DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2770

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.
One copy to USBM, USGS. & REGION III

This document has been recorded as

EXPLORATION ASSISTANCE

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	Code 700, Room 4640	Date	11/7/52
To:	Oper Comm	Date	11-24-52
To:	Oper Comm	Date	4-10-53
To:	Oper Comm	Date	7-10-53
To:	Code 700	Date	7-13-53
To:	Oper Comm	Date	8-26-53
To:	Oper Comm	Date	9-30-53
To:	Code ~~700~~ 500	Date	10/1/53
To:	Code 500	Date	10-7-53
To:	Oper Comm	Date	1-9-54
To:	Oper Comm	Date	1- -54
To:	Code 500	Date	1-7-54
	Oper Comm	Date	2- -54

FILE COPY
SURNAME:

500

Griswold

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

FEB - 3 1954

Mr. Hal T. Hall, President
Calivada Development Company
Box 4
Garden Valley, California

Re: Docket No. DMEA-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Dear Mr. Hall:

We have been advised by Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, that you find it impossible to secure an Owner's Consent to Lien covering the property cited in the application of your company for an exploration loan under the Defense Minerals Exploration Administration. We must therefore consider your application as withdrawn and will remove it from our active files.

We regret the necessity of this action, however, it is done without prejudice to your property.

Sincerely yours,
C. O. Mittendorf

Administrator

WRGriswold/bjl (2/1/54)

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

R.C.B. 2-3-54

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 18, 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 DMEA-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Reference is made to your letter dated January 7, 1954, requesting information on the status of the subject application.

In reply to my letter of January 12, to Mr. Hal T. Hall, I have received a reply dated January 13, informing me that it was impossible for him to obtain the information requested by the Chief Counsel of DMEA. Apparently Mr. Hall refers to his inability to obtain Owner's Consent to Lien from Mr. H. A. Weiler.

A copy of Mr. Hall's letter is enclosed.

His letter dated October 20, 1953, was never received by this office.

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

Attachment

Copy to: 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.

January 18, 1954

Memorandum

To: George S. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

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

Attachment

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

CALIVADA DEVELOPMENT COMPANY

P. O. BOX 4

GARDEN VALLEY, CALIFORNIA

Defense Minerals Administration
RECEIVED
JAN 22 1954

January 13, 1954

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Bldg
San Francisco, California

Re: Docket No. DMEA-2770 (Copper)
Calivada Development Company

Dear Mr. Miller:

I am sorry my reply to your letter of October 5, 1953, failed to come to your attention. My file copy indicates it was posted October 20, 1953.

I advised in that letter that it was impossible for me to obtain the requisite information for the Chief Counsel of DMEA. It is the first and only time, to my knowledge, that I have been unable to comply with any request regarding the loan applications on this property over the past two years. I seriously endeavored to secure these waivers the Chief Counsel required, but with absolutely no results; and I assure you it is beyond my control to obtain them.

I wish to extend my sincere appreciation to you, personally, Mr. Miller, for your concientious efforts in the U. S. Bureau of Mines part in the loan applications on our project; and also to your organization from the Reno Office. Their efforts were also concientious and expedient and thoroughly deserve commendation.

Sincerely yours,

Hal T. Hall

Hal T. Hall, President

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 18 1954

Docket

Betty

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

January 12, 1954

Mr. Hal T. Hall, President
Calivada Development Company
Box 4
Garden Valley, California

Re: Docket No. DMEA-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Dear Mr. Hall:

By letter dated January 7, 1954, the Washington office of the Defense Minerals Exploration Administration has asked me to check up on the status of your application and to recommend what action should be taken concerning it.

Our files show that I wrote you on October 5, 1953, concerning certain additional information needed by the Chief Counsel of DMEA to complete a proposed contract. To date we have had no reply to my letter and we would appreciate hearing from you promptly in reply to that letter so that I may inform our Washington office of the status of your application.

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

FILE COPY
SURNAME:

Keating
Minerals
Mitchell

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

JAN - 7 1954

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

Re: Docket No. DMEA 2770 (Conner)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Dear Mr. Miller:

This refers to our letter to you under date of October 1, 1953, in which we advised that in response to the above application a proposed contract had been prepared but that certain ambiguities were found in the application, and therefore additional information would be required.

In our letter there was enclosed a copy of a memorandum from our Chief Counsel spelling out the data which would be necessary for us to have. We have received no further word regarding the matter other than your teletype inquiry relative to certain maps mentioned in the Chief Counsel's memorandum.

Will you please determine the status of this case and advise us together with your recommendations as to what action should be taken.

Sincerely yours,

George C. Selfridge

(JHB)

Chairman, Operating Committee

AGKeating/hmj (1-5-54)

APPROVED:

J. H. Hedges

Member, Bureau of Mines (JHB)

D. M. Larrabee

Member, Geological Survey (JHB)

CC to: Docket
Adm. R. File
Op. Committee
Mr. Bishop
Mr. Kinkel
Base Metals Div.
Chron.

R.C.S.
1-7-54

AGENCY DMEA

ORIGINATOR Mr. A. G. Keating
Phone 3669 Room 4058

Date: October 6, 1953

To: H. C. Miller, Executive Officer, DMEA Field Team, Region III
San Francisco, California.

Reurtt Docket No. DMEA 2770, Calivado Development Company, El Dorado County, California we have maps required for the contract and therefore you need not request further maps from Applicant.

SIGNED
George Selfridge
Chairman, Operating Committee

AGKeating/hmj
(10/5/53)
CC to: Docket
Adm. R. File
Op. Committee
Audit
Mr. Kinkel
Mr. Bishop
Base Metals Div.
Chron.

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

FILE COPY
SURNAME

Keating

AGENCY DMEA ORIGINATOR Mr. . G. Keating
Phone 3669 Room 4058

Date: October 6, 1953

To: H. C. Miller, Executive Officer, DMEA Field Team Region III
San Francisco, California

Reurtt Docket No. DMEA 2770, Calivado Development Company, El Dorado County, California we have maps required for the contract and therefore you need not request further maps from pplicant.

George elfridge
Chairman, Operating Committee

AGKeating/hmj
(10/5/53)
CC to: Docket
Adm. R. File
Op. Committee
Audits
Mr. Kinkel
Mr. Bishop
Base Metals Division
Chron.

10-6-53

C O P Y

291 WA HVVMA TTSFS /I-BOM/

SAN FRANCISCO CALIF 10-2-53 359P

GEORGE C SELFRIDGE,

DEFENSE MINERALS EXPLORATION ADMINISTRATION, INTERIOR BUILDING WA
DOCKET DMEA-2770 COPPER - CALIVADA DEVELOPMENT COMPANY. RE YOUR SUBJECT LETTER DATED OCTOBER 1 AND MEMORANDUM SEPTEMBER 25 FROM CHIEF COUNSEL. UNDER ITEM ONE IN COUNSEL-s MEMORANDUM AM I TO REQUEST MAPS FOR EXHIBIT "A" FROM APPLICANT /QM/

Kelton Betty

H C MILLER EXECUTIVE OFFICER, DEXXX DMEA FIELD TEAM REGION III

2770 1 25

LM 403AXX PM

1-1027
(April 1946)

UNITED STATES
DEPARTMENT OF THE INTERIOR

AGENCY Bureau of Mines

PBS TELETYPE

Originator:
Ext.: 2207 Room: 1006

Appro.: Bureau of Mines
Date: October 2, 1953
Time: 3:40 pm
No.:
To: George C. Selfridge, Defense Minerals Exploration Administration, Interior Building, Washington, D. C.

Subject:

Docket DMEA-2770 Copper - Calivada Development Company. Re your subject letter dated October 1 and memorandum September 25 from Chief Counsel. Under item one in Counsel's memorandum am I to request maps for Exhibit "A" from applicant?

H. C. MILLER

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

700

Authorized:
H.C.Miller

CONFIRMATION

Sign original message and transmit to Room ..... in duplicate

U. S. GOVERNMENT PRINTING OFFICE 16—50915-1

FILE COPY
SURNAME:

500

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

Air Mail

OCT - 1 1953

Keating
Bishop
Selfridge
F. Johnson

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-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Dear Mr. Miller:

A proposed contract has been prepared in conformity with the request of the above company. However, before the contract can be properly completed, it will be necessary to correctly determine certain ambiguities presented by the Applicant.

Enclosed is a copy of a memorandum dated September 25, 1953, from our Chief Counsel to the Administrator, which spells out the information required. Will you, therefore, please obtain from the Applicant the data indicated in this memorandum and forward it to us at your early convenience.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosure

AGKeating/bjl (9/28/53)

APPROVED:

J. H. Hedges
Member, Bureau of Mines

A. R. Kinkel, Jr.
Member, Geological Survey

Copy to: Docket
Admr. R. File
O p. Committee
Base Metals
Mr. Bishop
Mr. Kinkel
Chron.

R.C. 10-1-53

RECEIVED
OCT 2 7 32 PM '53
GENERAL SERVICES ADMIN.
PUBLIC BLDGS. SERVICE
BMD - COMMUNICATIONS

294 PA LVVHA TTSFS /I-DON/

SAN FRANCISCO CALIF 10-2-53 355P

GEORGE C SELFRIDGE,

DEFENSE MINERALS EXPLORATION ADMINISTRATION, INTERIOR BUILDING WA

DOCKET DMEA-2770 COPPER - CALIVADA DEVELOPMENT COMPANY. RE YOUR SUBJECT LETTER DATED OCTOBER 1 AND MEMORANDUM SEPTEMBER 25 FROM CHIEF COUNSEL. UNDER ITEM ONE IN COUNSEL-S MEMORANDUM AM I TO RE-QUEST MAPS FOR EXHIBIT "A" FROM APPLICANT/QM/.

M C MILLER EXECUTIVE OFFICER, DMEA FIELD TEAM REGION III

2770 1 25

LM 403AMM PM

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

September 25, 1953

Memorandum

To: The Administrator
Through: Mr. W. R. Griswold

From: Chief Counsel

Subject: Calivada Development Company, Docket No. DMEA-2770 (Copper)

Attached in satisfactory legal form for execution is a contract covering the above-described project, subject to the following:

1. The attachment of the maps referred to in Exhibit "A."

2. An Owner's Consent to Lien from H. A. Weiler. The subject property was originally conveyed to H. A. Weiler and Hal T. Hall. Subsequently, Weiler gave Hall an option to purchase his half interest for $25,000 and granted him exclusive mineral rights for a period of three years, with an additional two years if Hall continued mining operations. Thereafter, Hall and his wife conveyed to the Operator all their interest in the property, but the Operator thus acquired only a half interest in the property and the exclusive right to mine until about December 20, 1955. Consequently, an Owner's Consent to Lien on the new form must be obtained from H. A. Weiler.

3. The facts stated in Annex II should be verified. The copy of the undated deed from Peterson to Weiler and Hall, the map entitled "El Dorado Copper Mine," and the copy of the "Grant Deed" from Hall and his wife to the Operator indicate that the Roosevelt lode mining claim is in Section 34. On the contrary, the copy of the Outline Report signed by Hall on December 10, 1950, indicates that this section is 24. We have accepted the accurate description as Section 34, but this should be confirmed.

Note: attached contract not used — Applicant was unable to obtain owner's Consent to Lien — so application was withdrawn.

4. There is also some question as to whether the Roosevelt lode mining claim consists of both Parcels No. 1 and No. 2 indicated on the map "El Dorado Copper Mine," or whether "Parcel No. 2" is a separate mining claim. The above-mentioned "Outline Report" indicates that there are two patented mining claims, and that patents to both parcels were granted and recorded in the office of the Recorder of El Dorado County on August 14, 1911. This office, on April 13, 1953, wrote to Region III asking that the patent and survey numbers and the name of the claim shown as Parcel No. 2 be provided, but this information has not since been furnished. Therefore, in Annex I, the name of the mining claim, and the patent and mineral survey numbers covering Parcel No. 2, should be inserted.

5. The Operator's attorney, in his letter to DMEA of July 27, 1953, refers to a lease-and-purchase agreement dated April 20, 1953. We are inclined to believe that this date is erroneous and that he was referring to the agreement of December 20, 1950, but it should be ascertained whether there is any such agreement of April 20, 1953.

Albert Kane

for J. L. Hofflund
Chief Counsel

Attachments

MF-200 (A)
(February 1952)

DOCKET DMEA - 2770

COMMODITY Copper

Government's Copy

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

(Short Form)

IT IS AGREED this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Calivada Development Company, a corporation duly organized and existing under and by virtue of the laws of the State of Nevada, Box 4 - Garden Valley, El Dorado County, California

hereinafter called the "Operator," as follows: and as set forth in Annexes I and II attached hereto and made a part hereof:

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 California, County of El Dorado, described as ~~follows~~[3] set forth in Annex I

the Operator represents and undertakes:[4]

(*a*) That the Operator is ~~the~~ part 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: as set forth in Annex I,

(*b*) That the Operator is a lessee of the mineral rights as set forth in Annex I, 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 90 days from the date of this contract shall commence work on a project of exploration for[5] Copper

in or upon the described land; and shall bring the project to completion within a period of ten (10) months 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. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. 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 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay 50 percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $17,437.50 which is 50 percent of $34,875.00 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 check or 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. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed 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 units of work performed 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.

[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*) *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 the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, 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 and statement of work performed to accompany his final report.

ARTICLE 6. *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: See Annex II, substituted for that part of 6(a) preceding the colon:

(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 the 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 7. *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 8. *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.

