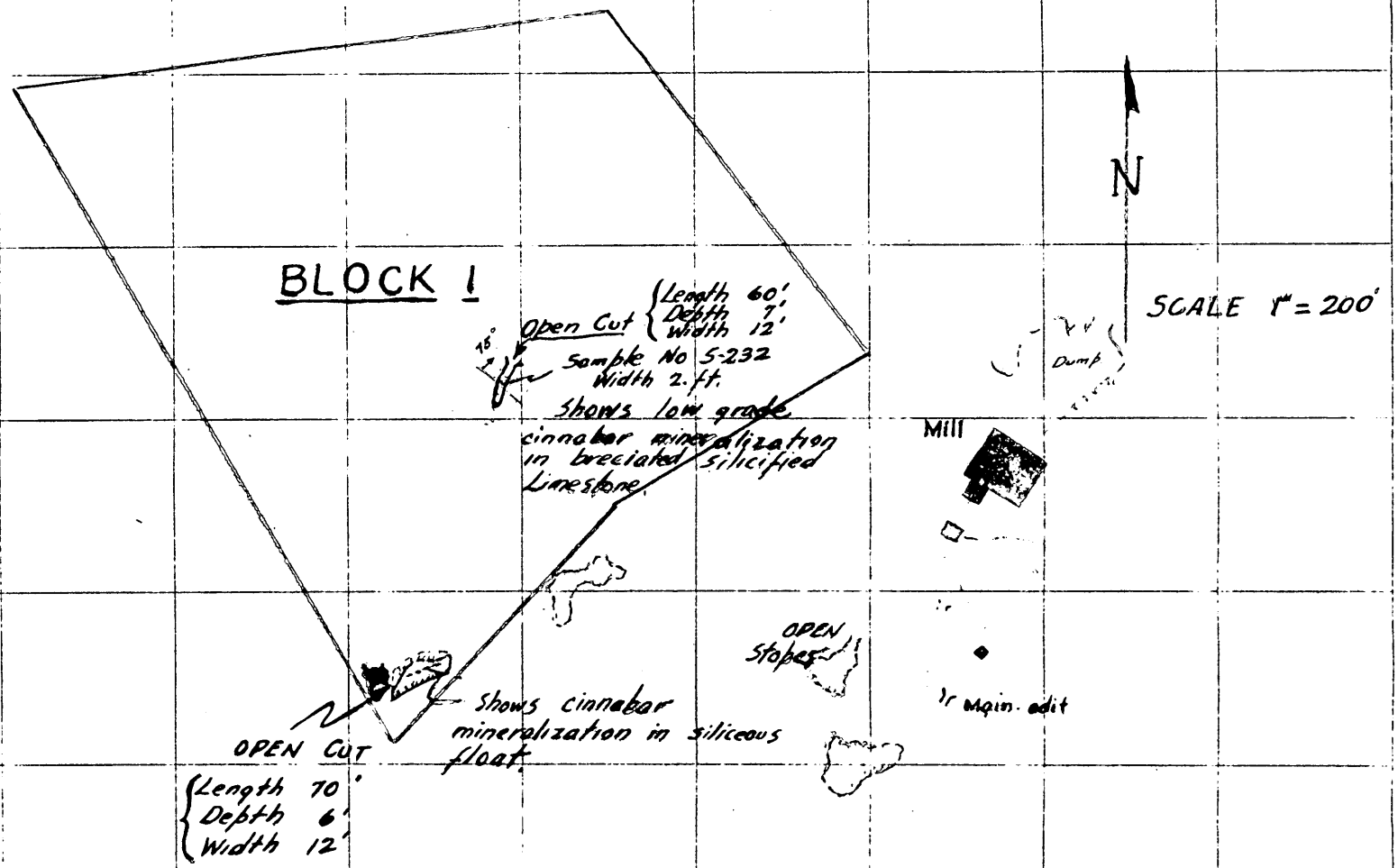


Figure 1

July 6, 1953

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault, Rare & Misc. Metals Division

Subject: Amendments to contracts

DMEA-1640, contract Idm-E207, W. F. Dunnigan
Amendment No. 1, dated June 17, 1953

DMEA-2841, contract Idm-E523, Foote Mineral Company
Amendment No. 1, dated June 19, 1953

Mr. Ellis reviewed the two amendments shown above, and approves both of them.

Grace L. Ault

Date July 6, 1953

Engineer Mr. Ellis (Mr. Schmidt) ~~(xxxxxxxxxxxxxxxx)~~

OMSA -1640 W. F. Dunnigan
IDK- 207

dated June 17, 1953

Attached is amendment No. 1 / to the above contract to be reviewed.

Approval _____

Other action _____

Please return this slip to me for my records.

Mrs. Ault

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.

June 25, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-1640 (Mercury)
Red Rock Quicksilver Mine, Esmeralda County, Nevada
Contract Idm-E207
Amendment No. 1

Attached are the original and two copies of Amendment No. 1, dated June 17, 1953, modifying and amending subject contract.

A justification sheet is attached to each copy of the amendment.

Proper distribution has been made of the remaining copies.

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

Attachments

Copy to: A. C. Johnson, Reno (With copy of amendment)
Finance Officer, Region III (With copy of amendment)
E. H. Bailey, USGS
George Mavor

coe
6/29

RECEIVED
JUL -8 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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.

June 18, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Operators' Monthly Reports - Forms MP-104 & MP-104A

Enclosed herewith are two copies of each of the subject reports received from the following Operators as listed below. These reports have been audited and passed to the Treasury for payment.

Contract No.	Operator	Report dated	Period covered
Idm-[illegible]07 DMEA-1640	W. F. Dunnigan	6/6/53	May 1953
Idm-[illegible]81 DMEA-2[illegible]	NIA Mines Company	5/27/53 5/27/53	March 1953 April 1953
Idm-[illegible]05 DMEA-2801	Metallics Unlimited	6/2/[illegible]	May 1953

S. RICKER

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

Attachments

Copy to: E. H. Bailey, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: June 17, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 1640X

Contract Idm-E 207

Commodity Mercury

Operator - Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine, % Arlemont Ranch
Dyer, Nevada

Property - Red Rock Quicksilver Mine
Esmeralda County, Nevada

By B. H. Sheahan, Mining Engineer

Dated June 9, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 22 1953

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

Attachment

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

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

INTERIM REPORT

Docket No.: DMEA-1640X (mercury) June 9, 1953

Name and address of operator: Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
% Arlemont Ranch
Dyer, Nev.

Name and location of property: Red Rock Quicksilver Mine, Esmeralda County, Nev. The mine is located in sec. 18, T. 1 S., R. 34 E., M.D.B.&M.

Contract No: Idm-E207

SUMMARY

The property was inspected by an engineer of the Bureau of Mines, accompanied by Mr. Walter Dunnigan, the operator, on June 8, 1953. A previous inspection was made by the engineer on April 13 and 14, 1953.

The first stage of the exploration work consisting of approximately two miles of shallow surface trenching was completed in August 1952.

Amendment No. 1, authorizing deeper surface trenching on Block 1 and Block 2, was signed late in the autumn of 1952, however, work could not be started until March 9, 1953 because of winter weather. Weather conditions have been poor in 1953 and the operator has not been able to work full time on the exploration contract because of the bad weather.

One deep open cut trench was completed on Block 2 and one deep open cut trench was started at Block 1 on second stage work.

The operator produced a small amount of ore from Block 1 as mentioned in the previous inspection report.

CONCLUSIONS

The first deep trench on Block 2 showed no ore. A second trench being started on Block 1 showed cinnabar in float and at a depth of 10 to 15 feet might expose ore.

RECOMMENDATIONS

For improvement of operations:

The operator plans to hire one efficient miner to assist him.

Changes in project or target:

None

Amendments to contract:

The time of the contract should be extended from June 30, 1953 to September 30, 1953 in order to complete the exploration work. This extension of time is justified because of bad weather conditions and short operating seasons.

STATEMENT OF WORK COMPLETED

Work completed on the first stage of the exploration contract consisted of approximately two miles of shallow surface trenching. Several occurrences of cinnabar mineralization were exposed, but little ore was found. Work completed on the second stage of the exploration contract includes one completed trench on Block No. 2 with an average width and depth of 12 feet and 94 feet in length. The maximum depth was 21 feet (see fig. 1a and 1b.).

The operator started excavation work on Block No. 1 during the early part of June 1953.

COMMENTS ON PROGRESS

The original exploration contract was signed on November 9, 1951, however practically no work was completed until the 1952 operating season from April 15, 1952 to November 1, 1952.

The first stage of the exploration work was completed late in August 1952. Amendment No. 1 to the contract authorized deeper trenching in place of core drilling. The amendment was signed on Nov. 17, 1952 at the close of the operating season.

Operations on second stage exploration work was commenced on March 9, 1953, however weather conditions were not favorable. The operator has done all of the work himself. He plans to hire one miner to speed progress on the contract as recommended by the engineer in previous inspection reports.

The contract time expires on June 30, 1953, however the contract should be extended three months to September 30, 1953 to allow the operator to complete the work.

The exploration work was conducted efficiently. Total expenditures shown by the operators monthly report of May 1953 amounted to $3,613.85. Of this total $506.52 was expended on second stage, deep surface trenching.

GEOLOGY

One sample S-228 was cut from trench No. 1 on Block 2. A showing of low grade cinnabar mineralization narrowed at depth and is both

too low grade for ore and too small.

A deep exploration trench on Block 1 in broken silicified limestone and talc, near the southern extremity of the block showed several pieces of float containing cinnabar. The maximum depth of the trench was 5 feet when inspected. Some narrow scattered cinnabar mineralization was exposed in the bottom of the trench.

CHECK SAMPLING (see fig. 1)

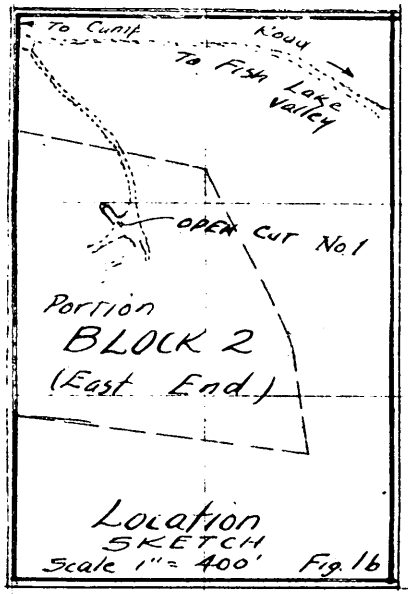
Sample No. S-228 was cut from open cut No. 1 on Block 2 and at a depth of approximately 20 feet below Sample No. S-202. The mineralization was 1 foot in width and length.

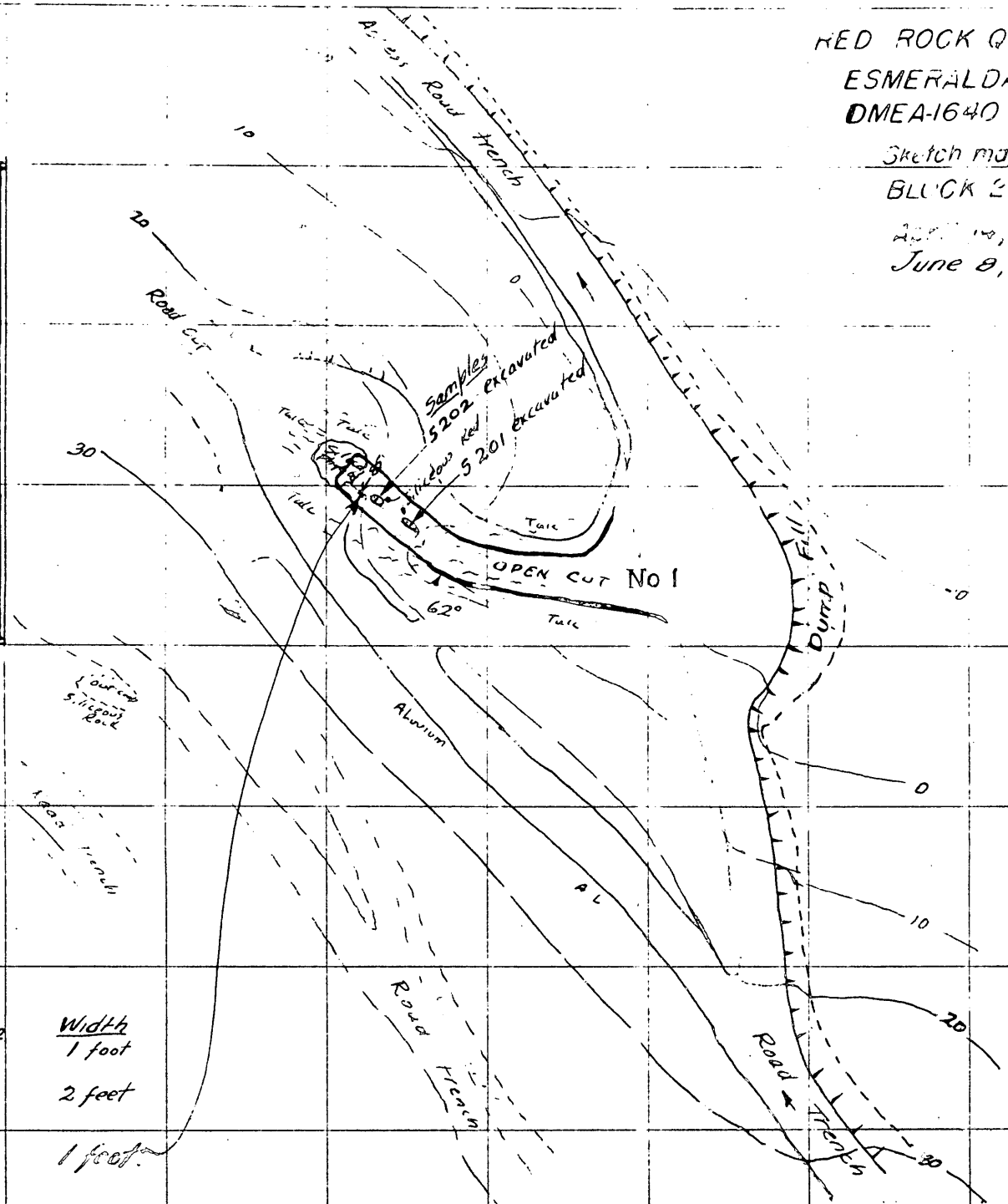
The analyses will be included with the next interim report.