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Calivada Development Company
(Operator)

By _____

By _____
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]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

EXPLORATION PROJECT CONTRACT
CALIVADA DEVELOPMENT COMPANY
DOCKET NO. DMEA-2770

ANNEX I

The land referred to in Article 2 of the contract form is in the County of El Dorado, State of California. It consists of two patented mining claims: (a) The Roosevelt claim, Patent No. 221086, Survey No. 4806, in the SE¼ of Sec. 34, T. 12 N., R. 10 E., M.D.M.; and (b) Parcel No. 2, situated in Lot 2 of the NE¼ of Sec. 3, T. 11 N., R. 10 E., M.D.M.

This property was conveyed by Charles J. Peterson and Florence Peterson to H. A. Weiler, Della Weiler, Hal T. Hall, and Dayse Hall, as tenants in common. Subsequently, by an instrument dated December 20, 1950, the said H. A. Weiler leased this property to the said Hal T. Hall for a three-year period with an option to renew for two more years, for the sole purpose of geological exploration, developing and operating and mining precious and other minerals, and gave the latter an option to purchase his half interest in the property for $25,000. Thereafter, Hal T. Hall and Dayse Hall, his wife, assigned all their interest in the said property to the Operator.

This land is more particularly described as follows:

	Patent No.	Mineral Survey No.
Roosevelt Lode Mining Claim	221086	4806

"PARCEL NO. 1. Beginning at corner No. 1, a Pine post 3 feet long and 4 inches square marked R. 1 - 4806 with mound of rock, from which the south ¼ corner of Sec. 34, Twp. 12 North, R. 10 East of M.D.M., bears west 141.3 feet distant;

"Thence first course, east 300 feet to a point from which discovery shaft bears north 30 degrees 59 min. West 108.7 feet distant; 600 feet to Corner #2 an oak post 3 ft. long and four inches square marked R. 2 - 4806 with mound of rock;

"Thence second course, North 30 degrees 59 min. West 857.5 feet to Corner #3 a cedar post 3 feet long and four inches square marked R. 3 - 4806 with mound of rock;

"Thence third course, West 300 feet to Corner #4 a cedar post 3 feet long and four inches square marked R. 4 - 4806 with mound of rock;

"Thence fourth course, South 497.4 feet to Corner #5, a Pine post 3 feet long and 4 inches square marked R. 5 - 4806, with mound of stone;

"Thence fifth course, South 30 degrees 44 min. East 276.5 feet to Corner #1, the place of beginning; Survey #4806, extending 857.5 feet in length along Roosevelt vein or lode, the premises herein granted containing 8 and 400/2000 acres more or less or 8-1/5 acres more or less."

Patent No. Mineral Survey No.

_____ Lode Mining Claim

"PARCEL NO. 2. All that certain real property situated in Lot 2 of the Northeast quarter of Section 3, Twp. 11 North, Range 10 East, M.D.M., in the Garden Valley Mining District, El Dorado County, California, title to which was declared on August 3, 1938, recorded in Book 167, Pages 143-144, more particularly described as follows:

"Commencing on the North line of said Lot #2, at Corner #1 of said Roosevelt Lode Mining Claim, thence South 30 degrees 44 min. East 642.5 feet; thence East 600 feet; thence North 30 degrees 59 min. West 642.5 feet to Corner #2 of said Roosevelt Lode Mining Claim on the said north line of said Lot 2; thence West 600 feet to place of beginning;

"And also any veins, lodes, or ledges throughout their entire depth in said Lot 2, the tops or apexes of which lie within the surface boundary lines of said above-granted portion of said Lot 2, extended downward vertically although such veins, lodes, or ledges in their downward course may so far depart from the perpendicular so as to extend outside the vertical sidelines of said premises, provided that the right of possession to such outside parts of said veins, lodes, or ledges shall be confined to such portions thereof as lie between the vertical planes drawn downward through the north and south lines of said above-granted portion of said Lot 2, so continuing in their own direction that such planes will intersect such exterior parts of said veins, lodes, or ledges and provided further that nothing herein contained shall authorize the grantee herein to enter upon the surface of any portion of said Lot 2, other than above-granted portion thereof and the right-of-way hereinafter granted;

"Together with a right-of-way for a wagon road from a point in Lot 3, Twp. 11 North, Range 10 East, M.D.M., on the Placerville-Georgetown Highway nearly opposite a cabin standing on the West side of the road and passing thence easterly to the south of an opencut along the Blue-Lead Ledge and thence following the ravine and the adjoining hillside in an easterly direction through said Lot 2, to above-granted premises, containing 8.6 acres more or less."

EXPLORATION PROJECT CONTRACT
CALIVADA DEVELOPMENT COMPANY
DOCKET NO. DMEA-2770

ANNEX II

The following provisions are in lieu of all of paragraph (a) of Article 6 which precedes the colon:

If the Government considers that a discovery or development from which production may be made has resulted from the exploration work, the Government, at any time not later than six months after a sufficient, complete, final report and final account referred to in the contract has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development. The Operator, or his successor in interest, shall pay to the Government a royalty on all minerals mined or produced from the land described in Article 2, as follows: (1) Regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification of discovery or development, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first, unless the Government waives its right to a royalty; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract, or until the total net amount contributed by the Government, without interest, is fully repaid, whichever occurs first. Said royalty shall be a percentage of the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production (including any bonuses), in whatever form disposed of, including ore, concentrates, or metal, as follows:

EXPLORATION PROJECT CONTRACT
CALIVADA DEVELOPMENT COMPANY
DOCKET NO. DMEA-2770

EXHIBIT "A"

Description of the Work

The purpose of this project is to explore at greater depth for two ore shoots previously indicated by diamond drilling from the surface.

As indicated on the three maps referred to below and attached hereto, the work consists of sinking the existing 2-compartment, 100-foot, incline El Dorado shaft, in cross section 5 feet by 8 feet in the clear, an additional 135 feet including a 35-foot sump.

From the 200-foot level of the shaft, drift in cross section 5 feet by 7 feet in the clear northwesterly along the vein for a distance of 250 feet, and if, in the opinion of the Government, this work has been sufficiently favorable, drift not in excess of an additional 350 feet.

The maps attached are:

Figure 1 - El Dorado Copper Property, El Dorado County, California (claim map)

Figure 2 - El Dorado Copper Property, El Dorado County, California (longitudinal projection and proposed exploration work)

Figure 3 - Sectionals of El Dorado Copper Mine

Agreed Unit Costs

Shaft sinking, 135 feet @ $85.00/ft.	$11,475.00	
Drifting, 600 feet @ $39.00/ft.	23,400.00	
Total Agreed Unit Costs		$34,875.00
Government Participation at 50%		$17,437.50

FILE COPY
SURNAME:

140

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

N. S. in R. R.

September 25, 1953

Memorandum

To: The Administrator
Through: Mr. W. R. Griswold

From: Chief Counsel

Subject: Calivada Development Company, Docket No. DMEA-2770 (Copper)

Attached in satisfactory legal form for execution is a contract covering the above-described project, subject to the following:

1. The attachment of the maps referred to in Exhibit "A."

2. An Owner's Consent to Lien from H. A. Weiler. The subject property was originally conveyed to H. A. Weiler and Hal T. Hall. Subsequently, Weiler gave Hall an option to purchase his half interest for $25,000 and granted him exclusive mineral rights for a period of three years, with an additional two years if Hall continued mining operations. Thereafter, Hall and his wife conveyed to the Operator all their interest in the property, but the Operator thus acquired only a half interest in the property and the exclusive right to mine until about December 20, 1955. Consequently, an Owner's Consent to Lien on the new form must be obtained from H. A. Weiler.

3. The facts stated in Annex II should be verified. The copy of the undated deed from Peterson to Weiler and Hall, the map entitled "El Dorado Copper Mine," and the copy of the "Grant Deed" from Hall and his wife to the Operator indicate that the Roosevelt lode mining claim is in Section 34. On the contrary, the copy of the Outline Report signed by Hall on December 10, 1950, indicates that this section is 24. We have accepted the accurate description as Section 34, but this should be confirmed.

4. There is also some question as to whether the Roosevelt lode mining claim consists of both Parcels No. 1 and No. 2 indicated on the map "El Dorado Copper Mine," or whether "Parcel No. 2" is a separate mining claim. The above-mentioned "Outline Report" indicates that there are two patented mining claims, and that patents to both parcels were granted and recorded in the office of the Recorder of El Dorado County on August 14, 1911. This office, on April 13, 1953, wrote to Region III asking that the patent and survey numbers and the name of the claim shown as Parcel No. 2 be provided, but this information has not since been furnished. Therefore, in Annex I, the name of the mining claim, and the patent and mineral survey numbers covering Parcel No. 2, should be inserted.

5. The Operator's attorney, in his letter to DMEA of July 27, 1953, refers to a lease-and-purchase agreement dated April 20, 1953. We are inclined to believe that this date is erroneous and that he was referring to the agreement of December 20, 1950, but it should be ascertained whether there is any such agreement of April 20, 1953.

Albert E. Kane

for J. L. Hofflund
Chief Counsel

Attachments

AEKane:ep

Copy to: Mails & Files
Mr. Griswold
Mr. Hofflund
Mr. Kane
Chron.

FILE COPY
SURNAME:

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

September 18, 1953

Memorandum

To: Chief Counsel

From: Base Metals Division

Subject: Docket No. DMA 2770, Calivada Development Company (Copper)
El Dorado County, California

Attached is the draft of a proposed contract for your consideration and preparation in final form.

The description of the property to be included in the contract is described in the grant deed from Hal Hall and Dayse Hall to Calivada Development Company. It comprises two blocks of ground described as Parcel 1 and Parcel 2 by metes and bounds. These blocks appear to be completely within the area comprising the Roosevelt patented mining claim, Mineral Survey No. 4806, Patent No. 221,086.

/s/
A. G. Keating

Attachment

AGKeating/hmj
(9/18/53)
CC to: Docket
Base Metals
Chron.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 10 1953

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

September 8, 1953

Air Mail

Memorandum

Keating
Betty

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

As requested in your letter of August 27, enclosed herewith is a copy of the Grant Deed of the El Dorado Copper Mine Property from Hal T. Hall and Dayse M. Hall to the Calivada Development Company, Inc., which is required by you preliminary to drawing up a contract for exploration of the subject mine.

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

Attachment

Copy to: E. H. Bailey, USGS

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
(RECEIVED)
SEP 10 1953

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

September 8, 1953

Air Mail

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

As requested in your letter of August 27, enclosed herewith is a copy of the Grant Deed of the El Dorado Copper Mine Property from Val T. Hall and Wayne A. Hall to the Calivada Development Company, Inc., which is required by you preliminary to drawing up a contract for exploration of the subject mine.

S. RICKER

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

Attachment

Copy to: S. H. Bailey, DMEA

GRANT DEED.

We, HAL T. HALL and DAYSE M. HALL, his wife, in consideration of Ten ($10.00) Dollars to us in hand paid, the receipt of which is hereby acknowledged, do hereby Grant to CALIVADA DEVELOPMENT COMPANY, a corporation, its successors or assigns, all our right, title and interest in and to the following described real property lying and being in the County of El Dorado, State of California:

PARCEL NO. 1. Beginning at corner No. 1, a Pine post 3 feet long and 4 inches square marked R. 1 - 4806 with mound of rock, from which the south ¼ corner of Sec. 34, Twp. 12 North, R. 10 East of M.D.M., bears west 141.3 feet distant;

Thence first course, east 300 feet to a point from which discovery shaft bears north 30 degrees 59 min. West 108.7 feet distant; 600 feet to Corner #2 an oak post 3 ft. long and four inches square marked R. 2 - 4806 with mound of rock;

Thence second course, North 30 degrees 59 min. West 857.5 feet to Corner #3 a cedar post 3 feet long and four inches square marked R. 3 - 4806 with mound of rock;

Thence third course, West 300 feet to Corner #4 a cedar post 3 feet long and four inches square marked R. 4 - 4806 with mound of rock;

Thence Fourth course, South 497.4 feet to Corner #5, a Pine post 3 feet long and 4 inches square marked R. 5 - 4806, with mound of stone;

Thence fifth course, South 30 degrees 44 min. East 276.5 feet to Corner #1, the place of beginning; Survey #4806, extending 857.5 feet in length along Roosevelt vein or lode, the premises herein granted containing 8 and 400/2000 acres more or less or 8 1/5 acres more or less.

PARCEL NO. 2. All that certain real property situated in Lot 2 of the Northeast quarter of Section 3, Twp. 11 North, Range 10 East, M.D.M., in the Garden Valley Mining District, El Dorado County, California, title to which was declared on August 3, 1938, recorded in Book 167, Pages 143-144, more particularly described as follows:

Commencing on the North line of said Lot #2, at Corner #1 of [illegible] Lode Mining Claim, thence South 30 degrees 44 Min. [illegible] 2. [illegible] feet; thence East 600 feet; thence North 30 degrees 59 [illegible] feet to Corner #2 of said Roosevelt Lode Mining [illegible] said north line of said Lot 2; thence West 600 feet to place of beginning

AND

also any veins, lodes or ledges throughout their entire depth in said Lot 2, the tops or apexes of which lie within the surface boundry lines of said above granted portion of said Lot 2, extended

FONTAINE JOHNSON
[illegible]AL NATIONAL BANK BLDG.
[illegible]NTO 6, CALIFORNIA

downward vertically although such veins, lodes or ledges in their downward course may so far depart from the perpendicular so as to extend outside the vertical sidelines of said premises, provided that the right of possession to such outside parts of said veins, lodes or ledges shall be confined to such portions thereof as lie between the vertical planes drawn downward through the north and south lines of said above granted portion of said Lot 2, so continuing in their own direction that such planes will (interest) intersect such exterior parts of said veins, lodes or ledges and provided further that nothing herein contained shall authorize the grantee herein to enter upon the surface of any portion of said Lot 2, other than above granted portion thereof and the right of way hereinafter granted.

TOGETHER with a right of way for a wagon road from a point in Lot 3, Twp. 11 North, Range 10 East, M.D.M., on the Placerville-Georgetown Highway nearly opposite a cabin standing on the West side of the road and passing thence easterly to the south of an open-cut along the Blue-Lead Ledge and thence following the ravine and the adjoining hillside in an easterly direction through said Lot 2, to above granted premises, containing 8.6 acres more or less.

WITNESS our hands this 11th day of July 1952.

HAL T. HALL

DAYSE M. HALL

STATE OF CALIFORNIA, }
County of Sacramento. } SS.

On this 11th day of July 1952, before me FONTAINE JOHNSON a Notary Public in and for said County, personally appeared HAL T. HALL and DAYSE M. HALL, his wife, known to me to be the persons whose names are subscribed to the foregoing instrument and acknowledged that they executed the same.

Witness my hand and official seal.

FONTAINE JOHNSON (SEAL)
Notary Public in and for said County and State.

FONTAINE JOHNSON
CAPITAL NATIONAL BANK BLDG.
SACRAMENTO 6, CALIFORNIA

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

Docket

Keating
Betty

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

September 1, 1953

Mr. Hal T. Hall, President
Calivada Development Company
Box 4
Garden Valley, California

Re: Docket DMEA-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Dear Mr. Hall:

In regard to your application for an exploration loan, we have been requested by the Washington Office of the Defense Minerals Exploration Administration to request you to submit to that office for inspection a copy of assignment by Mrs. Hall of her interest in the lease, as well as a copy of assignment of Mr. Hall's interest in the lease to the operator corporation.

If you would rather send the above mentioned documents to this office we will forward them to Washington without delay.

Drawing of a contract depends upon receipt of these documents in Washington. Therefore, may we have a prompt reply to this request.

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

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

1312 Flood Building
870 Market Street
San Francisco 2, Calif.

September 1, 1953

Mr. Hal T. Hall, President
Calivada Development Company
Box 4
Garden Valley, California

Re: Docket DMEA-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Dear Mr. Hall:

In regard to your application for an exploration loan, we have been requested by the Washington Office of the Defense Minerals Exploration Administration to request you to submit to that office for inspection a copy of assignment by Mrs. Hall of her interest in the lease, as well as a copy of assignment of Mr. Hall's interest in the lease to the operator corporation.

If you would rather send the above mentioned documents to this office we will forward them to Washington without delay.

Drawing of a contract depends upon receipt of these documents in Washington. Therefore, may we have a prompt reply to this request.

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

FILE COPY
SURNAME:
500

Keating
Ellis
Bishop

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

AUG 27 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. DMA 2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Dear Mr. Miller:

This refers to your memorandum of July 30, 1953, with which you enclosed certain photostatic prints of documents relating to the title of the property included in the above project, together with a copy of a letter from the Applicant's attorney.

Our Chief Counsel advises us that there should be submitted to this office for inspection a copy of assignment by Mrs. Hall of her interest in the lease, as well as a copy of assignment of Mr. Hall's interest in the lease to the operator corporation. For your information a copy of the Chief Counsel's memorandum is enclosed.

Please endeavor to obtain the above-mentioned documents and have them forwarded to us so that further delay in drawing a contract may be avoided.

Sincerely yours,

Ernest Wm. Ellis
857

ACTING Chairman, Operating Committee

APPROVED:

M. H. Kline 857
Member, Bureau of Mines

D. M. Norrabee 857
Member, Geological Survey

AGKeating/hmj
(8/25/53)
CC to: Docket
Adm. R. File
Op. Committee
Base Metals Division
Mr. Kinkel
Mr. Bishop
Chron.

8-27-53

FILE COPY
SURNAME:

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

MSinRR

Received 8/26/53

AUG 2 6 1953

Mr. Walter D. Abel
Division of Corporations
State of California
800 Mirror Building
145 South Spring Street
Los Angeles 12, California

Re: Calivada Development Company
Docket DMEA-2770
Your file 50697SAC

Dear Mr. Abel:

Acknowledgment is made of your letter dated August 14, 1953, in which you state that the subject company has made application for a permit to sell securities to finance the development of its property, and in connection therewith has made claims to the effect that the DMEA engineers have investigated the property and approved the proposed exploration project. You also report that the applicant's representative has stated that "it is my understanding that the management of the Calivada Development Corporation receives payment from the Government on the basis of a monthly report." You inquire if DMEA has entered into a contract with the subject firm and request information as to the terms, amounts, etc.

This is to advise you that the DMEA Field Team examined the subject property during December 1952. On the basis of allavailable data, the DMEA is disposed to consider favorably a small exploration project which will entail approximately 135 feet of shafting and in the neighborhood of 600 feet of lateral development work. The Government would participate in the costs of all, or any part, of the above work that is finally approved, on the basis of 50 percent.

Further processing of the application has been held up since April 3, 1953, due to certain deficiencies in the operator's interest in the mining claims. The DMEA is presently in correspondence with the applicant for the purpose of determining whether these deficiencies can be remedied.

Should a contract be executed for the exploration of the subject property, the applicant will be reimbursed, on a monthly basis, for 50 percent of all costs which are admissible under the terms of the contract.

The Calivada Development Company is not presently receiving payments from the Government, such as the statement of the representative might imply.

Sincerely yours,

C. O. Mittendorf

Administrator

COMittendorf/fw
8/26/53

cc: Admr Reading File
Mails & Files
Base Metals Div.
Region III
Mr. Bishop
Mr. Kinkel
Mr. Mittendorf

HHK
8-27-53

FILE COPY
SURNAME:

200

Adams

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

Mr. Walter D. Abel
Division of Corporations
800 Mirror Building
145 South Spring Street
Los Angeles 12, California

Dear Mr. Abel:

This will acknowledge your letter dated August 14, 1953, with regard to the Calivada Development Company, your reference File No. 50697SAC.

Please be advised that the Calivada Development Company has filed an application for an exploration project with this Agency, and at the present time it is being evaluated for a possible exploration project contract. Details of the application cannot be divulged until a contract is entered into between the Calivada Development Company and this Agency.

Sincerely yours,

Administrator

REAdams/meb
8-19-53
cc to: Adm.Reading File
Mails & Files Br.

Mag. III

Sacramento 14 Principal Office
110 State Office Building

San Francisco 2
243 State Building

Los Angeles 12
800 Mirror Building

Earl Warren
Governor of California

Edwin M. Daugherty
Commissioner

State of California
Division of Corporations

Los Angeles, California
August 14, 1953

Mr. M. C. L. Mittendorf
Administrator Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

Re: CALIVADA DEVELOPMENT COMPANY 50697SAC

Dear Mr. Mittendorf:

The property of captioned company is known as the Roosevelt Lode (Mineral Survey 4806), also as the El Dorado mine, in SEC. 34, T.12N., R.10E., and in Lot 2 of SEC. 3, T.11N., R.10E., M.D.M., El Dorado County, California.

It has filed an application at this office for permission to sell securities in order to finance development of its property and in connection therewith filed a report by Mr. Norman Dolloff, Engineer and Geologist. He states, among other things--

> "In October 1952 application was made to the Defense Minerals Administration for a loan to assist the financing of exploration".
>
> "The El Dorado Copper Mine property has been investigated by federal engineers and has been approved by them".
>
> "It is my understanding that the management of the Calivada Development Corporation receives payments from the Government on the basis of a monthly report----".

Mr. M. C. L. Mittendorf
Re: CALIVADA DEVELOPMENT COMPANY 50697SAC

No details are given and we would like to ascertain, if possible if any contract has been entered into between your office and subject company, and if so - any information you are able to give us, confidentially, as to amounts, terms, etc.

Thanking you, I am,

Yours very truly,

WALTER D. ABEL
Engineer

WDA:EH

Keating
Betty

AUG 2 6 1953

Docket

Mr. Walter D. Abel
Division of Corporations
State of California
800 Mirror Building
145 South Spring Street
Los Angeles 12, California

Re: Calivada Development Company
Docket DMEA-2770
Your file 50697SAC

Dear Mr. Abel:

Acknowledgment is made of your letter dated August 14, 1953, in which you state that the subject company has made application for a permit to sell securities to finance the development of its property, and in connection therewith has made claims to the effect that the DMEA engineers have investigated the property and approved the proposed exploration project. You also report that the applicant's representative has stated that "it is my understanding that the management of the Calivada Development Corporation receives payment from the Government on the basis of a monthly report." You inquire if DMEA has entered into a contract with the subject firm and request information as to the terms, amounts, etc.

This is to advise you that the DMEA Field Team examined the subject property during December 1952. On the basis of allavailable data, the DMEA is disposed to consider favorably a small exploration project which will entail approximately 135 feet of shafting and in the neighborhood of 600 feet of lateral development work. The Government would participate in the costs of all, or any part, of the above work that is finally approved, on the basis of 50 percent.

Further processing of the application has been held up since April 3, 1953, due to certain deficiencies in the operator's interest in the mining claims. The DMEA is presently in correspondence with the applicant for the purpose of determining whether these deficiencies can be remedied.

Should a contract be executed for the exploration of the subject property, the applicant will be reimbursed, on a monthly basis, for 50 percent of all costs which are admissible under the terms of the contract.

The Calivada Development Company is not presently receiving payments from the Government, such as the statement of the representative might imply.

Sincerely yours,

Administrator

COMittendorf/fw
8/26/53

cc: Admr Reading File
Mails & Files
Base Metals Div.
Region III
Mr. Bishop
Mr. Kinkel
Mr. Mittendorf

FILE COPY
SURNAME:

140

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

August 24, 1953

Memorandum

To: The Administrator
Through: Mr. W. R. Griswold

From: Chief Counsel

Subject: Calivada Development Company, Docket No. DMEA-2770 (Copper)

Reference is made to Mr. Keating's memorandum of August 20 to me questioning the sufficiency of the additional data regarding the operator's interest in the land, forwarded with the letter of July 27, 1953, from the operator's attorneys to Mr. Miller.

1. This letter indicates that the map furnished by the operator correctly delimits the boundaries of the two parcels of land in question, although it erroneously refers to "Mineral Patent No. 4806." This should be changed to read "Survey No. 4806."

2. The operator's attorneys properly explain the omission of the signature of Mrs. Weiler on the lease. They indicate, however, that the necessity for Mrs. Hall's signature on the lease is obviated by the fact that she subsequently assigned all her interest in the property to the operator corporation.

There should be forwarded to us for inspection a copy of this assignment and a copy of the assignment of Mr. Hall's interest to the operator corporation, both of which appear to be in the possession of the operator's attorneys. It is my opinion that a contract can now be drawn, subject to receipt of the above-mentioned documents.

J. L. Hofflund

J. L. Hofflund
Chief Counsel

AEKane:ep

Copy to: Mails & Files
Mr. Griswold
Mr. Hofflund
Mr. Kane
Chron.

8-24-53

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

August 24, 1953

Memorandum

To: The Administrator
Through: Mr. W. R. Griswold

From: Chief Counsel

Subject: Calivada Development Company, Docket No. DMEA-2770 (Copper)

Reference is made to Mr. Keating's memorandum of August 20 to me questioning the sufficiency of the additional data regarding the operator's interest in the land, forwarded with the letter of July 27, 1953, from the operator's attorneys to Mr. Miller.

1. This letter indicates that the map furnished by the operator correctly delimits the boundaries of the two parcels of land in question, although it erroneously refers to "Mineral Patent No. 4806." This should be changed to read "Survey No. 4806."

2. The operator's attorneys properly explain the omission of the signature of Mrs. Weiler on the lease. They indicate, however, that the necessity for Mrs. Hall's signature on the lease is obviated by the fact that she subsequently assigned all her interest in the property to the operator corporation.

There should be forwarded to us for inspection a copy of this assignment and a copy of the assignment of Mr. Hall's interest to the operator corporation, both of which appear to be in the possession of the operator's attorneys. It is my opinion that a contract can now be drawn, subject to receipt of the above-mentioned documents.

J. L. Hoffland

J. L. Hoffland
Chief Counsel

FILE COPY
SURNAME:
500

Keating

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

August 20, 1953

Memorandum

To: Chief Counsel

From: Base Metals Division

Subject: Docket No. DMA 2770 Calivada Development Co. (Copper)
El Dorado Mine, El Dorado County, California

This refers to a memorandum from your office, April 3, 1953, to the Rare and Miscellaneous Metals Division in which it is stated that it appears that the Applicant does not have any interest in the property designated for exploration, together with other difficulties noted.

A review of the file will show that this office requested the additional information required April 13, 1953, and July 10, 1953, but the Applicant delayed response until July 30, 1953. At that time he delivered to the Field office certain documents and a letter from Johnson & Lemon, attorneys, Sacramento, California, which purported to remedy the deficiencies.

Your advice regarding the legal sufficincy of the data supporting the application is requested.

/s/
A. C. Keating

Attachment

Docket
Base Metals
Chron.

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

Defense Minerals Administration
RECEIVED
AUG - 3 1953

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

July 30, 1953

Memorandum

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

Keating

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2770 (Copper)
Calivada Development Co.
El Dorado Mine, El Dorado County, Calif.

Reference is made to your letter dated July 10, 1953, regarding the necessity of remedying certain deficiencies in the titles to the property of the subject company.

Mr. Hal T. Hall, in response to my request of April 24 and July 15, called at the office yesterday and left certain documents with me which he said would answer your questions.

These documents, which are black photostatic prints, are attached to a letter dated July 27, 1953, to me from Johnson and Lemmon, Attorneys at Law, Sacramento, California. A copy of the attorneys letter is enclosed.

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
AUG - 3 1953

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

July 30, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2770 (Copper)
Calivada Development Co.
El Dorado Mine, El Dorado County, Calif.

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H. C. MILLER

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

Attachments

Copy to: E. H. Bailey, USGS

JOHNSON & LEMMON
ATTORNEYS AT LAW
600 ANGLO BANK BUILDING
SACRAMENTO 6, CALIF.