B. H. Sheahan

B. H. Sheahan
Mining Engineer

RED ROCK QUICKSILVER MINE
ESMERALDA COUNTY, NEVADA
DMEA-1640 Contract Idm-E 201
Sketch map of open cut trench
BLOCK 2 - Stage 2 - OPEN CUT
April 10, 1953 By H Sheehan
June 8, 1953





Samples

No.	Lbs. Hg/Ton	Width
5-201	3.2	1 foot
5-202	3.9	2 feet
5-228		1 foot

Figure 1 & 1b.

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.

June 17, 1953

Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
Fish Lake Valley
Tonopah, Nevada

Re: Docket DMEA-1640 (Mercury)
Contract Idm-M007
Red Rock Quicksilver Mine
Esmeralda County, Nevada
Amendment No. 1

Dear Mr. Dunnigan:

Complying with your letter of June 9, 1953, we have drawn up an Amendment No. 1 to subject contract extending the completion date to September 30, 1953.

If you are in accord with the amendment as we have drawn it up, will you kindly sign all of the six copies enclosed, returning the original and four carbon copies to this office, retaining the remaining copy marked "Operator's Copy" for your records.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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MAY 4 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: April 29, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Interim Inspection Report

Attached are four copies of Interim Report on -

Docket DMEA 1640X

Contract Idm-E 207

Commodity Mercury

Operator - Mr. Walter F. Dunnigan, Red Rock Quicksilver Mine c/o Arlemont Ranch, Dyer, Nevada

Property - Red Rock Quicksilver Mine, Esmeralda County, Nevada, mine is located in sec. 18, T. 1 S., R. 34 E., M.D.B.& M.

By B. H. Sheahan, Mining Engineer

Dated April 22, 1953

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

Attachment

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

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

George Mavor

INTERIM REPORT

Docket No.: DMEA-1640X (mercury) April 22, 1953

Name and address of operator: Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
c/o Arlemont Ranch
Dyer, Nev.

Name and location of property: Red Rock Quicksilver Mine, Esmeralda County, Nev. The mine is located in sec. 18, T. 1 S., R. 34 E., M.D.B.&M.

Contract No.: Idm-E207

SUMMARY

The property was inspected by an engineer of the Bureau of Mines on April 13 and 14, 1953. Mr. Walter Dunnigan commenced the second stage of the exploration work on March 9, 1953.

Approximately two tons of 1.0% mercury ore was mined from an open cut on Block 1 while the operator was awaiting approval of the second stage work during the autumn of 1952.

An open cut was recently excavated at Block 2 (see fig. 1), but the cinnabar mineralization is both too low grade and small to constitute ore.

CONCLUSIONS

Deep surface trenching appears encouraging, although there has not been sufficient excavation completed to evaluate the success of this second stage work.

RECOMMENDATIONS

For improvement of operations:

The operator should hire an efficient miner to assist him

on rock breakage, and this recommendation was discussed with the operator.

Changes in project or target: None.

Amendments to contract: None.

STATEMENT OF WORK COMPLETED

The first stage of the exploration work consisting of approximately two miles of trenching was completed in August 1952. Total expenditures were $2,401.88.

The operator mined approximately two tons of 1.0% mercury ore from Block No. 1 while waiting to receive an amendment to his contract which would authorize the substitution of deeper surface trenching for core drilling. Mr. Dunnigan moved from the property on Nov. 1, 1952 and returned to continue exploration work by the amended contract on March 9, 1953.

Exploration work was started on the east end of Block 2 where open cut No. 1 was excavated (see fig. 1). The open cut is approximately 50 feet long, 10 feet wide and averages 12 feet deep.

COMMENTS ON PROGRESS MADE

The deep surface trenching was done efficiently by Mr. Dunnigan. There were no employees. Operating conditions were fairly good. Cold windy weather presented some difficulty. The operators monthly report for March 1953 shows 148 hours of drilling, bulldozing and maintenance labor. Total expenditure for this first month of second stage work was $564.99; while total for contract amounts to $2,966.87.

Geology and cinnabar mineralization encountered at open cut No. 1 on Block 2 is shown on sketch map figure 1. The mineralization is too

low grade and too small for exploitation, however further deep trenching might uncover ore at this cut.

CHECK SAMPLING

Sample No.	Lbs. Hg/ton	Width/Feet	Location
S-201	3.2	1.0	Open cut No. 1
S-202	3.9	2.0	do

OTHER INFORMATION

The operator intends to do annual assessment work at the B & B Quicksilver mine located a few miles north of this property. Other part time work will provide the operator with a small amount of operating capital for his share of expenditures.

The operator intends to continue exploration work by deep trenching at the upper end of Block No. 1 after completing the present trench at Block No. 2. The operator said that he plans to hire one miner to assist him in the exploration work, providing he can obtain an efficient and skilled workman.

B. H. Sheahan
Mining Engineer

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BUREAU OF MINES
REGION III
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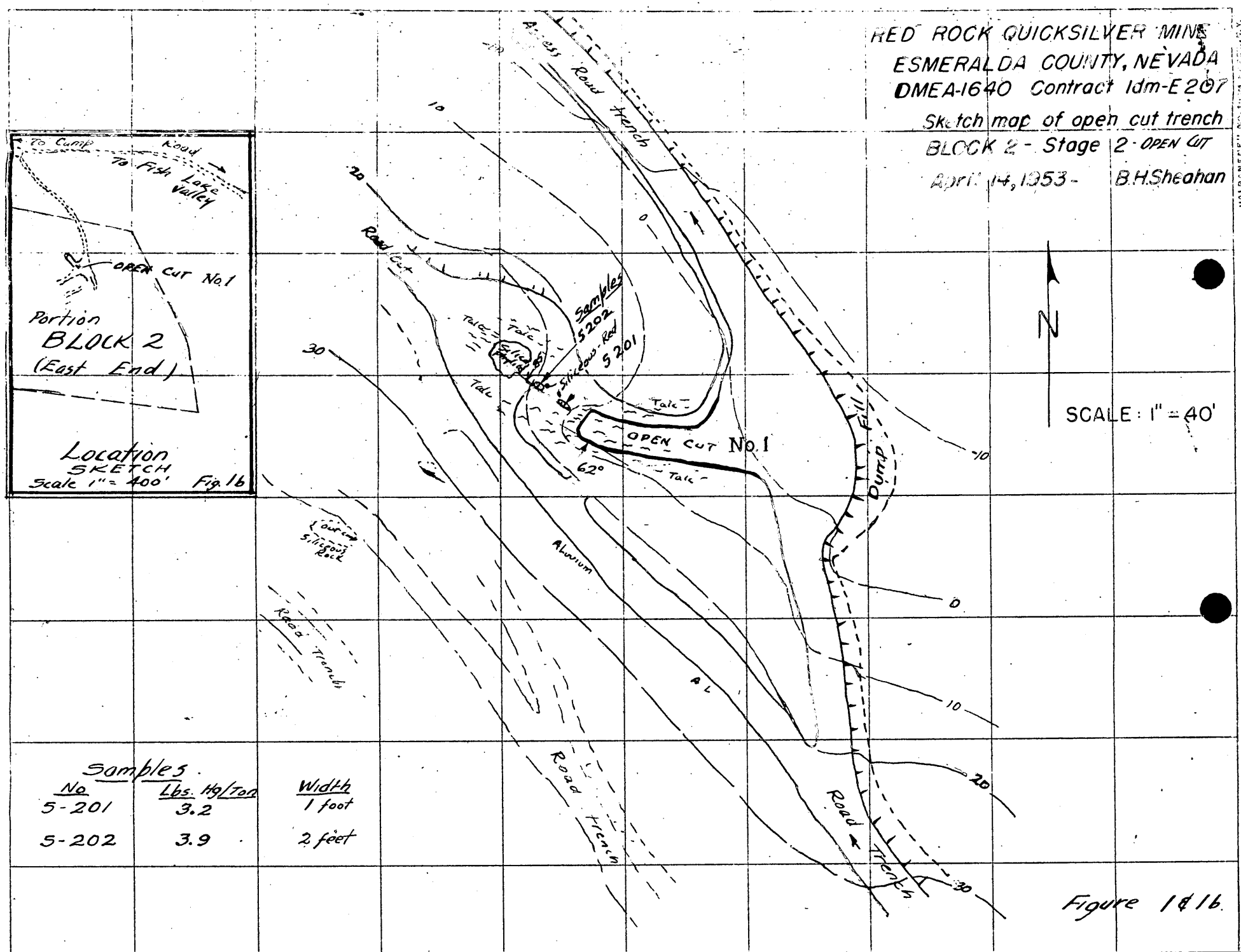
RED ROCK QUICKSILVER MINE
ESMERALDA COUNTY, NEVADA
DMEA-1640 Contract Idm-E207
Sketch map of open cut trench
BLOCK 2 - Stage 2 - OPEN CUT
April 14, 1953 - B.H.Sheahan
SCALE: 1" = 40'
N
To Camp
Road
To Fish Lake Valley
OPEN CUT No.1
Portion
BLOCK 2
(East End)
Location
SKETCH
Scale 1" = 400'
Fig. 1b
Access Road trench
Road Cut
Samples
5202
5201
Silicious Red
Talc
Silicious Rock
OPEN CUT No.1
62°
Dump
Alluvium
Road trench
Road trench
Samples
No
Lbs. Hg/Ton
Width
5-201
3.2
1 foot
5-202
3.9
2 feet
Figure 1 & 1b.

Office of
Executive Officer
DMEA Field Team
Region III

1013 Flood Building
870 Market Street
San Francisco 2, Calif.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 1953

March 31, 1953

Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
Fish Lake Valley
Tonopah, Nevada

Re: Docket DMEA-1540 (Mercury)
Contract Idm-2307 (Amended)
Red Rock Quicksilver Mine
Esmeralda County, Nevada

Dear Mr. Dunnigan:

As was indicated by Mr. A. G. Johnson in his letter to you dated March 26, he has referred your letter of March 24 to this office for reply.

We note in your letter that you are using your car to transport supplies to the mine and would like to know what mileage the Government allows.

Your amended contract dated November 17, 1952, Exhibit "A", page 2, item (E), allows $500.00 for the transportation of supplies. The mode of transportation is not specified. Where passenger cars are used to haul supplies, 7¢ per mile is allowed. On the other hand if you hire a truck to transport the supplies, the cost of such hire is the amount to charge.

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. G. Johnson, Reno

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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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. 12, 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 1640X

Contract Idm-E 207

Commodity Mercury

Operator - Walter F. Dunnigan

Property - Red Rock Quicksilver Mine
Esmeralda County, Nevada

By Benj. H. Sheahan, Mng. Engr.

Dated Nov. 25, 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

INTERIM REPORT

Docket No.: DMEA-1640X (mercury) Nov. 25, 1952

Name and address of operator: Mr. Walter F. Dunnigan
Red Rock Quicksilver mine
c/o Arlemont Ranch
Dyer, Nev.

Name and location of property: Red Rock Quicksilver mine, Esmeralda County, Nev. The mine is located in sec. 18, T. 1 S., R. 34 E., on the eastern slope of the White Mountains at an altitude of 7,000 feet. The property is reached by following Nevada State Highway 3A south from U. S. Highway 6, a distance of 16.4 miles; turn west on gravel road leading to the mine, a distance of 9.2 miles.

Contract No.: Idm-E207

SUMMARY

The property was idle when an engineer of the U. S. Bureau of Mines interviewed Mr. Walter F. Dunnigan on Nov. 21, 1952 at the Arlemont Ranch. The operator moved from the property because of cold winter weather on Nov. 1, 1952. He has obtained employment at the ranch located 10 miles east of the mine in Fish Lake Valley.

The operator plans to resume exploration work when the weather permits and after receiving an amendment to the contract which would consist of deep surface trenching exploration work.

No exploration work was done at the property since the previous inspection on Oct. 20, 1952. The Esmeralda County road department has improved the road from Nevada State Highway 3A to the mine.

The operating season during 1952 was approximately from April 15 to Nov. 1. The operator will be able to do but little exploration work until April 1953.

Benjamin H. Sheahan
Mining Engineer

706 COPY
SURNAME:

Schmidt
Ellis

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

BW.

DEC 1 0 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. DMEA 1640X (Mercury)
Contract No. Idm-E207
Walter F. Dunnigan
Red Rock Quicksilver Mine
Esmeralda County, Nevada

Dear Mr. Miller:

Enclosed is an extra copy of the Amended Contract, dated November 17, 1952, in the above-captioned docket, which you may forward to your field representative.

Sincerely yours,

Ernest Wm. Ellis

(GLA) 12-10-52

ACTING Chairman, Operating Committee

Enclosure

APPROVED:

J. H. Hedges (GLA)
Member, Bureau of Mines

A. R. Kinkel, Jr. (GLA)
Member, Geological Survey

GLAult/gla 12-9-52
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. A.R.Kinkel, Rm. 4234 GSA
EWEllis
Miss H.M.Meyer, Rm. 3623
Region III Field Team

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

Office of
Executive Officer
DMEA Field Team
Region III

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

December 2, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Contract Idm-E207 (Amended)
Docket DMEA-164OX (Mercury)
Walter F. Dunnigan
Red Rock Quicksilver Mine, Esmeralda County, Nevada

Reference is made to Mr. Frank E. Johnson's letter of November 17, transmitting to this office the original and five copies of subject contract.

The contract has been executed on the part of the Operator and one copy retained by him. Proper distribution has been made of the Field Team's and Finance Officer's copies, and the original and two remaining copies are returned herewith.

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

Attachment

Copy to: E. H. Bailey, USGS
George Mavor
A. C. Johnson, Reno (With copy of contract)
Finance Officer, Region III (With copy of contract)

cc 12-8

700
FILE COPY
SURNAME:

Schmidt
J L Kinsman

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

AIRMAIL

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

NOV 17 1952

Re: Docket DMA-1640X (Mercury)
Contract No. Idm-E207
Walter F. Dunnigan
Red Rock Quicksilver Mine
Esmeralda County, Nevada

Dear Mr. Miller:

Enclosed are the original and five copies of the subject Amended Contract which have been signed by the Government. When the original and all copies have been signed by the Operator, the copies marked "Operator's Copy", "Field Team's Copy" and "Finance Officer's Copy" are to be given to the designated parties. The original and the other copies are to be returned to Washington.

The costs estimated in the Amended Contract are in accord with those given by the Applicant dated October 8, 1952, forwarded by your office in letter dated October 15, 1952.

It will be noted that the total estimated cost of Stage II in this Amended Contract, including the added item of Contingencies - $1,005.00, together with the actual cost of the completed Stage I, does not exceed the total of $8,925.00 of the original contract.

FSSchmidt/gla 11--6-52
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. E.T.McKnight, Rm. 4204 GSA
H.M.Meyer, Rm.3623
Mr.Ellis
Mr. Schmidt

Enclosures

Sincerely yours,

FN. 11-17-52

Frank E. Johnson
Chairman, Operating Committee (GMS)

APPROVED:

J. R. Hedges (HB)
Member, Bureau of Mines

E. L. McKnight (GMS)
Member, Geological Survey

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 10 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: Nov. 6, 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 1640X

Contract Idn-E 207

Commodity Mercury

Operator - Walter F. Dunnigan
Dyer, Nevada

Property - Red Rock Quicksilver Mine
Esmeralda County, Nevada

By Benj. H. Sheahan, Mining Engr., Region III

Dated October 31, 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
NOV 10 1952

INTERIM REPORT

Docket No.: DMEA-1640X (mercury) October 31, 1952

Name and address of operator ; Mr. Walter F. Dunnigan
Red Rock Quicksilver mine
Dyer, Nev.

Name and location of property: Red Rock Quicksilver Mine, Esmeralda County, Nevada. The mine is located in sec. 18, T. 1 S., R. 34 E., on the eastern slope of the White Mountains at an altitude of 7000 feet. The property is reached by following Nevada State Highway south from U. S. Highway 6, a distance of 16.4 miles; turn west on gravel road leading to mine, a distance of 9.2 miles.

Contract No.: Idm-E207

SUMMARY

The property was inspected by an engineer of the U. S. Bureau of Mines on October 20, 1952.

Mr. Dunnigan the operator was not at the mine at time of the inspection, and has been waiting to receive approval of a requested amendment to the contract. The requested amendment was to substitute deeper surface trenching for diamond drilling on the second stage of the exploration work.

A small amount of exploration work was done by the operator on his own account. A trench on Block 1 was excavated to a maximum depth of 12 feet, and showed cinnabar mineralization in silicified limestone but no ore.

All of the operators equipment appeared to be in good operating condition.

Benjamin H. Sheahan

Benjamin H. Sheahan
Mining Engineer

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1952 NOV 6 AM 8:3

SAN FRANCISCO, CALIFORNIA

FILE COPY
140 RNAME:

AEKane

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

November 3, 1952

n.s. in R. & R.

Memorandum

To: Administrator

Through: E. W. Ellis

From: Chief Counsel

Re: Walter F. Dunnigan, Docket No. DMEA-1640

There is attached, in satisfactory legal form for execution, an amended contract covering the above-described project, subject to attachment of the maps therein referred to.

Signed
J. L. Hofflund
Chief Counsel

Attachments

AEKane/mef
cc: Mails & Files
J.L. Hofflund
A. E. Kane
E, W. Ellis
Chron.

10/28/52 gla

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 28 1952

DNS

379 WA SFS /I-BOM/

SAN FRANCISCO CALIF 10-27-52 346P

DEFENSE MINERALS EXPLORATION ADMN

ATTN-- MR SCHMIDT INTERIOR BLDG WA

RE DOCKET DMEA 1640X RED ROCK QUICKSILVER MINE CONTRACT E-207. TOTAL AMOUNT OF CONTRACT $8925. STAGE I COST $2401.88 OF WHICH AMOUNT 75 PERCENT OR $1801.42 WA SPAID APPLICANT. LAST VOUCHER PASSED WAS FOR AUGUST WHEN STAGE I WAS COMPLETED. ESTIMATE COST OF STADGE 2 $5700.

H C MILLER EXEC OFCR DMEA FIELD TEAM REG III

DMEA 1640X E-207 $8925 $2401.88 75 $1801.42 2 $5700 ALSO I I

VD 350PM

8,925.00 Total Contract
2401.88 Stage 1
6,523 12 avail. for Stage 2
5,700.00 Est Stage 2

OCT 28 2 42 PM '52
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

10/26/52
Dunnigan DMA 1640 X

Fone to Miller;

I want to know how much money has been spend on the first Stage in order to make sure tht there is enough left for the second stage as we have it figured out and also to alow some contingencies. On this job they will need contingencies because it is not a definite amount of units of work that can be estimated.

I asked Miller to provide me with the fogiurs of costs to data at the end of Stage i and told him stage 2 woule cost 5,700 It being understood that I would add some contingency if there was slack available between the cost of stage 1 and the totql cost of contract.

Wat until we get figures of cost of Stage 1 then proceed with the contra
the legal has been written up already Annex I

Read wire 10/29/52

10/23/52 gla

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 15, 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-1640X (Mercury), Contract Idm-E207, Red Rock Quicksilver Mine, Esmeralda County, Nevada

Reference is made to my memorandum to you, dated September 11, concerning request for an amendment to the subject contract, and to Mr. Schmidt's telephone call on September 18 for additional information.

After considerable correspondence with the applicant, Mr. Bailey of the Geological Survey has received a letter from Mr. Dunnigan, dated October 8, 1952, to which he attached a revised cost estimate for carrying out Stage II as he would like to carry out the work. Four copies of the letter and cost statement are attached.

Note that depreciation for the compressor, valued at $1,000 is given as $17.00 a month, whereas it should be $16.67. Also, the depreciation for the hoe attachment, reported as $6.50 should be $6.67.

I trust that this information will enable you to prepare the requested amendment.

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

Attachment

Copy to E. H. Bailey, USGS

Case 10-21

RED ROCK QUICKSILVER MINE

Dyer, Nevada

C
O
P
Y

October 8, 1952

Mr. E. H. Bailey
Geological Survey
San Francisco, Calif.

Docket DMA 1640x Mercury
Contract No. Idm-E207

Dear Sir:

I am in receipt of your letter advising me that there is a set rule that you cannot allow me rent for my bulldozer on my contract.* That being the case there is no use of me insisting that that is the way I want to be paid. So I am enclosing another revised estimate of the cost for Stage No. 2. I hope they can be accepted by the government so that I may resume work without much further delay. If however, you find that these estimates are not acceptable I would suggest that you make out an estimate down there and I will see if I can get by on it. I am sure that you will take into consideration all the different things that have to be paid for that were not included in any bills I sent in on the first stage of this work.

I am including costs of trips to town for supplies and any repair parts needed. Also rent on welding machines and welding supplies. I do not own this machine so have to pay rent when ever I use it. These were the two principle items that I have never been paid for. I can do all the welding myself and have saved a considerable amount of money on repairs as taking this type of work to a shop in town is pretty expensive.

These new estimates are still under the amount of the balance of the original contract so I hope the way will be clear now to give me an O.K. on these.

Yours truly,

/s/ W. F. Dunnigan

* See Dunnigan letter 8/15 demanding rental @ $8/hr instead of depreciation. He owns the Bulldozer

Exploration Contract No. Idm-E207

Revised estimate of Costs for Stage 2

5000.00.

LABOR*

Bulldozing	240 Hours at $2.00	$ 480.00	
Drilling	640 " " 1.75	1,120.00	
Maintenance	80 " " 1.50	120.00	
		5720	1,720-

DEPRECIATION

	Value			
Bulldozer	$4,000.00	66.67 $67.00 per mo.	335.00	333.35
Compressor	1,000.00	~~17.00~~ 16.67	85.00	83.35
Jackhammer & accessories	300.00	5.00 " "	25.00	26.00
Hoe attachment to Dozer	400.00	~~6.50~~ @ 6.7	32.50	32.35
			477.50	475.05

4,775.05

SUPPLIES TO BE PURCHASED

Diesel oil and Lubrication for Dozer	150.00	
Gasoline and Lubrication for Compressor & Hammer	500.00	
Repair parts for Bulldozer and Hoe Attachment (contingencies)	600.00	
Repair parts for Compressor and Hammer	200.00	
Explosives	1,200.00	
Drill Steel	150.00	
	2,800	2,800-

MISCELLANEOUS

Cost of transporting supplies and repair parts	500.00	
Rent of welders and welding supplies	150.00	
Assaying	50.00	700.00
Total	$5,697.50	5,695.05

*Rate for wages based on figures obtained from Employment Office.

Cell 5,700.00

Entire contract 8,925.00
Stage II 5,700.00
max for Stage I 3,225

(carbon copy used because of notations-ism)

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 3 1952

Office of
Executive Officer
DMEA Field Team
Region III

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

Date: September 29, 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 1640X

Contract Idm-E 207

Commodity Mercury

Operator - Red Rock Quicksilver Mine (Walter F. Dunnigan)

Property - Esmeralda County, Nevada

By Benjamin H. Sheahan

Dated September 23, 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
OCT 3 1952

INTERIM REPORT

Docket No.: DMA-1640X (mercury) September 23, 1952

Name and address of operator: Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Name and location of property: Red Rock Quicksilver Mine, Esmeralda County, Nev. The mine is located in sec. 18, T. 1 S., R. 34 E., on the eastern slope of the White Mountains at an altitude of 7,000 feet. The property is reached by following Nevada State Highway south from U.S. Highway 6 a distance of 16.4 miles, turn west on gravel road leading to mine, a distance of 9.2 miles.