FONTAINE JOHNSON
JOHN VINCENT LEMMON

July 27, 1953

United States Department of the Interior,
Defense Minerals Exploration Administration,
1012 Flood Building,
870 Market Street,
San Francisco 2, California.

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

Re: Docket DMEA-2770 (Copper)
Calivada Development Co.
El Dorado Mine
El Dorado County, Calif.

Gentlemen:

We have been retained by the Calivada Development Company as its legal advisers. We have been requested to answer your letters of April 24th, 1953 and July 15th, 1953, directed to Mr. Hal T. Hall, President of the Calivada Development Company.

In regard to the questions raised concerning the description of Parcel No. 2 of the Roosevelt Claim, please be informed that Parcel No. 2 is not a patented piece of property and that Parcel No. 2 is located in Lot No. 2. We enclosed herewith certified true copy of a deed from Marcus P. Bennett to Samuel H. Brady, dated June 15th, 1916, and refer therein to a paragraph marked with red pencil found on the second page thereof which contains a complete description of said Parcel No. 2. This deed constitutes a link in the chain of title from the Central Pacific to the Calivada Development Company.

Reference is made to Paragraph 4 of the letter dated April 3d, 1953, directed to the Chief, Rare and Miscellaneous Metals Division, from your Chief Counsel, respecting the Lease and Purchase Agreement, dated April 20th, 1953. Please be informed that said agreement is not signed by Mrs. Weiler because at the date of the granting thereof Mrs. Weiler was deceased. In view of the fact that the purchase was originally made by the Weilers with community funds, her interest passed upon her death to Mr. Weiler, and hence her signature would be unnecessary to transfer the entire interest to Mr. Hall. The value of having Mrs. Hall sign the agreement is obviated by the fact that we have in our files an assignment of all of her interest therein to the Calivada Development Company.

Parcel No. 1 holds a patent number of 221086 and the number 4806 is the survey number.

Our files contain an assignment of all of Mr. Hal T. Hall's rights to Parcels Nos. 1 and 2 to the Calivada Development Company, your applicant corporation. If a copy of these assignments are required by you, we will be happy to furnish them to you.

We, also, enclose herewith a certified copy of the original deed from the Central Pacific Railroad Company to Marcus P. Bennett of that property which we have heretofore described as Parcel No. 2. This deed may be of assistance to you in tracing the ownership in the Calivada Development Company.

If we can be of any further assistance to the Defense Minerals Exploration Administration in regard to the above matter, please do not hesitate to call upon us.

Very truly yours,

For Johnson & Lemmon

JVL:G
Encs.

IN WITNESS WHEREOF, the said party of the first part has hereunto set his hand and seal the day and year first above written.

$1.00 Marcus P. Bennett...(Seal)

State of California,

County of El Dorado :: SS On this 15th day of June in the year of one thousand nine hundred and six teen before me, George H. Thompson, a Notary Public in and for the County of El Dorado, State of California, residing therein, duly commissioned and qualified, personally appeared Marcus P. Bennett known to me to be the person whose name is subscribed to the within instrument and who acknowledged that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my office in the said County of El Dorado, the day and year in this certificate first above written.

(S E A L)) George H. Thompson.....Notary Public In and for the County of El Dorado, State of California.

My Commission expires January 5, 1919.

Filed for record at the request of Samuel H. Brady, June 15th, 1916 at 40 min. past 4-o'clock P.M.

Chas E Mau[illegible]
Recorder of El Dorado County.

The foregoing is a full, true and correct copy of the original recorded in this office in Book 85, Page 396, of DEEDS

JAMES W. SWEENEY
Recorder in and for the County of El Dorado, State of California.

By Ethel Ann Carter Deputy

Date 7/24/53

The foregoing is a full, true and correct copy of the original recorded in this office in Book 56, Page 50, of DEEDS

JAMES W. SWEENEY
Recorder in and for the County of El Dorado, State of California.

By Ethel Ann Carter Deputy

Date 7/24/53

same as such officer; and also personally appeared DAVID B. HEMPSTEAD, known to me to be the Secretary of the said Corporation, and to be the person who subscribed the said instrument as such officer, and each duly acknowledged to me that the said Corporation and he as such officer thereof, executed the foregoing instrument freely and voluntarily, and for the uses and purposes therein mentioned. And I further certify that I know the seal affixed to the said instrument to be the Corporate Seal of the said Corporation.

L.S.

IN WITNESS WHEREOF, I have hereunto sent my hand and affixed my Official Seal, at my office in the City and County of Salt Lake, State of Utah, the day and year in this Certificate first above written.

(SEAL)

WILLIAM H. BIRD, A Commissioner of Deeds for the State of California, residing in the City and County of Salt Lake, State of Utah.

STATE OF NEW YORK :
: SS
CITY AND COUNTY OF NEW YORK :

BE IT REMEMBERED, that on this twenty-seventh day of February in the year one thousand nine hundred, before me, the undersigned, George H. Corey, a Commissioner resident in the City of New York, duly Commissioned and qualified by the executive authority, and under the laws of the State of California, to take the acknowledgement of deeds, &c., to be used or recorded therein, personally appeared James J. Clark Second Vice President of the United States Trust Company of New York, and Louis G. Hampton, Assistant Secretary of said Company, whose names are subscribed to the annexed instrument as such Second Vice President and Assistant Secretary respectively of said Company, one of the parties thereto; and who are personally known to me to be the Second Vice President and Assistant Secretary respectively of the United States Trust Company of New York, the Corporation that executed said instrument, and who acknowledged to me that they executed the said instrument as the Second Vice President and Assistant Secretary respectively, of said Company, for, on behalf and in the name of said Company, as its free and voluntary act and deed for the uses and purposes therein mentioned, and in pursuance of the order and resolution of said Company directing said instrument to be executed by signing the same as Second Vice President and Assistant Secretary respectively thereof; and affixing thereto its corporate seal, and they further severally acknowledged to me that said Company executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year aforesaid.

(SEAL)

Geo. H. Corey Commissioner for the State of California, Office, 56 Wall Street, New York.

Filed for Record at the Request of
M. F. Bennett, November 1st., 1900, at 10:45/60 o'clock A.M.
Recorded December 8th., 1900, at 9:10/60 o'clock A.M.

John T. Fisher ----County Recorder.

By---J. F. Owen----------Deputy.

CENTRAL PACIFIC RAILWAY COMPANY
A N D
UNITED STATES TRUST COMPANY

--- T O ---

MARCUS P. BENNETT

Series A.- C.P. Deed No. [illegible].

This Indenture, Made the 17th February 1900 by and between the CENTRAL PACIFIC RAILWAY COMPANY, a corporation of the State of Utah, party of the first part, the UNITED STATES TRUST COMPANY OF NEW YORK, a corporation of the State of New York, as Trustee under Mortgage or Deed of Trust from the Central Pacific Railway Company, bearing date [illegible], party of the second part, and MARCUS P. BENNETT, party of the third part, WITNESSETH:

That the party of the first part, for and in consideration of the sum of [illegible] Dollars, receipt whereof is hereby acknowledged, does [illegible] unto the party of the third part, his heirs and assigns, the following property, situate in the County of El Dorado, State of California, Lot [illegible] of North West Quarter [illegible] of Section [illegible], in Township Eleven (11) North, Range [illegible] [illegible], containing Thirty-three [illegible] (33 47/100) acres, [illegible] together with all the rights, privileges [illegible] [illegible].

And the party of the second part, [illegible] Mortgage [illegible] [illegible] [illegible] President [illegible] [illegible] Railway Company, [illegible] [illegible] [illegible] [illegible] August 1, [illegible] [illegible].

IN WITNESS WHEREOF, [illegible] [illegible] [illegible] Assistant [illegible] [illegible].

[illegible]
[illegible]

[illegible]
[illegible]

2nd Vice
[illegible]
Trust Company of New York.

[illegible]
[illegible] Trust Company of New York.

[illegible]
[illegible]

[illegible] 21st day of February [illegible] [illegible] [illegible] [illegible] State of California [illegible] [illegible] [illegible] [illegible], commissioned and [illegible] [illegible] in the City [illegible] County of [illegible], in the State of Utah, personally [illegible] [illegible], known to me to be the President of the Central Pacific Railway Company, the corporation that executed the foregoing instrument, and to be the person who subscribed the

Dorado County, State of California, for which premises United States patent was issued to the party of the first part, dated the 14th day of August 1911, which patent is of record in Book L of Patents at page 64 of said El Dorado County Records, and which patent and the record thereof are hereby referred to for a particular description of said Roosevelt Lode Mining Claim.

Also the following described portion of Lot 2 of Section 3, Township 11 North of Range 10 East Mt. Diablo Base and Meridian viz:

Commencing on the North line of said Lot 2 at corner No. 1 of said Roosevelt Lode Mining Claim, thence South 30° 44' East 642.5 feet, thence East 600 feet, thence North 30° 59' West 642.5 feet to corner No. 2 of said Roosevelt Lode Mining Claim on the said North line of said Lot 2, thence West 600 feet to the place of beginning and also any veins, lodes or ledges throughout their entire depth in said Lot 2, the tops or apexes of which lies within the surface boundary lines of said above granted portion of said Lot 2, extended downward vertically, although such veins, lodes or ledges in their downward course may so far depart from a perpendicular as to extend outside the vertical side lines of said premises, provided, that the right of possession to such outside parts of said veins lodes or ledges shall be confined to such portsions thereof as lie between vertical planes drawn downward through the North and South lines of said above granted portion of said Lot 2, so continuing in their own direction that such planes will intersect such exterior parts of said veins, lodes or ledges and provided further, that nothing herein contained shall authorize the grantee herein to enter upon the surface of any portion of said Lot 2, other than the above granted portion thereof, and the right of way hereinafter granted.

Together with a right of way for a wagon road from a point in Lot 3 Township 11 North Range 10 East Mt. Diablo Meridian on the Placerville and Georgetown road nearly opposite a cabin now standing on the West side of said road and passing thence Easterly to the South of an open-cut along the Blue Lead Ledge and thence following the ravine and adjoining hillside in an Easterly direction through said Lot 3 and said Lot 2 to the above granted premises.

Provided, however, that there is hereby expressly excepted and reserved to the party of the first part, his heirs and assigns from the operation of this conveyance all veins, lodes ledges or deposits of quartz or other rock in place bearing gold, silver, cinnabar, led, tin copper or other valuable deposit, the tops or apexes of which lie in land to the West of the Western boundaries extended vertically downward of all the parcels of land above described, and the same shall be held subject to the right of the party of the first part, his heirs or assigns to enter under the surface of the same for the purpose of extracting and removing the ore from such veins, lodes or deposits, should the same or any part thereof be found to penetrate, intersect, pass through, or dip into any of the land and premises above described and granted.

TOGETHER with the tenements, hereditaments and appurtenances thereunto belonging or appertaining and the reversion and reversions, remainder and remainders, rents, issues and profits thereof.

TO HAVE AND TO HOLD the said premises, together with the appurtenances unto the said party of the second part and to his heirs and assigns forever.

No.807

Marcus P. Bennett
-----TO---
Samuel H. Prady

THIS INDENTURE, Made the Fifteenth day of June one thousand nine hundred and sixteen, between Marcus P. Bennett of El Dorado County, State of California, the party of the first part and Samuel H. Prady of San Francisco State of California, the party of the second part, W I T N E S S E T H: That the said party of the first part in consideration of the sum of ten dollars, gold coin of the United States of America to him in hand paid by the party of the second part, the receipt whereof is hereby acknowledged does by these presents grant, bargain and sell unto the said party of the second part and to his heirs and assigns forever, all those certain lots, pieces or parcels of land situate in the County of El Dorado, State of California, and bounded and described as follows to-wit:

That certain mining claim or premises known as the Roosevelt Lode Mining Claim, designated by the Surveyor- General as Survey No. 4806 embracing a portion of Section 34 in Township 12, North of Range Ten East of the Mt. Diablo Meridian, Garden Valley Mining District,El

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 20 1953

Docket

Office of
Executive Officer
DMEA Field Team
Region III

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

July 15, 1953

Mr. Hal T. Hall, President
Calivada Development Company
Box 4
Garden Valley, California

Re: Docket DMEA-2770 (Copper)
Calivada Development Co.
El Dorado Mine
El Dorado County, Calif.

Dear Mr. Hall:

To date we have had no reply to my letter dated April 24, 1953.

The Washington Office of the Defense Minerals Exploration Administration has written again under date of July 10, asking me if you are still interested in an exploration program.

As it appears that you have had ample time to arrange for the required correction of deficiencies, it will be appreciated if you will let me know promptly about your future plans regarding the proposed exploration program.

Sincerely yours,

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 20 1953

Office of
Executive Officer
DMEA Field Team
Region III

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

July 15, 1953

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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

FILE COPY
SURNAME:
Docket
Keating
Selfridge

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

JUL 10 1953

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

Re: Docket No. [illegible] 2770 (Cooper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Dear Mr. Miller:

This refers to our letter to you dated April 13, 1953, in which there was enclosed a memorandum from our Chief Counsel regarding the necessity of remedying certain deficiencies in order to clarify the title to the property of the subject company.

Counsel's memorandum points out that a contract cannot be written until it is shown that the applicant has sufficient interest in the land as described in Order-1.