Contract No.: Idm-E207

SUMMARY

The property was inspected by engineers[1] of the U. S. Bureau of Mines on September 15, 1952.

The operator has completed the first stage of the exploration work as mentioned in the previous inspection report. He was not at the property at the time of the recent inspection and is apparently waiting to receive approval of a requested amendment to the contract to allow him to substitute deeper surface trenching for diamond drilling on the second stage of the exploration work.

A trench observed near the center of Block 1, where recent exploration work has been done, showed an improvement in the cinnabar mineralization occurrence in rubbly silicified limestone.

All of the operators equipment appeared to be in good operating condition.

Benjamin H. Sheahan
Mining Engineer

1/ Benjamin H. Sheahan and Henry W. Jones.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 3 1952

INTERIM REPORT

Docket No.: DMA-1640X (marcury) September 25, 1952

Name and address of operator: Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Name and location of property: Red Rock Quicksilver Mine, Esmeralda County, Nev. The mine is located in sec. 18, T. 1 S., R. 34 E., on the eastern slope of the White Mountains at an altitude of 7,000 feet. The property is reached by following Nevada State Highway south from U.S. Highway 6 a distance of 16.4 miles, turn west on gravel road leading to mine, a distance of 9.2 miles.

Contract No.: Idm-2207

SUMMARY

The property was inspected by engineers[1] of the U. S. Bureau of Mines on September 15, 1952.

The operator has completed the first stage of the exploration work as mentioned in the previous inspection report. He was not at the property at the time of the recent inspection and is apparently waiting to receive approval of a requested amendment to the contract to allow him to substitute deeper surface trenching for diamond drilling on the second stage of the exploration work.

A trench observed near the center of Block 1, where recent exploration work has been done, showed an improvement in the cinnabar mineralization occurrence in rubbly silicified limestone.

All of the operator's equipment appeared to be in good operating condition.

Benjamin H. Sheahan
Benjamin H. Sheahan
Mining Engineer

1/ Benjamin H. Sheahan and Henry W. Jones.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

Office of
Executive Officer
DMEA Field Team
Region III

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

September 19, 1952

Mr. W. F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Re: Docket DMA 1640I (Mercury)
Exploration Project Contract
Idm-E207
Red Rock Quicksilver Mine
Esmeralda County, Nevada

Dear Mr. Dunnigan:

The Washington Office of the Defense Minerals Exploration Administration called me long distance yesterday, concerning certain items in connection with your application for an amendment to your contract, permitting you to substitute surface trenching for diamond drilling of your property.

The Washington Office cannot understand why you wish to rent a bulldozer when you already have one. It is realised that your bulldozer might break down but no amendment can be drawn on something that is only likely to occur. To take care of possible repairs needed for the bulldozer, the Washington Office is willing to allow, say, $600 for contingencies which it seems to us is very liberal and should take care of bulldozer breakdowns and other contingency items. For our information, can you give us any idea of the cost of operating a bulldozer?

Based on your present contract, the Washington Office has in mind the following breakdown of costs for doing the proposed new work:

<u>Equipment to be furnished by the Operator on a depreciation basis -</u>

1 - D4 Tractor with new Kay Brunner hydraulic angle dozer - Value $4,000 - Monthly allowance $67.00 - six months	$ 402.00
1 - 140 cfm G-D portable compressor - Value $1,000 - Monthly allowance $17.00 - six months	102.00
1 - Jackhammer - Value ? , Monthly allowance 1/60 of value = $? , - six months	?

Supplies to be purchased -

Gasoline and lubricating oil for bulldozer and compressor	$ 500.00
Explosives	1200.00
Drill Steel	150.00

Labor -

1 - Bulldozer and jackhammer operator 840 hours at $1.62-1/2	1365.00

Miscellaneous

Assaying	350.00
Accounting and engineering	400.00
Contingencies	600.00

With reference to the jackhammer, kindly let us know if you own one, plan to rent one, or intend to buy a new or used one. If you intend to use a jackhammer you already own, then we must know its value, so that we can calculate the monthly depreciation allowance, which is based on one-sixtieth of its value. If you plan to rent a jackhammer, you should let us know the monthly rate of rental. On the other hand, if you intend to purchase a jackhammer, you should let us know if a new or used one is to be purchased and its cost.

On the basis of the suggested costs given above, the contemplated work will cost approximately $5100. We believe that that cost is plenty high and that six months is a very generous period of time in which to do the work. We are wondering if four months is not long enough - this would cut down the cost materially.

If the cost of the new work is in the neighborhood of, say, $4500 to $5100, is there that much money left under the contract that has not been obligated by you?

Kindly let us have an early reply so that we may transmit the information to Washington without undue delay.

Sincerely yours,

H. C. MILLER

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

Copy to DMEA, Interior Bldg., Wash.,DC
E. H. Bailey, USGS
A. C. Johnson, Reno, Nevada

Tour to Miller 1/4 = 5.800

9/18 Re following information

Bulldozer — We are not hiring a bulldozer

at $8.00 per hour for a D 4

and then also paying for gas and oil in addition.

He owns a D4 and in his present contract shows it to be worth $4,000 with monthly

rental of 67.00

~~This~~ He wants to figure the $8.00 per hour becaus his own may break down and

necessitate hiring another outfit.

Figure the cost of ~~rental and by~~ depreciation, and the labor of the driver

~~and the gas ane oil as he has and get a cost of operating this bulldozer~~

~~itemizing the costs.~~

We can take care of breakdown by contingencies which ai am willing to allow at $600

~~$1,000~~

but I am not willing to figure the whol job at the $8.00 an hour rate since the

first stge of the contra t was fi ured on the same bulldozer

~~He owns the compressor and the charge on that is 17.00 monthly for depreciation~~

~~He can charge repairs a d he has already taken care of the gas and oil under~~

~~supplies.~~

Jack hammer and maintenance and repairs. what is this does he buy a second hand

jack hammer or does he own one and want to depreciate it. You cannot mix the jack hammer

cost and the mainenancd and repairs

The depreciation of $8 per month indicates a value of 480.00 cannot reconcile

this 480 wth the 200. ~~Pxxxxxxxxxxxxxxxx~~

He must have had 240 hours of tractor operator under jack hammer labor

Lets have labor on the tractor and the jackjammer and superintendence

Contingency Extend contract to 5/30/53

Is the money in stage 1 exhausted

& will it be — Total 8.9 = 5 This 2nd stage

~~Well~~ This 2nd stage is 6 on 9.

9/24/52 [illegible]

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, California

September 15, 1952

Mr. W. F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Re: Docket DMA 164OX (Mercury)
Exploration Project Contract
Idm-E207
Red Rock Quicksilver Mine
Dyer, Nevada

Dear Mr. Dunnigan

This is to inform you that the matter of amending your contract to substitute deeper trenching for diamond drilling of your property has been referred to the Washington Office of the Defense Minerals Exploration Administration. This step was necessary as my authority to amend contracts does not cover those instances where radical change in procedure is involved.

We will let you know the outcome of your request as soon as we hear from the Washington Office.

Sincerely yours,

H. C. MILLER

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

Copy to: E. H. Bailey
A. C. Johnson
DMEA (2)

9/16/52 gla

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

SEP 15 1952

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, California

September 11, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-1640x (Mercury)
Exploration Project Contract Idm-E207
Red Rock Quicksilver Mine, Dyer, Nevada

Mr. W. F. Dunnigan, operator of the Red Rock Quicksilver Mine, Dyer, Nevada, has completed Stage I of his contract and is now awaiting our approval to proceed with the next stage of exploration.

According to the contract, Stage II consists of drilling a limited number of diamond drill holes aggregating not more than 1,200 feet to a maximum depth of 150 feet to test any favorable showing discovered in Stage I. However, due to the fractured condition of the rocks, Benjamin H. Sheahan, Mining Engineer, Bureau of Mines, advises against diamond drilling and recommends deeper surface trenching (see Interim Report, Fourth, dated September 2, 1952). Mr. Dunnigan, therefore, has requested an amendment to his contract to permit substituting deeper surface trenching for the diamond drilling specified under Stage II of the contract. A copy of Mr. Dunnigan's request, dated August 15, 1952, is attached. The sketch map referred to by Mr. Dunnigan is not being sent to you as all the information thereon has been put on the larger enclosed map by Mr. E. H. Bailey of the Geological Survey.

As the matter of whether or not to grant the request for an amendment or to compel the operator to carry out Stage II as specified in the contract seemed to be dependent upon the geology of the area as revealed by work done under Stage I, Mr. Bailey and Earl H. Pampeyan of the Survey visited the property late in August and a copy of Mr. Bailey's memorandum report to me, dated September 8, 1952, is attached.

You will note that Mr. Bailey also does not recommend diamond drilling and gives three reasons for advising against it.

As my authority to amend contracts does not cover instances where radical changes in procedure are involved, the request for the amendment is being referred to you. In preparing the amendment, consideration also should be given to the last paragraph of Mr. Bailey's memorandum. As is brought out by Mr. Bailey, the total cost of the work should be $6,049 and not $6,439 as Mr. Dunnigan has estimated. The difference is due to the fact that his item - Bulldozer and Scraper--240 hours at $8.00--includes the wages of the operator at $1.625 per hour and, therefore, the item - Jackhammer operator--840 hours at $1.625 per hour--should be reduced by 240 hours at $1.625 per hour, or by $390.00.

In drawing up the amendment, it might be well at the same time to extend the contract to June 30, 1953, as suggested by Mr. Dunnigan in the last paragraph of the first page of his August 15 letter to me.

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

Attachments

Copy to A. C. Johnson
E. H. Bailey

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

102 Old Mint Building
San Francisco 3, California

C
O
P
Y

September 8, 1952

Memorandum

To: H. C. Miller

From: E. H. Bailey

Subject: Request for amendment to Idm-E-207, Red Rock Quicksilver, Esmeralda County, Nevada

The Red Rock Quicksilver mine was visited on August by Earl H. Pampeyan and myself to evaluate the results of Stage I of contract Idm E207 and discuss the applicants request to change Stage II from drilling to surface trenching. The following will indicate why I feel the applicant's request, with minor modification, should be granted.

Mr. Dunnigan appears to have done a generous amount of work with the funds provided in Stage I, has used good judgement as to where to concentrate his efforts, and has found three new occurrences of cinnabar on each of the two blocks. Diamond drilling in Stage II is not recommended because:

(1) The geology is too obscure to permit estimates of drill targets.

(2) The rocks consist of "talc" and a rubbly silicified limestone in which diamond drilling will be difficult and core recovery very low.

(3) The cost of getting a rig in for the small amount of drilling will be excessive.

Mr. Dunnigan proposes to put in trenches about 12 feet deep in each of the six areas where cinnabar has been discovered at a cost of $6,439.00. The showings at locality 3, block 2, are close to a small stope and further trenching here is not warranted. The trenching in the other five places is believed to be warranted but the footage and depths given by Mr. Dunnigan should be modified to agree with the accompanying map.

The cost estimate given by Mr. Dunnigan should be modified under "Labor" to read 600 hours at 1.62-1/2 per hour rather than 840 hours; this makes the new figure for labor $975.00 rather than $1,365.00 and the total cost of the project $6,049.00 rather than $6,439.00. While I have recommended a little less work than requested by Mr. Dunnigan I feel the cost estimates should remain the same except for the change noted above. The trenches will require drilling and blasting as well as bulldozing because of the hard ground, and the request for funds for this hard rock work appear justified.

/s/ Edgar H. Bailey

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 9 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: September 5, 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 1640X

Contract Idm-E 207

Commodity Mercury

Operator - Red Rock Quicksilver Mine
(Walter F. Dunnigan)

Property - Esmeralda County, Nevada

By Benjamin H. Sheahan

Dated September 2, 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
SEP 9 1952

INTERIM REPORT
Fourth

September 2, 1952

Docket No. DMA-1640X (mercury)

Name and address of Operator: Mr. Walter F. Dunnigan, operator
Red Rock Quicksilver Mine
Dyer, Nevada

Name and location of property: Red Rock Quicksilver Mine, Esmeralda County, Nev. The mine is located in sec. 18, T. 1 S., R. 34 E., on the eastern slope of the White Mountains at an altitude of 7,000 feet. The property is reached by following Nevada state highway south from U. S. Highway 6 a distance of 16.4 miles, turn west on gravel road leading to mine a distance of 9.2 miles.

Contract No. Idm-E207

Summary:

Mr. Walter F. Dunnigan commenced surface trenching on the first stage of the contract in December 1951. The work was suspended because of heavy winter snows and was restarted the following April. The first stage of the work was completed during the early part of August 1952. More than two miles of trenching have been done entirely by the operator on Blocks 1 and 2.

No ore has been found on the property although several occurrences of cinnabar have been discovered by the trenching operation. In most cases the rock containing traces of cinnabar mineralization is fractured. Such rock is not suited to core drill as suggested in the second stage of the contract.

Recommendations and conclusions:

1. Core drilling exploration work is not advised because of the fractured condition of the rock.

2. Deeper surface trenching is recommended, at locations shown on attached sketch map.

Statement of work completed:

The first stage of the work is now completed. This work as stated in the contract consists of trenching the surface to expose bedrock on two blocks of ground adjoining the east and west side of the Red Rock Quicksilver mine. The operator explored zones of alteration showing some traces of cinnabar.

Approximately two miles of trenching has been done on the property by the stripping operation. The width and depth of these trenches vary, but would average about 10 feet in width and 3 feet in depth.

Comments on progress made:

All of the exploration work has been done by the operator and no workmen have been hired. The operator has conducted an efficient exploration program on the first phase of the work.

Every exposure that might possibly contain cinnabar has been carefully planned by the operator. Practically all of the rock exposed by trenching was found to be fractured and not suited for the application of core drilling as outlined by the second stage of the contract work.

The operator, Mr. W. F. Dunnigan, applied for an amendment to the contract on Aug. 15, 1952, to substitute large open cut trenches for diamond drilling. The requested amendment was denied by Mr. H. C. Miller, Regional Director, who recommended that a geologist reexamine the blocks of ground being explored.

No ore has been found to date, although a few occurrences of cinnabar have been found on both Block 1 and Block 2. These occurrences containing some cinnabar are a few inches in width and length (see sketch map).

Results of check sampling and assaying:

A check sample taken by the engineer at an occurrence of cinnabar mineralization on Block 2 assayed 22% mercury. This sample was a selected specimen taken to show that some cinnabar was discovered. There is no tonnage of this mineralization.

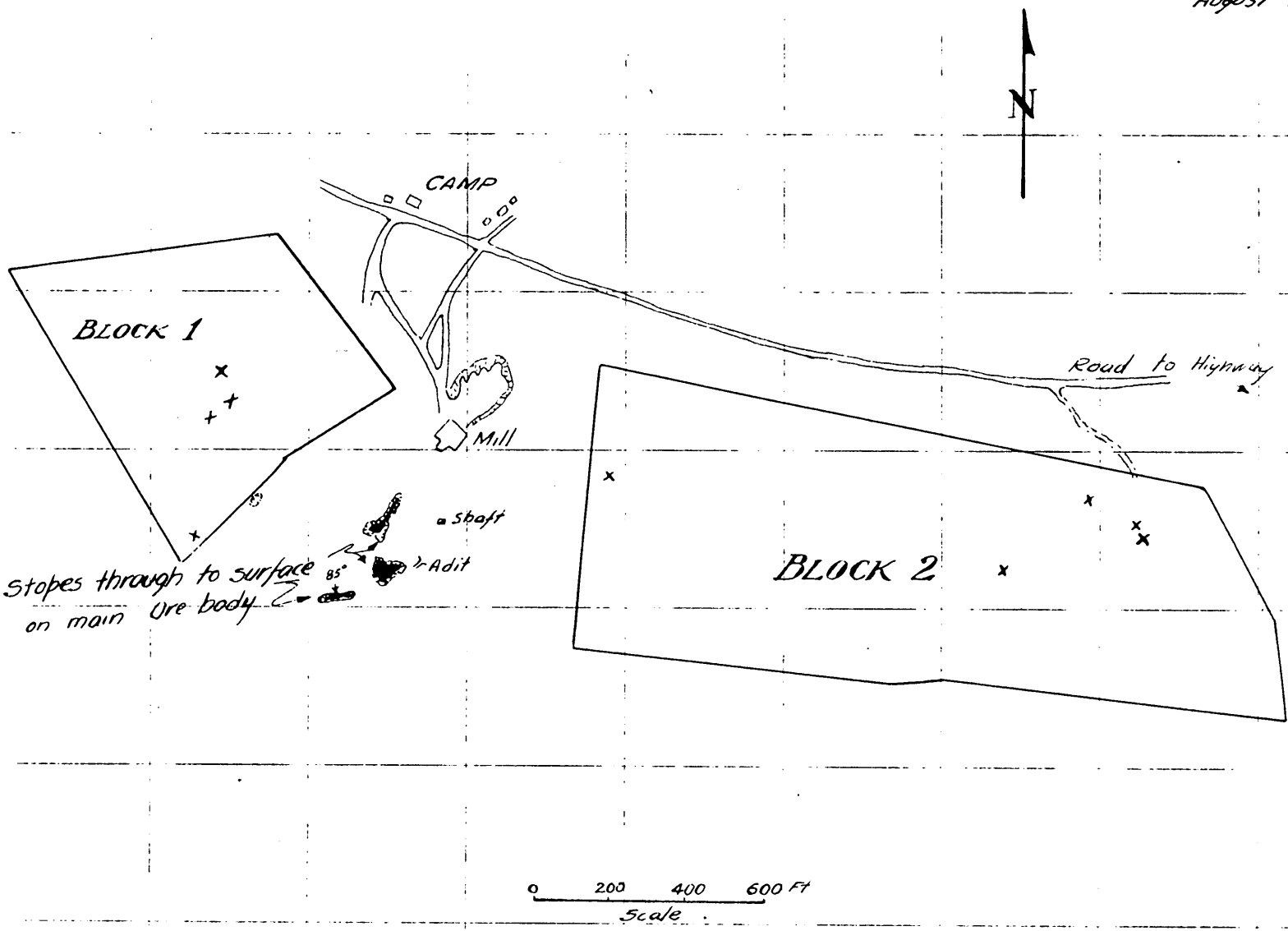
Other information:

The operator has constructed a scraper which he has used on his D-4 bulldozer in place of the usual blade. This device is used similar to an ordinary slusher and is well adapted for surface trenching.

The operator has made several inquiries regarding the delivery date of a core drill and found that several weeks would be required to obtain one in the price range outlined by the contract.

Benjamin H. Shahan

Red Rock Quicksilver, Esmeralda Co. Nevada
sketch Map showing Blocks 1 & 2 of
Idm E 207 contract and
the cinnabar occurances exposed by Stage 1. x
August 1952



9/2/52 gla fae

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
AUG 29 1952

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.

August 25, 1952

Mr. W. F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Re: Docket DMA 1640X (Mercury)
Exploration Project Contract
Idm-E207
Red Rock Quicksilver Mine
Esmeralda County, Nevada

Dear Mr. Dunnigan:

Your letter of August 15, requesting an amendment to your contract is acknowledged. We note that you have completed Stage I, consisting of bulldozer trenching and now desire to have the contract amended to permit you to substitute surface trenching (removal of approximately 3000 cubic yards of material) for the diamond drilling called for in the second stage of your contract. Inasmuch as the purpose of exploration loans is to explore for ore and not to prepare a deposit for subsequent mining, your application for an amendment must be denied. We feel that enough surface work has been done to explore the surface and that any subsequent exploration should be directed toward determining the grade and extent of the ore body. If, as you seem to believe, core recovery by diamond drilling will be inadequate, some other method for carrying out the intent of Stage II of your contract will be given consideration upon request.

In any event, before any work is started, even if the work follows that proposed for Stage II of your contract, Government approval must first be obtained as is stated under Stage II of Exhibit "A" of the contract. A U. S. Geological Survey geologist will visit your property shortly to determine if the results of work done under Stage I warrant going into Stage II work. At that time the number, location, latitude and length of drill holes or other means which you might have in mind for exploring your deposit adit will receive his studied consideration.

An amendment extending the time of completion of your contract will be given consideration when it is determined whether Stage II or some modification of it is to be carried out.

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

Sincerely yours,

H. C. MILLER

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

RED ROCK QUICKSILVER MINE

DYER, NEVADA

August 15, 1952.

COPY

Mr. H.C. Miller
Executive Officer
DMEA Field Team, Region III
San Francisco, Calif.

Docket 1640x
Idm E-207

Dear Sir:

I am writing to request an amendment to my Contract No. Idm-E207. It is felt by the inspecting Engineer and myself that it would be nearly impossible to make an adequate core recovery by diamond drilling as the formation uncovered on both Blocks 1 and 2 have been found to be in most part very fractured.

Stage 1 has been completed and cinnabar occurances have been found at several locations on both blocks. I would like to request that surface trenches be substituted for diamond drilling in the second stage of the contract.

Six large open cut trenches as shown on the attached sketch map would cut the best showings of mineralisation that have been uncovered by the first stage of the contract work. Approximately 3000 cubic yards of material would be excavated. Upon completion of this proposed work I could more readily convert my operations from exploration to mining.

The proposed work would not require any appreciable cost of new equipment as I have an attachment for the bulldozer which I designate as a scraper that makes it possible to cut deep trenches. But to use this scraper the rocks and hard formation has to be drilled and blasted. All costs as outlined would not exceed that already allowed for the diamond drilling of the second stage, plus whatever is left over from the allowance for the completed stage 1. There would also be considerable delay if a diamond drill were to be purchased as time has to be allowed for delivery.

I would also like to request an extention of time as stage 1 took much longer to complete due to our severe winter last year. There is about 2 months left on the original contract and I believe it will be necessary to have an additional 4 months working time. Owing to the fact that it is impossible to work here during the winter months this would necessitate extending the contract until June 30, 1953.

RED ROCK QUICKSILVER MINE

DYER, NEVADA

I am attaching an outline of the approximate cost of the proposed work. You will note that I am figuring the cost of the bulldozer on an hourly rental basis. I am doing this in case my machine broke down and I had to hire outside equipment.

I will appreciate your earliest consideration of this matter.

Yours truly,

/s/ W. F. Dunnigan

W.F. Dunnigan

C
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P
Y

RED ROCK QUICKSILVER MINE

DYER, NEVADA

Idm E-207

Estimated costs for proposed change in program of stage 2.

Equipment:			
Bulldozer and Scraper	240 hours at $8.00		$ 1 920.00
Compressor:	Maintenance & repairs 102 da. at $2.00		204.00
	Depreciation $17.00 per Mo. 6 mo.		102.00
Jackhammer & accessories	Maintenance & repairs		200.00
	Depreciation $8.00 per mo.		48.00
Supplies:			
Explosives		$1 200.00	
Gasoline & Lub. oil		500.00	
Drill Steel		150.00	1 850.00
Labor:			
Jackhammer operator	840 hours & $1.62-1/2 per hour		1 365.00
Assaying and sampling			350.00
Miscl: Accounting & Engineering			400.00
		Total	$ 6 439.00

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.

August 1, 1952

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 1640 (Mercury), Red Rock Quicksilver Mine, Exploration Project Contract Idm-E207 - Inspection Reports

Attached are four copies of subject inspection report, dated July 22, 1952 by Benjamin H. Sheahan.

This inspection was finished prior to receipt of Memorandum No. 9, dated July 15, 1952, from Mr. G. C. Selfridge of the Washington DMEA Office. On future inspections and reports instructions given in that memorandum will be followed.

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

Attachment

Copy to E. H. Bailey, USGS (with copy of report)

A. C. Johnson, Chief, Mining Division, Reg. III July 22, 1952

Benjamin H. Sheahan, Mining Engineer, U. S. Bureau of Mines, Reg. III

Red Rock Quicksilver Mine, Esmeralda County, Nev. Contract Idm-R207

Third Inspection Report

The property was inspected on July 15 and 16, 1952. The engineer was accompanied by Mr. Dunnigan.

A. Exploration (Stage I)

The operator has practically completed the stripping operation on Block 2. Stripping operations were started on Block 1 during the latter part of June.

B. Buildings and fixtures: (not applicable)

C. Operating equipment:

The D-4 bulldozer owned and operated by Mr. Dunnigan has been the main piece of operating equipment used on the exploration work. A few repairs to this machine will be required at the completion of the first stage of the contract and this repair work is allowed by the statement of the work in the contract.

D. Labor and supervision:

Mr. Dunnigan and wife have done practically all of the work.

E. Rehabilitation and repairs:

The only repairs necessary have been done on the wearing parts of the dozer. Mr. Dunnigan is a skilled mechanic and has done almost all of the repair work.

F. General performance:

The first stage of the work which includes trenching is nearing completion. The operator anticipates completing the first stage about mid-August.

G. & H. Geologic and ore data:

No ore has been found to date. The operator has discovered cinnabar at three locations on Block 2 and has stripped two locations on Block 1 that shows traces of cinnabar. The operator has carefully examined and panned the trenched outcrops for cinnabar.