If the applicant is still interested in an exploration program, it appears that he has had ample time to arrange for the required correction of the deficiencies. We will appreciate your advising us as to the present status of this application.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

AGKeating/jh
7/9/53
cc. to: Docket
Adm. Reading File
Oper. Comm.
Base Metals
Chron.
Messrs. Bishop
Kinkel

R.C.G. 7-10-53

FILE COPY
SURNAME:

Schmidt
Elly
Selfridge
Johnson

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

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

APR 13 1953

Re: Docket No. DMA-2770 (Copper)
Calivada Development Company
El Dorado Mine
El Dorado County, California

Dear Mr. Miller:

J.C. 4/13/53

Enclosed is a memorandum from the legal department concerning the title of the subject property. It will be necessary to remedy the deficiencies mentioned in the memorandum in order to clarify the title.

It is noted in the outline report, dated December 10, 1952, by Mr. Hal T. Hall that he states the patent to both parcels of the Roosevelt Claim was granted and recorded in the Office of the Recorder of El Dorado County on August 14, 1911. The Bureau of Land Management records show that the Roosevelt Claim consisting only of Parcel No. 1 has Patent No. 221086, Survey No. 4806, and does not include Parcel No. 2 or any other land south of the Township line. It is, therefore, requested that the patent number, survey number and the name of claim shown as "Parcel No. 2" on the map also be provided.

Sincerely yours,

George C. Selfridge
Operating Committee (JHB)

Enclosure

APPROVED:

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

A. R. Kinkle, Jr.
Member, Geological Survey (JHB)

FSSchmidt/eef 4/8/53
cc to: Adm. Reading Files
Operating Committee
Docket
Messrs. ARKinkle, Jr. Rm. 4234
CHJohnson Rm.3621
Ellis.... Schmidt
DMEA Field Team. Reg III

Parcel No.1 Roosevelt patented claim Survey No 4806 in S.E.1/4 of Section 3/24 T. 12 N
Pat # 224086
R 10 E MDM recorded in Book L of Patents page 64

Parcel No2 described as follows; Commencing on the North Line of said ~~Lock~~
Parcel 2 at Corner No.1 of ~~said~~ said Roosevelt Mining claim; thence south 30 degrees
44 minutes east 642.5 feet thence east 600 feet thence north 30 degrees 59 minutes
west 642.5 feet to corner No 2 of said Roosevelt Minint claim on the said north
line of said Parcel No.2 thence west 600 feet to place of beginning
locatee in N.E. 1/4 of Section 3 To 11 N. R 10 E ~~MDM~~.M.D.M.

~~State Co. Recorded~~ Shaft 1 X 11 5 ft

Recording Claim #2
is # 4806 the Plat on Survey #
4806 is Survey #
Name Report P.4 - No. 5 # 4606 should be 4806

Deepen shaft from 100' to 235'
135 feet @ 84.98 11,472.30

Drift 250 ft North Western on 200 ft level
250 feet @ 39.19 9,797.50

Stage
Drift from 250 ft on 200 ft level
to 600 ft = 350 ft @ 39.19 13,716.50
34,986.30

MF-200 (A)
(February 1952)

DOCKET DMEA 2770

COMMODITY Copper

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Calvada Development Co - a corporation organized and existing under the laws of the State of Nevada & domiciled in the Box 4 - Garden Valley El Dorado County Calif. State Calif

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 Calif., County of El Dorado, described as follows:[3] Roosevelt claim No. 1 Survey No. 4806 in SE¼ Sec 34 T12N R10E MDM & unpatented No. 1 Sec 3 T11N R10E MDM. and Roosevelt in Sec

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: _____

(*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 _____ days from the date of this contract shall commence work on a project of exploration for[5] _____

in or upon the described land; and shall bring the project to completion within a period of _____ 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. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. 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 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay _____ percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $_____, which is _____ percent of $_____, 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 check or 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. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed 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 units of work performed 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.

[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*) *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 the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, 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 and statement of work performed to accompany his final report.

ARTICLE 6. *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 the 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 7. *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 8. *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.

ARTICLE 9. *Changes and added provisions* _____

_____

_____

_____

_____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

_____
(Operator)

By _____

By _____

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]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

4/7/53 gla

REGINALD L. VAUGHAN
VARNUM PAUL
JOHN G. LYONS
FLORENCE A. LINSLEY

LAW OFFICES OF
REGINALD L. VAUGHAN
MILLS TOWER
SAN FRANCISCO 4

TELEPHONE
EXBROOK 2-1423

April 2, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 1953

Defense Minerals Exploration Authority
Washington, D. C.

Attention: Mr. F. Sommer Schmidt

Re: Docket No. 2770 - Application of
Calvida Development Company of
Garden Valley, California

Gentlemen:

While in Washington, D.C., on March 11, 1953, I conferred with your Mr. Schmidt relative to the above application.

At that time Mr. Schmidt requested certain information from me. I have requested this information from Mr. Hal T. Hall, manager of applicant company, which he has supplied as represented by the enclosures.

If there is any further information you desire, please let me know.

As indicated in Mr. Hall's letter to me the delay in supplying this information results from an unfortunate accident which he recently had at the mine.

Very truly yours,

R. L. Vaughan

RLV:mp
Enc.
cc: Mr. Hal T. Hall
Air Mail

CALIVADA DEVELOPMENT COMPANY
P. O. BOX 4
GARDEN VALLEY, CALIFORNIA

March 28, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 1953

Mr. Reginald L. Vaughan
Room 1418 Mills Tower
220 Bush Street
San Francisco, California

Dear Mr. Vaughan:

I seriously regret the delay in getting the information out to you relative to our DMEA Loan Application; but I presume that Dr. Dolloff or Mr. Cutten, has explained my impairments as a result of an accident which occurred a week ago.

The following information is augmented with enclosed copies of an outline report, deed, cost figures, etc., together with a map of the proposed development work which were all submitted in quadruplicate to the DMEA in our loan application. They are explanatory.

DESCRIPTION OF PROPERTY

The description of the property is referred to in the enclosed outline report and also a copy of the grant deed. Both parcels are patented with all mineral rights and comprise an area a little less than twenty acres.

PROPOSED DEVELOPMENT WORK

The map enclosed, a copy of which was included in the loan application, describes the proposed development work; also in paragraph 9-(m), in outline report.

RE VERTICAL OR INCLINE DEVELOPMENT

Since several data in reports, which are in the DMEA possession indicate in detail that the ore body dips 70 degrees to the East it could only be assumed that it would be interpreted that the proposed development would surely be to follow the ore. It would be completely valueless, from an ore development viewpoint, to sink vertically off into barren country rock formation; hence the development as described is to be carried forward on the incline of the orebody which dips 70 degrees to the east.

LEGAL TITLE

Copy of contract between Weiler and Hall which were included in loan application is attached and is explanatory. It has not been consummated else it would never have been mentioned in the application.

Since the enclosed map, reports, etc., are my only file copies and I have no others, I would appreciate their return when ever you are through with them at your convenience.

I want to say that I am most grateful for your kind attention to this affair, Mr. Vaughan, and I trust it will not have put you in too much inconvenience.

Yours very truly,

CALIVADA DEVELOPMENT COMPANY

Hal T. Hall

Hal T. Hall
Manager

P. S.
We are incorporated in the State of California.

MINING REPORT
ON THE

[illegible] GOLDEN MINE

Rec'd 4/4/5

1 - The El Dorado Gold Mine is located about one mile south of Garden Valley, El Dorado County, California, which is about 12 miles north of Placerville, California.

DESCRIPTION

2 - This mining property consists of two parcels of land, both of which are two patented mining claims. The one parcel on the north and known as the Roosevelt Lode Mining Claim, Patent Survey number 4006, is situated in the N. E. ¼ of Section 24, Twp. 12 N., R. 10 E. M. D. B. & M., and the other parcel adjoining immediately south is known as Parcel # 2, and is situated in Section 3, Twp. 11, N. R. 10 E. M. D. B. & M. (The statement in the Report of Examination # 3696, by the United States Bureau of Mines, that this lower parcel # 2, is unpatented is in error. The patent to both parcels was granted and recorded in the office of the Recorder of El Dorado County, on August 14, 1911.)

3 - Title to the property is in the names of Pal E. Hall and R. A. Heiler. Pal E. Hall, has a contract in force, to purchase the Heiler one-half interest. This contract is attached for further reference.

ACCESS ROAD

4 - Twelve miles of gravel road connects the property with Placerville, and 19 miles of paved road to Auburn, California, both of which are supply centers and rail shipping points.

WATER

5 - The mine produces about 200 gallons of water per minute throughout the year - an adequate amount for all mining and milling purposes. In addition to this there is a well on the property which supplies adequate domestic water.

POWER

6 - The present operators have installed their own 12000 volt transmission line which connects to the P. G. & E. trunk line ½ mile distant. The rates are comparable to the industrial rates of the metropolitan districts. 250 to 350 horse power will be used in the mine and milling operations.

BUILDINGS

7 - Steel hoist building and headframe with ore bin
Warehouse shop and office building (wood construction - steel roof)
Two compartment bunk-house (wood construction)
Change room (Steel construction)

[illegible] Building [illegible] new and some [illegible] at a cost of [illegible].

[illegible]

[illegible] plant (flotation), 125 ton capacity, is on property, [illegible] installed.

8 - [illegible] cu. ft. air compressor, installed.

- [illegible] ft. [illegible], [illegible].

[illegible] tools [illegible] a complete [illegible] equipment and [illegible] tools - [illegible] value of which can be [illegible] to [illegible] balance sheet.

[illegible] & [illegible]

9-(a) In the early days of mining in California, [illegible] - [illegible], prospectors mined [illegible] containing gold within and adjacent to this property. Numerous old tunnels, [illegible], etc., bear some witness together with some records which do not indicate very much factual data as to production or coveries on this [illegible]. The immediate vicinity, stands on this [illegible] however, as to gold production throughout all these years. In the [illegible] of mining, however, little attention was given, by the prospectors, to other non-ferrous minerals occurring, perhaps, those with exceptionally strong surface showings. Most of these were given little consideration since most conditions in that era did not offer [illegible] profit on these minerals as compared to gold.

9(b) The early [illegible] has obviously discovered the copper ore [illegible] old tunnel. They had [illegible] on this property as a very strong showing of [illegible] and [illegible] the [illegible] feet in [illegible] and [illegible] the [illegible] of the drift. No records or stories indicate the reasons for their [illegible] leaving this ore. [illegible] - [illegible] reasons as previously [illegible].

9(c) In the vicinity of the gold [illegible] in the [illegible] years, obviously [illegible] little [illegible] was given to this mine until it was [illegible] and [illegible] in 1912. Being [illegible] by the prolonged conditions of the [illegible] Mother Lode [illegible] [illegible] [illegible], [illegible] history, very careful [illegible] [illegible] this particular property [illegible] resulted in further development [illegible] short [illegible] (confidential) a possible sizeable body of primary [illegible]-pyrite [illegible].

9-(d) [illegible] specifically, [illegible] over six feet of [illegible] [illegible] evident in the old [illegible]. Early in 1944, a shaft was [illegible] and [illegible] the surface on this [illegible] to a depth of 50 feet, by [illegible] 7 [illegible].

of the shaft being only a few feet below the old drift where the ore was discovered.

At this point of development a request was made to the United States Bureau of Mines for possible aid in further development and presently one of their engineers visited the property. On completing his examination he recommended it as a project for a diamond drilling program. The Bureau of Mines began drilling early in March 1945 and carried the project on to the last of July of the same year. It consisted of eleven drill holes and after which a rather complete report, including maps, logs, etc., was made by the attending Bureau of Mines Engineer, Mr. Robt. H. Bedford, and is listed by the United States Bureau Of Mines as "Report Of Investigations #3896" on the EL DORADO COPPER MINE.

9-(e)

For various reasons no activity or developments were carried on from 1945, until December 20, 1950, when Hal T. Hall, contracted with H.A. Weiler, to purchase his one-half interest in the property. This contractwas later assigned to an organization of which Hal T. Hall is a member. The other members are; Col. Louis R. Ball, Dr. Ernest F. Russel, Byron Thornburgh, E.E. Hall Jr. and Warren Davis. This organization has since incorporated under the name of CALIVADA DEVELOPMENT COMPANY.

9-(f)

In January 1951, this company entered the property and resumed further development. In this procedure the first installation was the company's own power transmission line, ¼ mile in length, a new headframe and orebin erected over the shaft, a new electric hoist installed, the shaft completely retimbered and then carried on to the 100' level. A 350 cu ft. air compressor was installed and several buildings as mentioned under the caption of Buildings, previously.

9-(g)

In the sinking of the shaft, an average of three feet of nearly solid chalco-pyrite ore was encountered from the 50 foot level to the present depth. A sample car load of this crude ore was shipped to the American Smelting and Refining Company at Garfield, Utah, on which returns were paid on 10.30% copper content; but owing to the increase in production costs and also an increase in freight rates from $6.41 to $13.00 per ton, this shipment returned very little profit. Since the ore contained 40.6% iron and 40.2% sulphur on which freight was paid and no compensation derived therefrom, our previous plans for a flotation reduction plant on the property was concentrated on, and resulted in the purchase of a 125 ton capacity flotation mill which was brought on the property. The erection of the mill is 50% complete at this date.

9-(h)

In July 1951, some 500 tons of unselected ore, as removed from the shaft in sinking operations, which contained considerable slate carrying some chalco-pyrite in the seams, was treated in the flotation plant at the Alhambra Mine. The ore concentrated with a ratio of 5 to 1, and values from 17% to 21% copper per ton of concentrate. There were no difficult problems involved in the metallurgy, the recovery being above 98%.

9-(i)

The latter part of June 1952, a geophysical (resistivity) was made over the orebodies, in part, by Dr. Norman H. Dolloff, Geologist,

9-(j)

and Professor of Geology of the Colorado State College, with somewhat encouraging results in information gained over the information of the drill cores. The survey report by Mr. Bolloff, with maps and log is attached for reference.