I. **General:**

The second stage of the work includes diamond drilling as outlined by the contract. The occurrences of cinnabar mineralization which have been exposed by the first stage of the work warrant further exploration work. This work could be done by open cut exploration work, although core drilling is preferred by the operator, and is included with the contract.

Benjamin H. Sheahan

Benjamin H. Sheahan

For distribution

OFFICE OF THE ADMINISTRATOR

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

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

Office of
Executive Officer
DMEA Field Team
Region III

December 6, 1951

Memorandum

To: C. O. Mittendorf, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMA-1640X, Mercury - Exploration Project Contract Idm-E207, W. F. Dunnigan, Red Rock Quicksilver Mine, Dyer, Nevada

Attached are the original and three copies of subject exploration project contract dated November 9, 1951.

Mr. Dunnigan signed the six copies that I submitted to him. He retained one copy; another copy has been placed in our files. We shall expect our finance officer's copy from you shortly.

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

Attached

Copy to Edgar H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 12 1951

FILE
SUF

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

AIR MAIL

NOV 1 5 1951

Selfridge
Johnson

Mr. H. C. Miller
Executive Officer, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMA-1640X, Mercury
. F. Dunnigan
Red Rock Quicksilver Mine
Exploration Contract Idm-1207

Dear Mr. Miller:

We are enclosing the original and five copies of the above referenced exploration contract signed by this office for the Government, together with Exhibit "A" (3 pages) and one map.

If the terms and conditions of this contract are approved by the Operator, all six copies should be sign by him. One copy is to be given to the Operator, one copy retained by your office and the original and three copies returned to this office.

If any part of this contract does not have the approval of the Operator, the original and all copies of the contract are to be returned to this office together with the proposed changes for consideration.

Please note that the following major change has been made in the contract as originally outlined:

1. Depreciation rather than rental has been allowed on the equipment to be furnished by the Operator and provision made for repair and maintenance.

The above change has reduced the estimated cost of the project from $10,940.00 to $8,925.00

11/27

Sincerely yours,

(signed) FRANK E. JOHNSON (fw)
Acting Director
Production Expansion Division

Enclosures
APPROVED
(signed) FRANK E. JOHNSON

Chairman, Coordinating Committee

Member, Bureau of Mines

Member, Geological Survey

GCSelfridge/jem 11-9-51
cc to: Adm. Reading File
Reports & Records
Messrs. Mittendorf, Olund
Bourret
Meyer
McKnight
Moon
Selfridge

Field Team, Region III
Docket

Mr Mitteudorf — sign as chairman Exp. ~~Coordinator~~

Note: under last criterion of stage II, drilling apparently will have to continue into barren rock while the last one ~~[illegible]~~ from the hole is assayed; otherwise how can assays "be submitted concurrently with completion of individual holes"?

Assays come in twice under supplies to be purchased (p.2) What lubricants are necessary for assays?

On the premise that an intelligent Executive Officer can figure out the necessary interpretation or amendments, we have signed this one, although it could be improved

TPT

FBM

1. recommended to persuade that log and assays be submitted on completion of hole or within a reasonable time thereafter and not at end of project.

2. Assay, the depending and assay of drill holes, seems probably not to be down in field data as it is to be carried out.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

FILE
140
Su
Dis
Guthrie

Catherine

November 7, 1951

Memorandum

To: Director, Production Expansion Division

From: General Counsel

Subject: W. F. Dunnigan exploration contract -- Docket No. DnA-1640X

The proposed exploration contract in this case, submitted to us on November 6, 1951, is approved as to legal form and sufficiency for signature on behalf of the Government, subject to:

1. Proper signature by the applicant.

2. Proper dating prior to delivery.

3. Government approval of any subcontracts.

Your file is returned herewith.

J. L. Hofflund

not stripped in R.+R.

J. L. Hofflund
General Counsel

Attachment

RRGuthrie/ema

Copy to: Reports & Records
J. L. Hofflund
R. R. Guthrie
Chron.

BL

Mr Dunnigan

RED ROCK QUICKSILVER MINE

DYER, NEVADA

DEPARTMENT OF THE INTERIOR
RECEIVED
OCT 30 1951
Defense Minerals Administration,
Production Expansion Division.

October 24, 1951

Defense Minerals Administration
Washington, D.C.

Re: Docket DMA-1640X, Mercury

Dear Sirs:

The D4 tractor is a 1937 with a new Kay Brunner hydraulic angle dozer also new track and rollers on the D4 . Aboute four months ago I was offered $ 3500.00 for this machine witch would be more now as there seems to be no new ones here for sale.

The compressor is a Gardner Denver 140 Cubic Ft. has been overhalled and is in fair condition.
I aslo have a new Gordon Smith 60 cubic Ft.compressor that can be tied in with the Garden Denver in case we needed more air.
The value of the Gardner Denver compressor about $1000.00

Yours truly,

W. F. Dunnigan

W.F.Dunnigan, Owner.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 29 1 55 PM '51

FILE COPY
SURNAME:

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

AIR MAIL

Selfridge
Kg Johnson

Mr. W. F. Dunnigan
The Red Rock Quicksilver Mine
Dyer, Nevada

Re: Docket DMA-1640R, Mercury

Dear Mr. Dunnigan:

In order to complete the Exploration Project Contract, subject above, will you please furnish us the following information:

1. The age and value of the D4 bulldozer.
2. The age, size and value of the compressor to be used for the diamond drilling.

Are both of these units now in workable order?

As soon as we receive this information we shall complete the drawing up of the contract for final approval at once.

Sincerely yours,

10/19

(signed) FRANK E. JOHNSON ACTING
(for)
C. O. Mittendorf, Director
Production Expansion Division

GCSelfridge/jem
10-17-51

cc to: Adm. Reading File
Reports & Records
Messrs. Mittendorf, Olund
Mr. Selfridge
Field Team, Region III
Docket

FILE COPY
SURNAME:

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

Gordon
Bonner
McKnight
Sharp
Allison

OCT 8 1951

Memorandum

To: Director, Production Expansion Division

From: Director, Supply Division

Subject: Red Rock Quicksilver Mine
Esmeralda County, Nevada
Mercury, DMA-164Ox

Under date of May 29, 1951, Walter F. Dunnigan, Red Rock Quicksilver Mine, Dyer, Nevada, submitted the subject application, DMA-164Ox, for an exploration project in the sum of $11,200, subsequently reduced to the sum of $10,940.00 for a government participation of $8,205.00 (75%). Applicant is prepared to invest $2,735.00 in the form of labor and equipment.

The following factors have been carefully considered and weighed in reviewing this application.

1. Refer MO-5, as amended, Section 6

(a) Additional domestic sources of mercury are desired.
(b) In view of the modest sum involved and the possibility of encountering favorable structures with associated ore, reviewers for the U.S.G.S. and D.M.A. concur in recommending the project.
(c,d,e,f) Manpower, equipment and supplies are available. Ample roads lead to the property and there is sufficient water available for the exploration. Power may be supplied by portable units.
(g) Applicant is regarded as capable.

2. The ground to be covered in the agreement is comprised of four unpatented claims, located in T1s, S18, R34E, M.D.B. & M., Esmeralda County, Nevada, known as Red Rock, Red Rock #1, Red Rock #2 and Red Rock #3. Dates of location, plus book, page and date of recording are given in W. F. Dunnigan's attached letter of September 22, 1951. There are no liens nor encumbrances against the property.

3. While the two steps of the project can be completed in seven months working time, allowance must be made for several months' delay by severe winter conditions, so the project can be completed within one year following approval of the contract. It is proposed to start work within one week following approval.

Time schedule for actual working time, is as follows:
1 st quarter - Complete step one, consisting of 650 hours of bulldozer trenching in blocks one and two shown on attached map.

2nd Quarter - Diamond drill 900 feet of EX drill holes
Seventh month - Diamond drill 300 feet of EX drill hole, completing project.

Note: Because of possibly severe winter conditions, up to five months time may be lost, thus necessitating twelve months total time allowance.

4. The project is comprised of two steps, the second step to be dependent on results obtained in step one.

Step One consists of seeking zones of mercury mineralization by making a series of bulldozer cuts in the two favorable areas outlined on attached map of exhibit A. It is estimated that 625 hours of bulldozing work will complete this phase of the project. Upon completion of step one, a field examination is to be made by the government to ascertain whether zones favorable for further exploration by diamond drilling have been found. If so, the favorable zones will be delineated and a drilling program (step two) outlined in cooperation with applicant, after which step two may follow. Otherwise, the project is to be regarded as completed.

Step Two consists of diamond drilling a maximum of 1200 feet of EX drill hole in the areas deemed favorable by the government following its field examination; approximate length, location and direction of the holes are to be approved by the examiners.

5. Estimated costs are as follows:

Step One -	
Use, maintenance repair, D4 Bulldozer, 625 hours @$4.00/hr.	$ 2,500.00
Bulldozer operator, $2.00 per hour, 625 hours	1,250.00
Fuel for bulldozer, assaying, supplies, etc.	700.00
Total Cost of Step one	$ 4,450.00
Step Two -	
Purchase of diamond drill and accessories	2,000.00
Use, Maintenance and repair, air compressor, $180 per month 4 months	720.00*
Driller and helper	3,270.00
Supplies, assaying, etc.	500.00
Total Cost of step two	$ 6,490.00

*Charge for use only of applicant owned compressor may be allowed at a monthly rate of not over 1/60 of its replacement cost; maintenance and repair, as actually spent.

Total Cost of Project	$10,940.00

Therefore, it is recommended that the Production Expansion Division negotiate a formal contract with Walter F. Dunnigan which will permit applicant to undertake the following specific exploration along the lines described above.

(a) 625 hours bulldozing trenches to sink mineralized zones in areas delineated on attached map. Sample and assay any showings found.
(b) Drill total of 1200 feet of EX diamond drill hole in any favorable areas discovered by (a). Sample, assay and ~~[illegible]~~ and sludges.

EGordon/mh 9-27-51
cc: Adm. Read. File
Lyon
Bourret
DMA docket file
McKnight, USGS
Meyer
Field Team, III

Tom Lyon
Tom Lyon, Director
Supply Division

not stripped
R + R

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

RED ROCK QUICKSILVER MINE

DYER, NEVADA

SEP 24 3 44 PM '51

September 22, 1951.

Defense Minerals Administration
Washington, D.C.

Dear Sirs: Re:DMA-1640X

The following is the information requested in your letter dated Sept 18.

Location of mining claims known as Red Rock, Red Rock No. 1 Red Rock No. 2, Red Rock No. 3.

County: Esmeralda
Township: 1-S
Section: 18
Range: 34 E M.D.B. & M.

Red Rock located March 12, 1926. Location notice recorded June 16 1926 in Book 1-B page 263 official Records, Esmeralda County, State of Nevada. Amended Location certificate recorded June 24, 1929 in Book 1-C, page 132.
Red Rock No. 1 located March 12, 1926. Location notice recorded June 15, 1926 in Book 1-B, page 263. Amended certificate of location recorded on June 24, 1929 Book 1-C page 133 , official Records , Esmeralda county, State of Nevada.
Red Rock No. 2 located March 12, 1926. Location notice recorded October 26, 1926, Book 1-A, page 291, official Records, Esmeralda County State of Nevada. Amended certificate of location recorded in Book 1-C, page 133. June 24, 1929.
Red Rock No. 3 located March 12, 1926. Location notice recorded October 26, 1926 in Book 1-A, page 291, official Records, Esmeralda County, State of Nevada. Amended certificate of Location recorded in Book 1-C, page 134, June 24, 1929.

Yours truly.

W. F. Dunnigan

W.F. Dunnigan

FILE COPY
SURNAME:

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

Gordon Bourret.

Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Re: Red Rock Quicksilver Mine
Esmeralda County, Nevada
DMA-1640X - Mercury

Dear Mr. Dunnigan:

Your docket DMA 1640-X has been returned to this office with comments and observations of the field.

We find lacking an adequate description of the claims on which the proposed exploration work is to be performed and accordingly request you to send us this data at your earliest convenience. Kindly advise us the county, township, section and range in which these claims are located, together with the name of each claim, its survey number if patented and if unpatented, the book, page and date of recording of claim.

Yours very truly,

BF 9/18

Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals Branch

EGordon/ch 9-17-51
cc: Adm. Reading File
Lyon[illegible]
Bourret
Meyer
McKnight - USGS
Field Team III
DMA docket file

RED ROCK QUICKSILVER MINE

DYER, NEVADA

September 17, 1951.

OFFICAL FILE COPY

To	Init.	Date
330	A.R.C	9-21
210		

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C. SEP 20 2 15 PM '51

Defense Minerals Admistration
Washington, D.C.

Dear Sirs: Re: DMA-1640X

I have been advised by the San Francisco office that my application for an exploration loan No. DMA-1640X had been sent to you on August 23rd.

I would like to know if any action has been taken yet as we are anxious to get started as soon as possible. We are located at an elevation of over 7000 feet so you can see that we usually expect severe winter weather. If any work is to be done this year we will have to get at it soon. For this reason I would appreciate hearing from you and urge that you give this your earliest consideration.

Yours truly,

W.F. Dunnigan

W.F. Dunnigan, Owner.

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~BUREAU OF MINES~~
~~REGION III~~

DEFENSE MINERALS ADMINISTRATION

OFFICE OF
~~REGIONAL DIRECTOR~~
Executive Officer
DMA Field Team
Region III

1012 Flood Bldg.
870 Market Street
~~MCDONOUGH BLDG.,~~
~~SAN JOSE & MARKET,~~
SAN FRANCISCO 2, CALIF.

August 23, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, DMA, Washington 25, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Docket DMA-1640X--Mercury, Walter F. Dunnigan, Red Rock Quicksilver Mine, Dyer, Nevada

Reference is to your subject "Review of Application for Exploration Assistance" received here on July 20 and also to the memorandum from Edwin T. McKnight to Mr. Weston Bourret, concerning subject application, dated July 12, 1951.

Attached are four copies of sheets headed "DMA-1640X, Red Rock Mine, Esmeralda County, Nevada (Mercury), giving answers to questions asked in your "Review," together with a map showing Blocks 1 and 2 adjacent to the principal workings of the Red Rock Mine, which applicant desires to explore. Mr. Robert F. Johnson, Geologists, U. S. Geological Survey, visited the property early in August and worked up the submitted answers and supplemental information with the assistance of the applicant.

One revised copy of Form MF-103, dated August 6, but not signed by the applicant, also is attached, showing that the applicant now is applying for a loan totaling $10,940, of which the Government's participation is 75 percent.

The docket is returned herewith.

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

Attachments

Copy to: Edgar H. Bailey, USGS

DMA-1640x, Red Rock Mine
Esmeralda County, Nevada

(Mercury)

Question 4

a) The applicant has owned or worked at the property since 1930, and knows all phases of the operation.

b) The applicant will manage the property

Question 9

Rental value of equipment furnished by applicant will amount to more than 25% of the amount requested. In addition, the applicant will do most of the labor required, both as bulldozer operator and diamond drill operator.

Question 24

Phase 1 should be completed within 3 months after signing of contract. Cost of phase 1 is estimated at $4,450.

4,450
6,500
10,950

Phase 2 depends on results obtained in phase 1 and will not start until phase 1 is completed and a drilling program outlined in cooperation with DMA representative. Phase 2 should take about 4 months to complete and will cost about $6,500. Starting time of phase 2 may be delayed by weather conditions but the entire project should be completed within 12 months after signing the contract.

Exhibit A

Proposed work

The work proposed is to explore the ground adjacent to the principal workings of the Red Rock Mine, in blocks 1 and 2 (see map) in an attempt to discover other zones of quicksilver mineralization. Scattered outcrops are found in the blocks, but most of their surface is covered with 2-3 feet of overburden. Surface trenching with a bulldozer would be used to remove the overburden, then if mineralized areas are discovered, diamond drilling is proposed to determine their extent.

Block 1 is located west of the mine workings between the Red Rock and Container mines. Its location between two productive areas, and the presence of cinnabar in float and in pannings, indicate that it is a favorable area. Block 2 is located on the north side of an east trending ridge. Some showings of cinnabar are known to occur in the block, but it has never been adequatly explored.

ON-SITE REPORT

Exhibit A (con[redacted]

The exploration work would be divided into two phases. In phase 1 a series of bulldozer cuts would be made in the two blocks. Bedrock exposed in the cuts would show the presence or absence of alteration zones or mineralized areas. Phase 1 would be completed within three months after signing of the contract.

Phase 2 would be dependent on phase 1 and would not be undertaken unless favorable areas were discovered. A field examination would have to be made by a DMA representative at the completion of phase 1, to block out favorable drilling areas. Phase 2 would consist of a maximum of 1200 feet of diamond drilling to indicate the extension of the ore zones found in phase 1. Holes 100-150 feet deep would show the vertical extension of the ore zones. This drilling should take about 4 months to complete.

Due to severe winter weather work may be delayed several months, but all the work should be completed within one year.

Geology

The Red Rock mine has yielded a recorded 1970 flasks of quicksilver from a fault zone formed by the intersection of a steeply dipping fault, striking N. 60 E., with three subparallel gouge zones striking N. 85° W. and dipping 45° south. Phyllite and marble are the country rocks and they form a small pendant in a granitic batholith, (Bailey and Phoenix).

/ Bailey, E. H., and Phoenix, D. A., Quicksilver deposits in Nevada: Univ. of Nevada Bull., vol. 38, Geology and Mining series no. 41, pp. 72-73, 1944.

Rocks along the fault zone have been hydrothermally altered to clays, and sercite or talc-rick rocks. The blocks in which exploration is proposed contain similar alteration zones along which cinnabar can be panned. The applicant believes that surface cuts made with a bulldozer may uncover structures similar to those found in the mine area.

Exhibit B

Not applicable

Exhibit C

Phase 1

Items to be rented ---none
Items to be purchased ---none
Items to be furnished by the operator ---
D-4 bulldozer, rental value $4.00 per hour, 3 months, 48 hours per week $2500.

Exhibit C (con't)

Phase 2

Phase 2 will not be undertaken unless favorable drilling areas are blocked out in phase 1.

Items to be rented --- none

Items to be purchased:---	
Pneumatic diamond drill, CP no. 55 or similar size --	$1,200
Accessories for drill; drill rods, core barrel, bits drill frame, water pump, etc. ---	800
Items to be furnished by operator:---	
Air compressor for diamond drill, rental value $180 per month. For 4 months, ---	720

Note: Diamond drilling can be done by contract at $5-6 per foot if equipment is not available for purchase. Costs would be higher as supervision would be necessary.

Exhibit D

Phase 1

Bulldozer operator, $2.00 per hour, 48 hours per week, 3 months --	$1,250

Phase 2

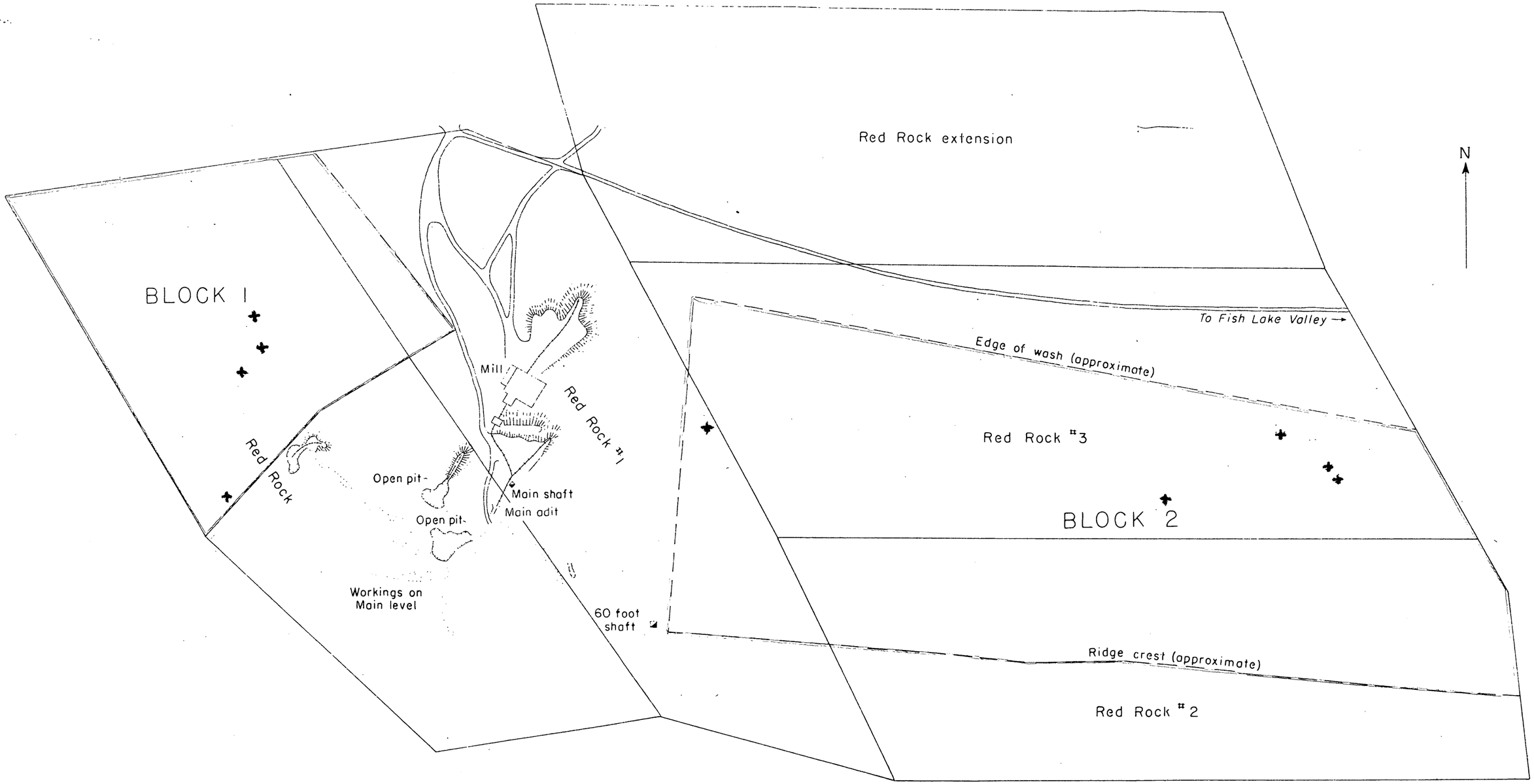
Diamond drill operator, $2.50 per hour, 48 hours per week, 4 months --	2,040
Helper, 1.50 per hour - 4 months	1,230
Total --	$ 4,520

Exhibit E

Not applicable

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMA 1640X
(MERCURY)



Claim corners are only approximately located

+ Approximate location cinnabar exposed by Stage I

Base from map owned by W. F. Dunnigan

SKETCH MAP OF RED ROCK CLAIMS, ESMERALDA COUNTY, NEVADA
SHOWING LOCATION OF AREAS TO BE EXPLORED

Exhibit B

0 200 400 600 Feet

DMA-1640X
Mercury
(Contd)

FILE COPY
SURNAME:

Gordon
Bourret.

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

AIR MAIL

July 16, 1951

Mr. Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Re: Red Rock Quicksilver Mine
Esmeralda County, Nevada
DMA 1640x Mercury

Dear Mr. Dunnigan:

Your application for an exploration project in the sum of $11,200, DMA docket no. 1640x, has been received by the Minor and Rare Metals Branch of the Supply Division.

Before we can consider your application further, additional information is required. For this reason we are referring it to H. C. Miller, Executive Officer, DMA Field Team, Region III, 1415 Appraisers Building, San Francisco 11, California, for field team review, whom you may contact if you wish.

For your information we enclose copies of MO-5 and press release of May 14, 1951, calling your attention particularly to Section 4 of MO-5 and to the first question and answer of the press release. After reading these carefully, you may decide to work up a more complete description of your proposal, answering, following consulting with the DMA field office, in more detail the questions of form MF-103.

Yours very truly,

Tom Lyon

Tom Lyon, Director
Supply Division

Enclosure
ERGordon/bf
cc: Adm. Reading File
Reports & Records
Lyon
Field Team III (2)
Meyer
McKnight
Bourret
Files

Mac,

Here is some info that I have in my Nevada file on this mine.

Mining World, vol. 7, p. 47, June 1945.

W. F. Dunnigan of Dyer has resumed operations at his Red Rock mercury mine in the Fish Lake Valley district near Dyer. During the last 6 months of 1944 production was 120 flasks from 415 tons of ore. The plant consists of a 30-ton rotary furnace and 2 D. retorts (sec. 18, T. 1 S., R. 34 E).

Florence

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

July 12, 1951

Memorandum

To: Mr. Weston Bourret

From: Mr. E. T. McKnight

Subject: DMA-1640, application of Walter F. Dunnigan for exploration loan of $11,200 (Government participation 75%) to explore Red Rock quicksilver mine, Esmeralda County, Nevada.

Mine has produced 1,854 flasks,1928 to end of 1944, from large glory hole and associated underground workings. Applicant's proposal is to bulldoze surface to try and locate "ore continuation of work done on adjoining claim". Applicant won't give details of where, on basis that work has to progress according to what shows up in ground bulldozed earlier. He says work will be in ground next to old workings.