Other pertinent information which is not included in Bedford's report is relative to the possible ore body directly west of the main ore lens'. The Parent of Mines Engineer discovered these cores that mentioned this area and which were referred to as disseminated pyrite. In those cores of drill holes numbers 3, 6, 4, 5 and 11, samples of the cores 12" above and below those points were taken and assayed by the writer. The results were encouraging in that they copper content as far as twenty feet from the main ore lens'. Hole #11, was the lowest in copper at 2.81 and hole #4, with 4.60 copper. It is reasonable to assume that ore of milling grade can be encountered in these areas.

9-(k)

In describing the geology of the District, little more is necessary than that which is mentioned by Prof. . Bedford in his report, enclosed. Numerous other men, Lyons and other eminent geologists have described and reported in detail the complete geology of the West Bell Creek of the Porter Lode and the immediate vicinity. A quotation of Lindgren may be noted here, describing the geology as lying to the immediate area; "The susceptibility of the slates to the replacement of the sulphides containing copper is no doubt influenced by the amphibolite schists noticeably present in the Georgetown area and extending south toward Golden, in flagering bodies." The El Dorado Copper Lines this formation on either side of the ore body and paralleling it's entire length. The distance between is about 300 feet; the lens of high grade ore approximately in the center.

9-(l)

The next proposed developments under consideration will consist of driving a drift north of the shaft at the 100 foot level in the ore and continue north for 600 feet; and simultaneously sinking the shaft to the 200 foot level; then running a drift north at this point. The map showing of these developments together with map of the proposed development are attached for a more complete reference.

9-(m)

Respectfully,

Ralph . Hall

Georgetown, Colo., 1932

COPY

Recd 1/4/51

MINE PURCHASE AGREEMENT

THIS AGREEMENT, made this 20th day of December, 1950, by and between H.A. WEILER, hereinafter called the party of the first part, and HAL T. HALL, hereinafter called the party of the second part,

W I T N E S S E T H :

That the party of the first part, for and in consideration of the sum of Ten Dollars ($10.00) cash in hand paid, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the party of the second part to be paid, kept and performed, does grant, convey, demise, and let exclusively to the party of the second part that certain tract of land known as the ROOSEVELT LODE OR PARCEL NO 1 and PARCEL NO 2, PATENTED MINING CLAIM, PATENT NO. 4806, and appearing ~~of~~ of record in the County Recorder's Office, of the County of EL Dorado, State of California.

This contract shall run for a period of three years, with the option to renew the same for an additional two years, upon thirty days written notice before the expiration of the three-year term. Said option to renew is predicated on the party of the second part continuing operations with due diligence to the time the said three-year term has expired; and it is further understood and agreed that the party of the first part may at all times enter said premises for the purpose of inspecting same.

The party of the first part does hereby let and grant exclusively to the party of the second part, the hereinabove described property for the sole purpose of geological exploration, developing and operating and mining precious and other minerals and by-products and to sell the products thereof and to pay to the said party of the first part a royalty of ten per cent (10%) of all proceeds from net smelter returns within fifteen days after settlement is received by the second party.

The full purchase price of the hereinabove described property is TWENTY-FIVE THOUSAND DOLLARS ($25,000.00), and the ten per cent royalty paid to the party of the first part shall apply as payments on the full purchase price. The said party of the second part shall reserve the right of paying the full amount of the purchase price or the balance thereof, at any time he elects to do so, during the life of this agreement.

This agreement shall constitute an executory contract of sale under the terms hereinabove and hereinafter set forth.

The party of the second part shall have a period of ninety days to begin work on said property, and it is hereby understood that he shall perform a minimum of forty (40) shifts per month, and that operations once commenced shall proceed in good faith and diligence in miner-like manner to extract and mine precious and other minerals that they may deem profitable.

The party of the second part agrees to carry a Workmen's Insurance Policy as required by the laws of the State of California, and will be placed in force at the beginning of operations.

The party of the second part further agrees to keep said premises free and clear of all costs, liens and encumbrances.

It is further understood and agreed that all taxes accruing on said property shall be met by the party of the second part during the life of this agreement.

This contract shall be terminated at the expiration thereof unless the option to renew is exercised as hereinabove set forth, in whic event it is to be terminated at the expiration of said option, or it may be terminated by the party of the second part upon giving thirty days written notice to the party of the first part. In either of these events or termination, the party of the second part shall have the right to remove all equipment, machinery and materials of all descriptions which are placed upon said property by the party of the second part within ninety days of the termination of this contract.

The party of the second part shall have the option at any time during the term of this contract, or extension thereof, to sell said property, subject to the terms of this contract, and any sale that is made by said second party, the party of the first part shall receive one-fifth of all moneys paid, but in no event to exceed the full purchase price of $25,000.00; and it is mutually understood that when said $25,000.00 shall have been paid in full, then the ten per cent royalties paid toward the purchase price shall cease, and the said party of the first part shall have no further right, title or interest in or to said property, or the profits thereof, and deliver to second party a good and sufficient Deed.

It is also understood and agreed by both parties that these presents contain a full and complete understanding between them, and that any change and/or alteration affecting any of the terms, covenants or conditions contained herein, shall be in writing and executed by both parties hereto; that is to say: any verbal understanding shall not be binding on either the party of the first part or the party of the second part.

This agreement shall be binding on the heirs, executors, administrators and assigns of all parties hereto.

IN WITNESS WHEREOF, both parties herto have hereunto set their hands and seal the day and year first above written.

H.A. Weiler
Party of the first part

Hal T. Hall
Party of the second part

COPY

GRANT DEED

Recd 4/4/5-

CHARLES J. PETERSON - et al
To
H.A. WEILER - et al

For and in consideration of the sum of $500.00 lawful money of the United States in hand paid by the Grantee, hereinafter named unto the Grantor, hereinafter named Charles J. Peterson and Florence Peterson, the Grantor, does by these presents, sell, transfer, grant, convey and confirm, free and clear of all encumbrance of every nature unto H.A. Weiler, Della Weiler, Hal T. Hall and Dayse Hall, Grantee, as tenants in commom, all that certain real property, situate in the County of El Dorado, State of California, and particularly described as follows, to wit:

That certain mining claim or premises known as the Roosevelt Lode Mining Claim, designated by the Surveyor General as Survey #4806, embracing a portion of Section 34, Township 12 North, Range 10 East, of Mount Diablo Meridian, Garden Valley Mining District, El Dorado County, State of California, dated 14th of August, 1911, for which premises, patent was issued to Marcus P. Bennett upon said date, and which said patent appears of record in Book L. of patents at page 64 of said El Dorado County Records, and which patent and record thereof are hereby referred to for further particular description as the Roosevelt Lode Mining Claim.

Also the following described portion of lot 2, of Section 3, Township 11 North, Range 10 East, M.D.B. & M.

Commencing on the North line of said Lot #2 at Corner #1, of said Roosevelt Lode Mining Claim, thence South 30 degrees 44 minutes East 642.5 feet; thence East 600 feet; thence North 30 degrees 39 minutes West 642.5 feet to Corner #2 of said Roosevelt lode Mining Claim on the said North line of said Lot 2; thence West 600 feet to place of beginning;

And

also any veins, lodes or ledges throughout their entire depth in said Lot 2,

extended downward vertically, although such veins, lodes or ledges in their downward course may so far depart from the perpindicular so as to extend out side the vertical sidelines of said premises, provided that the right of posession to such outside parts of said veins, lodes or ledges shall be confined to such portions thereof as lie between vertical planes drawn downward through the North and South lines of said above granted portions of said Lot 2, so continuing in their own direction that such planes will intersect such exterior parts of said veins, lodes or ledges and provided further that nothing herein contained shall authorize the grantee herein to enter upon the surface of any portion of said Lot 2, other than the above granted portion thereof and the right of way hereinafter granted.

Together with a right of way for a wagon road from a point in Lot 3, Township 11 North, Range 10 East, M.D.B. & M. , on the Placerville-Georgetown Highway nearly opposite a cabin standing on the West side of the road and passing thence easterly to the South of an open-cut along the Blue-Lead Ledge and thence following the ravine and the adjoining hillside in an easterly direction through said Lot 2, to above granted premises.

6. Estimated Costs Of Driving 5' x 7' Drift And Sinking 7' by 11' Two Compartment Shaft.

Item	Cost Per Foot Sinking	Cost Per Foot Drifting
Labor	$ 36.4444	$ 15.6210
Supervision	10.0000	4.2861
Maintenance	3.7895	1.6170
Electric Power	1.6666	0.7142
Fuel & Oil	2.2222	0.9523
Air Pipe	0.8000	0.8000
Water Pipes	1.0500	0.2500
Vent Pipe	0.7500	0.7500
Rail	0.8333	0.8333
Steel (bits & shanks)	2.5000	1.2000
Explosives	6.2833	5.4264
Detonators	2.6060	0.8914
Timbers & Lumber	5.4824	0.1250
Compensation Insurance	5.0372	2.1558
Unemployment Insurance	1.3740	0.5888
F.I.C.A. Tax	0.7633	0.3271
Office & Accounting	4.4444	1.9050
Analytical	0.3000	0.4500
* Miscellaneous	1.7777	0.7654
* Contingencies	3.9595	1.8220
Total	$ 92.0838	Total $ 41.48[illegible]

* Miscellaneous and Contingency Costs Estimated.

FILE COPY
SURNAME:

140

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

DEKane
Bartin

April 3, 1953

Memorandum

To: Chief, Rare and Miscellaneous Metals Division

Through: F. S. Schmidt

From: Chief Counsel

F. S. in R.R.

Subject: Calivada Development Company, Docket No. DMEA-2770

Reference is made to Mr. Schmidt's note regarding this case which came to us with a routing slip dated March 30.

It appears that the applicant operator does not now have any interest in the property designated for exploration. There are also other difficulties as hereinafter noted.

The file contains a copy of an undated and unsigned deed which recites that one Charles J. Peterson and Florence Peterson conveyed to H. A. Weiler, Della Weiler, Hal T. Hall, and Dayse Hall "the Roosevelt Lode Mining Claim designated ... as Survey #4806, embracing portions of Section 34, Township 12 North, Range 10 East, M.D.M.," and also a "portion of Lot 2 of Section 3, Township 11 North, Range 10 East, M.D.B.M." Apparently, these two lots are contiguous and a study of the map submitted by the operator indicates that the deed description refers to all of Lot 2 and not just a portion of it.

By a lease and purchase agreement dated December 20, 1950, but not signed by either of the wives of the original grantees, H. A. Weiler leased to Hal T. Hall for a three-year period, with an option to renew for two more years, "the Roosevelt Lode or Parcel No. 1 and Parcel No. 2, Patented Mining Claim, Patent No. 4806." Mr. Schmidt has ascertained that the patent on Parcel No. 1 is numbered 221086 and not 4806 which is the survey number; Parcel No. 2 is set forth on the map in that way without any definite name, and no recording data with respect to it is available.

Whatever rights Mr. Hall acquired by virtue of the afore-mentioned deed, and lease and purchase agreement, none of these rights seem to have been assigned or conveyed to the applicant corporation.

This contract cannot be written until it appears that the operator has the sufficient interest in the land as described in DMRA Order-1, and the discrepancies and deficiencies noted above and underlined are corrected.

AEKane

for J. L. Hofflund
Chief Counsel

Attachment

AEKane/em
Copy to: Mails and Files
J. L. Hofflund
A. E. Kane
chron.

4/3/53 gla

UNITED STATES 140
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

April 3, 1953

Memorandum

To: Chief, Rare and Miscellaneous Metals Division
Through: F. S. Schmidt

From: Chief Counsel

Subject: Calivada Development Company, Docket No. DMEA-2770

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Alf Ekane

for J. L. Hofflund
Chief Counsel

Attachment

3/10/53

Get confidential section of BM ~~IR~~ RI 3896

for their estimate of ore developed by drilling

and check this against Edwin Lyons

Get DMPA 2185 application for production loan

3/24/53 gla

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

March 23, 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Chief Base Metals Branch

Subject: DMEA-2770 (Copper), Calivada Development Company
Eldorado Mine, El Dorado County, California

I have reviewed the report by Warne, dated February 10, 1953, transmitted by the Field Team March 5 with its implied blessing. The report recommends approval of the application, with some slight reduction in estimated costs. I believe the evidence presented supports the recommendation, and should be glad to concur in approval of the application.

There is just one thing I should like to suggest, if you will forgive my repeating myself. These little California prospects are forever filling up with water, as you know. Next time it happens the Government will be expected to have a nice assay map of the workings, but unless the contract specifically requires regular sampling of all mineralized showings it probably will not be done. My suggestion, of course, is that the contract include such a requirement.

C. H. Johnson

C. H. Johnson

Copy to - Mr. Kinkel, Room 4234-GSA
Minerals Division
C. H. Johnson
File

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1953

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

March 23, 1953

Memorandum

To: R. W. Ellis, DMEA

From: C. H. Johnson, Chief Base Metals Branch

Subject: DMA-2770 (Copper), Salivada Development Company, Eldorado Mine, El Dorado County, California

I have reviewed the report by Warne, dated February 10, 1953, transmitted by the Field Team March 5 with its implied blessing. The report recommends approval of the application, with some slight reduction in estimated costs. I believe the evidence presented supports the recommendation, and should be glad to concur in approval of the application.

There is just one thing I should like to suggest, if you will forgive my repeating myself. These little California prospects are forever filling up with water, as you know. Next time it happens, the Government will be expected to have a nice assay map of the workings, but unless the contract specifically requires regular sampling of all mineralized showings it probably will not be done. My suggestion, of course, is that the contract include such a requirement.