Structural feature that localizes ore is an intersection of a fault with a zone of shear, which gives a plunging ore body. Surface bulldozing won't find any more ore on the original ore body but might disclose similar structure with similarly associated ore. As the proposed operation is fairly cheap, it should be worth the gamble. I have checked this recommendation by telephone with Edgar Bailey, the Survey's commodity geologist for quicksilver. Bailey has published a report on Nevada quicksilver deposits, including a geologic description of the deposit in question, and he concurs with this recommendation. [Nev. - 41]

Applicant's participation, said to be "equipment valued at more (than) that requested"; but the rental value of the bulldozer is listed at less than the required 1/4 for participation. Information on what he plans to do is meager. Can he operate a bulldozer for a year for $7,200? What is the miner at $4,000 per year to be used for, if the proposed work is all bulldozing? I doubt if information is detailed enough to write a contract. For instance, what is daily wage for miner or for bulldozer operator? What is daily rental for the bulldozer, to be furnished by applicant?

E. T. McKnight
Edwin T. McKnight
Geologist

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

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No._____

Commodity_____

Applicant_____

Please expedite the consideration of this application with particular reference to the points noted in the attached "Review."

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

_____
For Bureau of Mines

_____
For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1640X

Commodity MERCURY

Total Amount $11,200-

Govt. Participation 7590-$

1. Name and Address of Applicant WALTER F. DUNNIGAN
RED ROCK QUICKSILVER MINE, DYER, NEVADA

2. Location of Property ESMERALDA COUNTY, NEVADA

3. Mineral or metal MERCURY Is it listed in Section 9 of MO-5? YES

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 E.T. McKNIGHT'S RECOMMENDATION, ATTACHED.

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? YES - OWNER
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future

productive period?

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? _____

b) MF-202 _____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower YES

b) Equipment and supplies YES
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* YES

d) Water (question 13)* YES

e) Power (question 13)* YES

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)* DONT KNOW

Is a field check needed on this point? YES

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? YES

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? ?

f) Should more information be requested from applicant? YES

g) Is a field examination necessary to complete Exhibit A? LEAVE TO FIELD TEAM'S JUDGEMENT ?

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?_____

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? YES

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? APPEAR LOW

d) Is a field check needed? No.

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? No

b) Is the schedule adequate for the work proposed? DONT KNOW

c) Is the schedule excessive for the work proposed? " "

d) Are the proposed wages and salaries reasonable? YES

e) Is a field check needed? DONT KNOW; PROPOSED WORK NOT FULLY DESCRIBED.

14. Exhibit E (question 23-c)*

a) Is it applicable? YES

b) Sufficient data? NO

c) Reasonable? ?

d) Field check needed? NEEDS CLARIFICATION BY OWNER

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? BELIEVE APPLICANT HAS GOOD PROSPECT BUT NEEDS 1ST HAND ASSISTANCE IN DRAWING UP CLEAR ANSWERS TO QUESTIONS ON FORM MF-103 & SKETCH MAP OF PROPOSED BULLDOZER STRIPPING, ALSO IN DRAWING UP 6 SETS OF EXHIBITS A THROUGH E FOR CONTRACT MF-200.

Reviewed by: E R Gordon
E.T. McKnight

Date

97692

FILE COPY
SURNAME:

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

June 18, 1951

Mr. Walter F. Dunnigan
Dyer, Nevada

Subject: DMA-1640X
Re: Exploration Loan
Red Rock Quicksilver

My dear Mr. Dunnigan:

Receipt is acknowledged of your application and attachments of May 29, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1640X and was referred to Mr. Weston G. Bourret, Acting Chief, Minor and Rare Metals Branch on June 12, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1640X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
>Files
Bourret
Lyon

dmd 1640X

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Region III

1415 Appraisers Bldg.
630 Sansome Street
San Francisco 11, Calif.

May 31, 1951

Memorandum

To: Defense Minerals Administration, Washington, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Application for Aid for an Exploration Project

The attached application was received in this office on May 31, 1951.

Applicant: Walter F. Dunnigan
Red Rock Quicksilver Mine
Dyer, Nevada

Date of Application: May 29, 1951

Estimated Cost: $11,200

Mineral or Metal: Mercury

Percentage of Government Participation: 75%

Location of Mine: Esmeralda County, Nevada

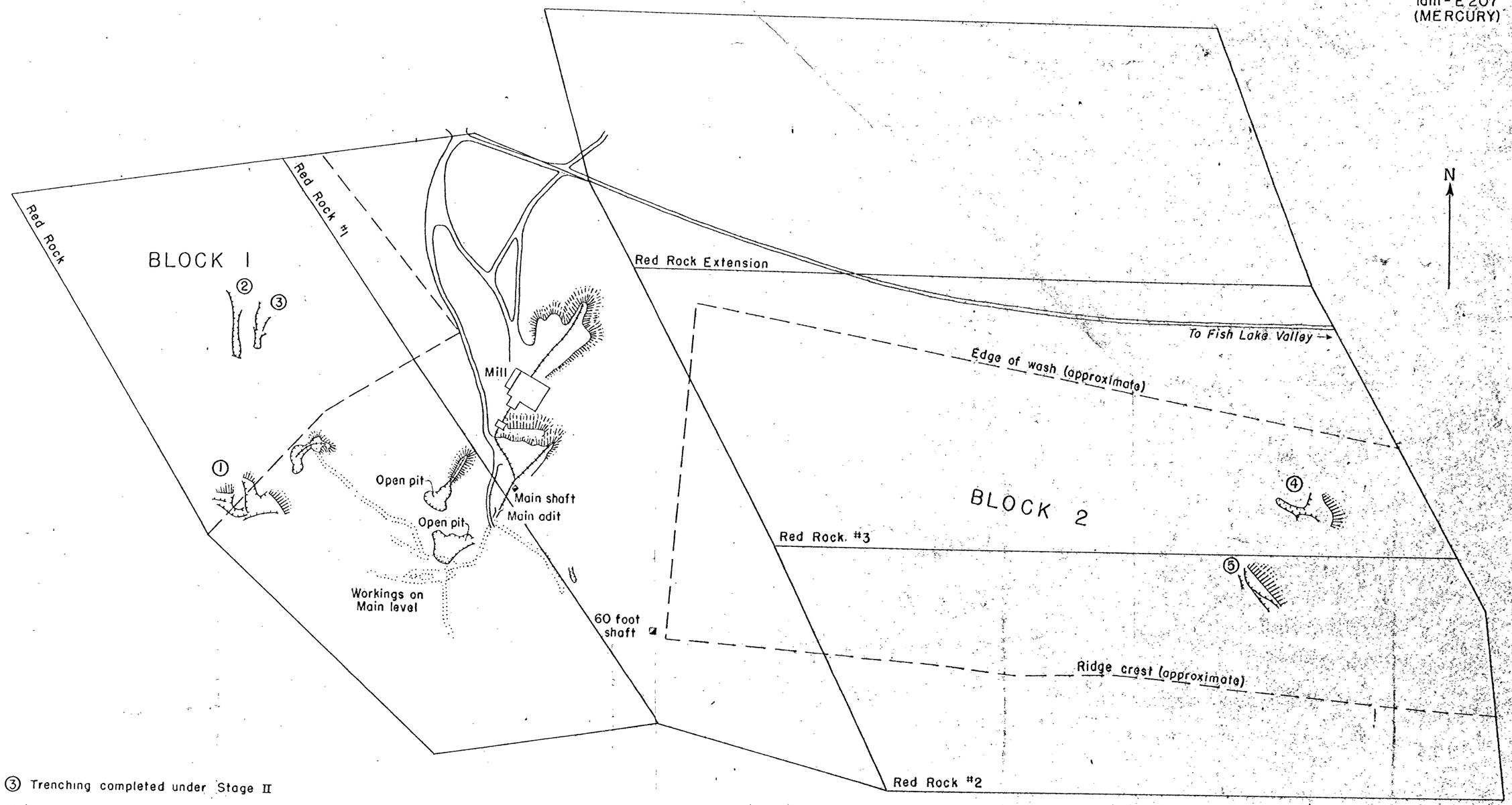
DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Postmarked May 31-1951
JUN 6 - 1951
LANDON F. SNOWDEN
Executive Secretary

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

P.S. Set MF-100 also attached.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMA 1640X
ldm - E 207
(MERCURY)



③ Trenching completed under Stage II

Claim corners are only approximately located

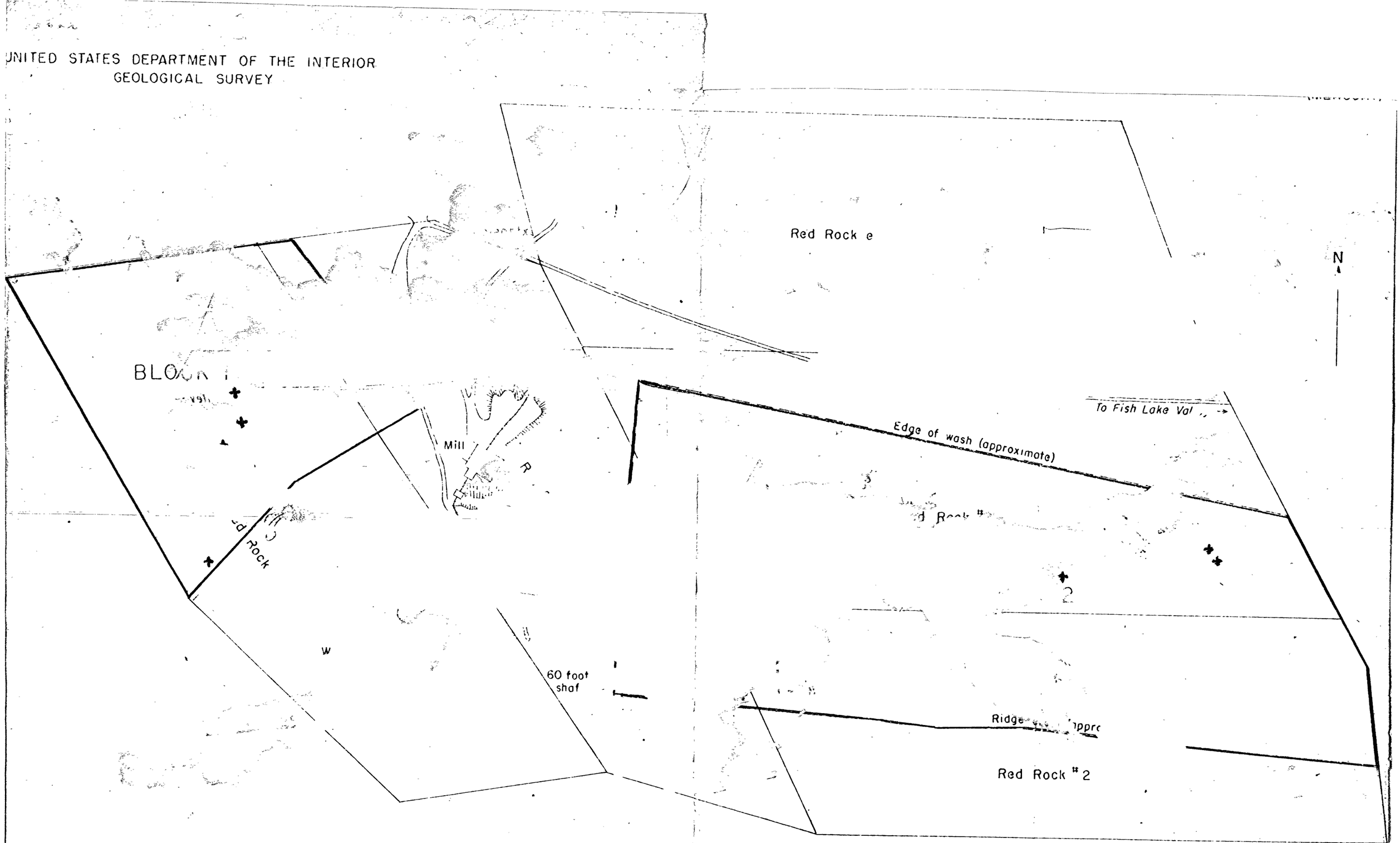
Base from map owned by W. F. Dunnigan

SKETCH MAP OF RED ROCK CLAIMS, ESMERALDA COUNTY, NEVADA
SHOWING AREAS EXPLORED

0 200 400 600 Feet

FIGURE 2

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Claim corners are only approximately located

+ Approximate location cinnabar exposed by Stage I

Base from map owned by W. F. Dunnigan

SKETCH MAP OF RED ROCK CLAIMS, ESMERALDA COUNTY, NEVADA
SHOWING LOCATION OF AREAS TO BE EXPLORED

Exhibit B

0 200 400 600 Feet