C. H. JOHNSON

C. H. Johnson

CHJohnson:ks

Copy to - Mr. Winkel, Room 1231-C
Minerals Division
C. H. Johnson
Files

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1953

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

March 23, 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Chief Base Metals Branch

Subject: DMEA-2770 (Copper), Calivada Development Company, Eldorado Mine, El Dorado County, California

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C. H. JOHNSON

C. H. Johnson

CHJohnson:ks

Copy to - Mr. Winkel, Room L231-GSA
Minerals Division
C. H. Johnson
File

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 24 1953

3/17/53 gla

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

March 17, 1953

Re: Docket DMEA-2770
Calivada Development Co.
El Dorado Copper mine,
El Dorado County, Calif.
Total Cost: $34,986.30
Copper

Memorandum

To: Mr. E. Wm. Ellis

From: Erwin J. Lyons

Subject: Recommendation for approval

The reviewer concurs with the field team's recommendation that the application be approved.

Erwin J. Lyons

Erwin J. Lyons
Geologist

IN REPLY REFER TO:

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DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
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Erwin J. Lyons
Geologist

DMEA 2770 Valivada Development Co 3/10/53 Schmidt

Phone conversation with Mr. Vaughn representing Mr. Hall owner.

I asked him for the following information

~~Explain the peculiar mining claim. Why two parcels~~

~~Is it one mining patented claim or two. It now seems from BM paper IR 3896 that parcel 1 is patented and the parcel two is not. If it is not then we want the recording information of an unptented claim.~~

~~Provide map showing the proposed work. I have a number of maps but not one shows the proposed work.~~

Is the level of the 200 supposed to be at 200 ft vertical depth or 200 inclines the field team report says vertical and the maps show inclined.

What is the status of the legal title. Has Hall bought the half interest and lived up to the requirments of the deal

Vaughn said he would see Hall in a few days on his return and send this data to us.

Should have asked whether the Co. owns any adjoining ground

3/9/53 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

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

March 5, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2770 (Copper)
Calivada Development Company
Eldorado Copper Mine, El Dorado County, Calif.

Reference is made to letter from Frank E. Johnson, dated November 24, 1952, with which the subject application was referred to us for a field examination.

The property was examined by John D. Warne, Mining Engineer, Bureau of Mines, on December 17, 1952. Previously, the property had been examined in April and June 1952 in connection with an application for a production loan, DMPA-2185.

Attached are four copies of a report entitled, "DMEA-2770, Calivada Development Company, (Eldorado Copper Mine), El Dorado County, California," by John D. Warne, Mining Engineer, dated February 10, 1953.

The property has been recommended for further exploration by the examining engineer. The work that has been outlined in the report will adequately explore the property. The project is set up as a two-stage project. Careful consideration has been given to the costs of doing this work, and is fully outlined in Mr. Warne's report and can be used for writing up the contract for this project.

Mr. A. C. Johnson also recommends that favorable consideration be given to the application.

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

Attachments

Copy to: E. H. Bailey, USGS (With copy of report)

3/16/53 glr

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 9 1953

March 5, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

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H. C. MILLER

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

Attachments

Copy to: E. H. Bailey, USGS (With copy of report)

Reviewed by
DMEA OPERATING COMMITTEE
3-12-53
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-2770, Calivada Development Company

(Eldorado Copper Mine)

El Dorado County, California

John D. Warne, Mining Engineer
U. S. Bureau of Mines

February 10, 1953

DOCKET NO.: DMEA-2770

NAME AND ADDRESS OF APPLICANT: Hal T. Hall, Pres. & Gen. Mgr.
Calivada Development Co.,
Box 4, Garden Valley, Calif.

NAME AND LOCATION OF PROPERTY: Eldorado Copper Mine,
El Dorado County, Calif.

SUMMARY

The Eldorado Copper Mine, located near Garden Valley, El Dorado County, Calif., was visited on December 17, 1952 by an engineer[1/] of the Bureau of Mines of Region III. This examination of the mine property was made in connection with an application for an exploration loan (DMEA-2770) by Hal T. Hall, President and General Manager of the Calivada Development Co. Previous examinations of the property were made during April and June, 1952 in connection with a production loan application DMPA-2185.

Early prospecting was done on the property for gold and a 45-foot shaft which intersected a 173-foot drift adit are the most extensive mine workings left by early operators. Present mine operators have deepened the Eldorado shaft from 48 to 100 feet in depth and have installed complete mine plant and camp equipment.

Ore reserves containing 374 gross tons of copper were estimated as a result of diamond drilling by the Bureau of Mines during 1945. A report (R.I.-3896) by the engineer[2/] in charge of this work was published in June 1946.

1/ John D. Warne.
2/ R. H. Bedford.

The applicant now proposes to explore the mineralized zone at a greater depth than was previously drilled by the Bureau of Mines by deepening the Eldorado mine shaft 135 feet and by drifting northwestward a distance of 600 feet.

CONCLUSIONS

The applicant's proposal appears to be reasonable and the general appearance and conduct of work recently done at the mine indicates that he is capable of performing the proposed exploration work.

Samples taken from the shaft do not reflect the grade and quantity of ore indicated by Bureau of Mines drilling; however, the main mineralized portion of the deposit may not be exposed in the shaft. The applicant plans to perform some crosscutting near the 100-foot level in the shaft, and near the 200-foot level without Government assistance.

Costs estimated to perform the exploration project are essentially the same as those requested by the applicant, however, some of the supervisory and bookkeeping personnel are not deemed necessary.

RECOMMENDATIONS

It is recommended that further exploration of the Eldorado Copper mine deposit be done by deepening the present shaft from 100 feet to 235 feet; and that a 250-foot exploration drift be driven northwestward on the 200-foot vertical shaft level to explore the deposit (see fig. 2). This work to be performed as Stage I of the program.

If the above exploration work is successful, the 200-foot level drift should be extended from 250 to 600 feet in length as Stage II of

* Map do not show 200' vertical depth.

the project.

A resume of the total costs of the exploration work which is recommended follows:

Stage I:	Shaft deepening - 135 feet @ $84.98/ft.	$11,472.30
	Drifting - 250 feet @ $39.19/ft.	9,797.50
Stage II:	Drifting - 350 feet @ $39.19/ft.	13,716.50
	Total estimated cost of proj.	$34,986.30

NAME AND LOCATION OF PROPERTY

The Eldorado Copper Mine property is located about one mile south of Garden Valley, Eldorado County, Calif., in the SE 1/4 of sec. 34, T. 12 N., R. 10 E., and in the NE 1/4 of sec. 3, T. 11 N., R. 10 E., M.D.B.&M.

CONDITION AND SEASONAL ACCESSIBILITY OF ROAD TO PROPERTY

The mine is accessible by automobile throughout the year via an improved dirt and gravel road leading eastward a distance of one-fourth mile from a paved road one mile south of Garden Valley, Calif.

COMPETENCY OF APPLICANT AND OPERATING PERSONNEL

The applicant is believed to be an experienced mine operator who is financially responsible. Mr. Hal T. Hall, President and General Manger of the company claims to have had over 15 years mine management and operating experience; and Col. L. R. Ball, Vice President, is stated to be a Consulting Mining Engineer and Geologist.

Several experienced miners are intermittently employed by the company; and ample mining equipment to perform the proposed exploration work is possessed by the applicant.

APPLICANT'S PROPERTY RIGHTS

A one-half undivided interest in the property is owned by Hal T. Hall, and he has a contract to purchase the other one-half interest from Mr. H. A. Weiler, his former partner. A copy of the MINE PURCHASE AGREEMENT has been supplied by Mr. Hall with his application.

The mine property consists of two parcels of patented land: The Roosevelt lode mining claim, M. S. No. 4606, located in SE 1/4, sec. 34, T. 12 N., R. 10 E.; and the second parcel in the NE 1/4 of sec. 3, T. 11 N., R. 10 E., M.D.B.&M., El Dorado County, Calif. (fig. 1).

DESCRIPTION OF PROPERTY

Complete surface and underground facilities and equipment are owned by the Calivada Development Company for operating the Eldorado Copper Mine. Almost sufficient milling equipment is on hand to construct a 125-ton flotation type mill. An inventory of mine, mill, and miscellaneous operating equipment as furnished by the applicant follows:

Mine equipment

- 2 Blacksmith forges
- 2 200-pound anvils
- 1 75-pound anvil
- 2 50-pound anvils
- 20 Blacksmith tongs (various types)
- 2 Sets socket wrenches to 1½ inch
- 1 Set Crescent wrenches, 6 inches to 18 inches
- 2 Sets standard bolt dies and tape ½ inch to 1½ inch
- 1 Set Toledo pipe dies 3/8 inch to 3 inches
- 1 Set 4-inch casing dies
- 1 Set pipe wrenches (12) 6-inch to 48 inches
- 2 Pipe tongs
- 1 Drill press and set twist drills 1/8-inch to 1-inch
- Nearly complete assay laboratory
- 2 Ingersoll-Rand sponge pumps, 2½-inch

Mine Equipment (Cont'd)

100	feet of new 3-inch fire hose
500	feet of 1½-inch fire hose
1	2½-inch Crow sinker pump (electric)
1	Lincoln welding outfit, complete (value $1,500)
1	Set cutting torches
1	Carbide generator (Linde)
15	Misc. electric motors, ½ to 25-horsepower
2	Big Ingersoll-Rand liners with bars and arms, etc.
2	S-49 Ingersoll-Rand jackhammers
1	Worthington jackhammer (new)
1	Cleveland jackhammer (new)
2	tons drill steel for above drills
50	doz. detachable drill bits (Jack bits and Timken)
1	Atlas Diesel with stoping and drifting attachments and air legs
3	Sets (carbide tipped steel) for Atlas Diesel jackhammer
$3,000	various pipe fittings and valves
500	feet new 3/4-inch air hose
1,000	feet new 1-inch air hose
2	1-ton ore skips
4	3/4-ton end dump cars
2	1-ton end dump cars
1	Eimco mucking machine
2,000	feet new 5/8-inch wire rope
2,000	feet new 3/4-inch wire rope
1,500	feet new 1/2-inch wire rope
12	various size snatch blocks
12	Sheave blocks
2	Sets 3/4-inch rope block falls
1	25-ton come-along
2	750-gal. gasoline tanks on 6-foot stands with hoses and valves
1	2,000-gal. water tank (domestic)
1	150-gal. hot water tank
2	34-inch by 96-inch air receivers
1	Complete 3,500 board feet saw mill with edger
1	11-horsepower chain saw
1	Air receiver 8 feet by 1 foot by 5 inches
600	Gal. fuel tank, 5-foot diameter, 7 feet long
	Mill steel, 3/16-inch by 4 feet by 8 feet
100	Feet garden hose
2	1-ton ore cars, 4 feet by 2 feet by 2½ feet
2	2-ton ore cars, ball bearing
11	Barrels Diesel oil
1,300	Feet 3/4-inch steel cable, new
2,200	Feet 1/2-inch steel cable, new
2,000	Feet 1-inch steel cable
1	Clayton air compressor, 350 cubic feet, stationary 10 by 8
1	1-ton tugger
1	1½-ton tugger

Mine Equipment (Cont'd.)

1 Ingersoll-Rand utility hoist with winding drum
2 ½-ton hoisting buckets
1 Ingersoll-Rand jackhammer
1 Gardner-Denver drifter
3 Gardner-Denver stopers
2 Tons 1¼-inch Hex drill steel
200 Detachable bits
5,000 Feet - 30-pound rails
2 Rix marine type compressors, 12 by 24
260 Feet 12-inch hydraulic iron pipe
Approximately 250 feet 3-foot hydraulic iron pipe
2,000 Feet 4-inch wrought iron water pipe, some flange joints; some screw joints
2,000 Feet 2-inch wrought iron water pipe
1,000 Feet 10-inch galvanized ventilation pipe
1 Complete surveying outfit: 1 transit, rods, stadia and chains, 1 Paulin altimeter, (12,000 feet elevation) 2 Bruntons, 2 hand levels, etc., and complete drafting outfit.

Mill Equipment

Clean-up barrel, 3 feet long by 2 feet diameter. Sprocket drive 2 feet by 4 feet amalgamating plate. Accessories.
"Eimco" Ball Mill., 5 feet by 5 feet, V-belt drive. New set of liners. Full load of balls. Scoop and accessories.
50-horsepower motor for ball mill
G. E. Controller for ball mill.
Colt-Noark switch box 575 v. 30-horsepower AC, 100 amps.
2 G. E. magnetic switch, 440 V., 60 cycle, 7½-horsepower
Cutler-Hamer Industrial duty, safety switch, 575 AC Volts, 30 amps, 7½-horsepower
Colt-Noark ball mill switch, 575 AC Volts, 200 amps, 50-horsepower #17632
Main switch Trumbull electric enclosed, 500 AC Volts, 400 Amps, 3 pole 250 Amp, fuses Cat #13674
C-H standard duty safety switch, 575 AC Volts, 30 Amps, 7½-horsepower, 3 pole
2 Colt-Noark magnetic switches #154. Type MS. 440 volts, 3 Phase 3 pole, 50-60 Cycle
C-H Reset switch, 440 volts
Wilfley sand pump, 4-inch intake, 3-inch discharge
10-horsepower Fairbanks-Morse induction motor
Wilfley table, 16 by 4½ feet, direct connected motor
1 Denver Sub. A F Lot Cell, 2 by 2 feet, direct motor connected, V-belt drive
4 Pan-American Type CW F lot Cell, 2 feet 6 inches by 2 feet 6 inches, V-belt drive direct connected

Mill Equipment (Cont'd.)

2 Motors

Dorr Classifier, 4 feet by 16 feet, double rake, direct connected, 10-horsepower motor
1 Rheostat
Giant Type rock breaker
Motor for breaker, 40-horsepower
Conveyor belt, 18 inches wide, 30 feet long; motor for same
3 6600-volt 2500 Watt transformers, #204-10. Maloney Electric Co., St. Louis, Mo.
1 Westinghouse transformer
1 Mill building, 40- by 40-foot, 25 feet high, corrugated sheet iron construction
Re-agent feeder for Clat cells
1,000 feet heavy duty copper cable
Milling and mining accessories and tools

Office and bunk house equipment

Electric light plant
1 Large flat-top oak desk, 8 drawers, typewriter
Side board
Drafting table
Wood table
14 Bedsteads, iron
4 Stoves, wood heating
1 Stove, cook, 6-griddle
1 Refrigerator run by gas or kerosene
1 Saw, wood, cut-off
Dishes and cooking utensils for 10 people
1 Pelton water wheel, 6-foot
2 Water gates, 12-inch
Small valves and accessories
1 Complete office equipment: Steel filing cabinets, 2 large oak desks, 2 new typewriters, 1 new ($195) adding machine, etc.

GEOLOGY AND ORE RESERVES

An adequate description of the deposit is included in Bureau of Mines R.I. 3896. Ore reserves as estimated in the confidential section of this report as a result of Bureau of Mines diamond drilling project were 1,720 tons of indicated and 4,240 tons of inferred ore averaging about 6.0 percent copper content.

HISTORY AND PAST OPERATION

Numerous cuts and pits were excavated on the property in connection with gold prospecting - perhaps as early as 1865. No records are available of early production. A 173-foot drift adit intersected with a 48-foot shaft at a point 128 feet from the portal were the most extensive mine workings left by early operators.

In 1943 the property was acquired by Hal T. Hall and H. A. Weiler of Garden Valley, Calif. These owners equipped the shaft with a surface plant and mined about 350 tons of copper ore from near the adit level in the vicinity of the shaft. This ore was milled, however some of them remain on the mine property.

During 1950 Mr. Weiler's interest in the property was purchased by Hal T. Hall; and the Calivada Development Company was organized as a partnership in control of the mine. In 1951 the shaft was deepened to 110 feet; and 18 tons of sorted ore averaging 10.30 percent copper content was shipped. This ore is stated to have been derived from the shaft sinking work.

STATEMENT OF APPLICANT'S PROPOSAL

The applicant proposes to deepen the Eldorado copper mine shaft an additional 135 feet (from 100 to 235 feet - inclined length); and 600 feet of drifting northwestward of the shaft at the 200-foot level. Costs estimated in the application are as follows:

135 feet of shaft @ $92.08/ft. = $12,430.80

600 feet of drifting @ $41.48/ft. = $24,888.00

Total estimated cost $37,318.80*

*Applicant estimates a total cost of $37,260.15.

This work would accomplish exploration along the strike of the deposit at depth, generally below that which was previously explored by diamond drilling.

The scope of the proposed project is considered adequate to explore the mineralized structure, however, cost estimates, or recommended expenditures, are slightly lower than those submitted by the applicant.

WATER AND POWER

Ample water for camp use is available from a spring near the mine site. Water estimated 100 gallons a minute flows into the Eldorado mine shaft within the 48- to 100-foot interval. This will hamper future mining operations.

The mine is supplied with three-phase, 12,000 volt Pacific Gas and Electric Company power.

HOUSING AND SURFACE PLANT

All necessary buildings and installations for conducting the exploration project are available at the mine site. These buildings are in good condition, and are valued at $7,133.00 by the applicant. The buildings are as follows: Change and shower room, office and bunkhouse, repair shop and warehouse, hoist house, headframe, and ore bin.

SAMPLING

Descriptions and locations of samples previously analyzed by the Bureau of Mines[3/] from the shaft are listed below:

Sample No.	Percent Cu	Percent Zn	Ounces/Ton Au	Ounces/Ton Ag	Description
1	2.45	1.0	0.01	Tr	Channel sample, 11 inch length NE side of shaft, 110-foot depth.
2	3.46	1.8	0.01	Tr	Channel sample, 26 inch length south side of shaft, 79-foot depth.
3	1.55	0.6	0.01	Tr	Grab sample from old shaft dump (estimated 325 tons).
4	1.65	0.7	0.01	Tr	Grab sample from new shaft dump (estimated 375 tons). Some ore is reported to have been removed for shipping.
5	10.08	1.4	0.07	0.40	Grab sample, concentrates from ore mined below the 48-foot level.

GENERAL INFORMATION

The applicant is now engaged in constructing a 125-ton flotation type mill on the mine property. Milling of ores now on hand and those to be derived from mining above the 100-foot level is planned for the immediate future by the company.

The Eldorado mine shaft was previously 110 feet in depth. However, the 10-foot interval from 100 to 110 feet was driven considerably undersize (for sump purposes) and has recently caved and filled with debris. As it would be necessary to reexcavate and timber this interval, the shaft should be considered as only 100 feet in depth in connection with the proposed exploration project.

Some crosscutting may be necessary on the 200-foot mine level in order to locate and to establish the main mineralized structure to be followed by the proposed drift on that level. However, insufficient information is now available to warrant recommendation of crosscutting in addition to drifting in connection with the exploration project.

EXPLORATION PROJECT

The applicant states that exploration work will start within 60 days and be completed within 4½ months from the date of an exploration project contract. However, six months time should be allowed for completing the work in the event delays in the program occur.

DESCRIPTION OF PROJECT

It is recommended that this exploration project be set up in two stages. The first stage should consist of deepening the shaft from 100 to 235 feet and drifting 250 feet northwestward from the shaft on the 200-foot level. Both the shaft and the drift should follow the mineralized structure. The inclination of the shaft is estimated at about 70 degrees northeastward, and the bearing of the drift will be approximately N. 25° W. to N. 35° W. to follow mineralization indicated by lines A-A' and B-B' shown in fig. 1 of this report. The purpose of this drifting is to determine whether or not the two ore shoots (Blocks A and B - R.I. 3896, Confidential Section) indicated by Bureau of Mines drilling, are present at depth. The extension of the shaft for 35 feet below the 200-foot level will explore for the continuation in depth of ore indicated by previous

drilling (in Block A); and it will also provide an adequate sump while advancing the 200-foot level drift.

The 200-foot level drift will be continued from 250 feet to 600 feet in a northwestward direction, if the exploration work under Stage 1 is successful (see fig. 2).

ALLOWABLE COSTS OF PROJECT

Estimated costs of this recommended project are based on deepening the Eldorado copper mine shaft from 100 to 235 feet and drifting northwesterly along the vein a distance of 250 feet on the 200-foot level as Stage 1. Estimates for continuation of the 200-foot level drift from 250 to 600 feet are also made as Stage 2.

DETAILED COST ESTIMATE

Estimated cost of shaft sinking:

Eldorado mine shaft deepening from 100 to 235 feet - total 135 feet, 5-day week; advance 22½ feet weekly = 6 weeks, or 30 working days, 3 shifts daily (under Stage 1 of the exploration project).

Supervision and labor:

1 Mine engineer, supt. @ $500.00/mo. (6 weeks time)	$750.00
6 Miners @ $2.00/hr, 30 days @ $96.00/day	2,880.00
3 Hoistmen @ $1.75/hr, 30 days @ $16.00/day	1,260.00
1 Mechanic @ $2.00/hr, 30 days @ $16.00/day	480.00
1 Utility man and watchman @ $1.25/hr, 30 days @ $12.00/day	360.00
	5,730.00
Add 15.2 percent insurance, etc.	870.96
Total	$6,600.96

	Per foot
Supervision and labor @ 4.5 feet advance per day or 135 feet advance in 30 work days	48.90
Powder, fuse, detonators	6.00
Timber	4.00
Compressor supplies	1.00
Steel and bits	2.00

	Per Foot
Repairs	2.00
Office and accounting	2.50
Electric power	1.75
Installing air and water lines, etc.	0.75
Assaying	0.50
Transportation (supplies to camp, etc.)	1.50
Rental of equipment furnished by operator	4.30
	$75.20
Add 13.00 percent for delays in progress, rock conditions, increased cost in labor, supplies, and contingencies	9.78
Total cost per foot	$84.98

The operator will furnish all equipment:

Compressor	$3,500.00
Hoist	4,000.00
Pickup truck	2,000.00
Dump cars	250.00
Skip	250.00
Hoisting buckets	250.00
Tuggers	2,200.00
Blower, motor, and vent pipe	475.00
Water tanks and water lines	750.00
Air line, 250 feet	150.00
Sponge pump	700.00
Sinker pump	750.00
Sinker drill	750.00
Air and water hoses	200.00
Welding equipment	1,050.00
Blasting machine and wires	75.00
Tools	820.00
Steel grinder	175.00
Power saws	325.00
Engineering and office equipment	975.00
	$23,245.00

$\frac{\$23,245.00}{60}$ = $387.42 per month; 1.5 months = $581.13 = $4.30 per foot.

Estimated cost of drifting:

Drifting northwesterly along the vein a distance of 250 feet on the 200-foot level (under Stage 1 of the exploration project). Total 250 feet, 5-day week, advance 10 feet per day - or 50 feet per week = 5 weeks, or 25 working days, 3 shifts daily.

Supervision and labor:

1 Mine engineer, supt. @ $500.00/mo (5 weeks time)	$ 625.00
6 Miners @ $16.00/day, 25 days	2,400.00
3 Hoistmen @ $14.00/day, 25 days	1,050.00
1 Mechanic @ $16.00/day, 25 days	400.00
1 Utility man and watchman @ $12.00/day, 25 days	300.00
	$4,775.00
Add 15.2 percent insurance, etc.	725.80
Total	$5,500.80

	Per foot
Supervision and labor @ 10 feet advance per day, or 250 feet advance in 25 work days	$ 22.00
Powder, fuse, detonators	3.00
Timber	1.00
Compressor supplies	.50
Steel and bits	1.50
Repairs	1.00
Office and accounting	1.25
Electric power	.75
Installing air and water lines, etc.	.50
Assaying	.25
Transportation (supplies to camp, etc.)	.75
Rental of equipment furnished by operator	4.30
	$36.80
Add 6.5 percent for delays in progress, rock conditions, increased cost in labor, supplies, and other contingencies	2.39
Total cost per foot	$39.19

Resume of estimated costs

Stage 1:

Shaft deepening	135 feet @ $84.98/ft.	$11,472.30
Drifting	250 feet @ $39.19/ft.	9,797.50
		$21,269.80

Stage 2:

Drifting (from 250 to 600 feet from shaft) 350 feet @ $39.19/ft.	$13,716.50
Total cost of project	$34,986.30
Government participation @ 50%	$17,493.15

It is estimated that the above work under Stage 1 could be completed in 11 weeks comprising 55 working days; and work under Stage 2 could be completed in 7 weeks, or 35 working days employing three shifts daily. The work could be completed within 18 weeks.

Allowing for additional time due to isolation of the mine, weather and labor conditions, about 1.8 months additional time should be allowed for completing the project, - 6 months from the date of the contract should be designated the time period for completing the project.

OTHER CONTRACT DATA

The following data should be incorporated in the contract:

Stage 1:- Deepen the 2-compartment inclined Eldorado mine shaft with hoisting compartment 60- by 60-inch and manway compartment 36- by 60-inch in the clear of timber. Shaft to be deepened from 100 to 235 feet (inclined length).

Drive a drift from a point 200 feet vertically below the shaft collar, 4- by 6.5 feet in cross section, in a northwestward direction from the shaft along the mineralized structure for a distance of 250 feet.

Stage 2:- Continue the 200-foot level drift along the mineralized structure from 250 to 600 feet from the shaft.

UNIT COSTS

Stage 1:-	Shaft sinking 135 feet @ $84.98/ft.	$11,472.30	
	Drifting 250 feet @ $39.19/ft.	9,797.50	
	Total unit costs, Stage 1		$21,269.80
Stage 2:-	Drifting 350 feet @ $39.19/ft.	$13,716.50	
	Total unit costs, Stage 2		13,716.50
	Total estimated cost of project		$34,986.30

Government participation @ 50 percent $17,493.15*

*Total estimated costs of the exploration project. Time estimated to complete project 18 weeks or 4.2 months; however 6 months should be allowed by the contract.

Defense Minerals Administration

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-2770, Calivada Development Company

(Eldorado Copper Mine)

El Dorado County, California

John D. Warne, Mining Engineer
U. S. Bureau of Mines

February 10, 1953

Received by
DMEA Office
3-13-53
(date)

DOCKET NO.: DMEA-2770

NAME AND ADDRESS OF APPLICANT: Hal T. Hall, Pres. & Gen. Mgr.
Calivada Development Co.,
Box 4, Garden Valley, Calif.

NAME AND LOCATION OF PROPERTY: Eldorado Copper Mine,
El Dorado County, Calif.

SUMMARY

The Eldorado Copper Mine, located near Garden Valley, El Dorado County, Calif., was visited on December 17, 1952 by an engineer[1] of the Bureau of Mines of Region III. This examination of the mine property was made in connection with an application for an exploration loan (DMEA-2770) by Hal T. Hall, President and General Manager of the Calivada Development Co. Previous examinations of the property were made during April and June, 1952 in connection with a production loan application DMPA-2185.

Early prospecting was done on the property for gold and a 45-foot shaft which intersected a 173-foot drift adit are the most extensive mine workings left by early operators. Present mine operators have deepened the Eldorado shaft from 48 to 100 feet in depth and have installed complete mine plant and camp equipment.

Ore reserves containing 374 gross tons of copper were estimated as a result of diamond drilling by the Bureau of Mines during 1945. A report (R.I.-3896) by the engineer[2] in charge of this work was published in June 1946.

1/ John D. Warne.
2/ R. H. Bedford.

The applicant now proposes to explore the mineralized zone at a greater depth than was previously drilled by the Bureau of Mines by deepening the Eldorado mine shaft 135 feet and by drifting northwestward a distance of 600 feet.

CONCLUSIONS

The applicant's proposal appears to be reasonable and the general appearance and conduct of work recently done at the mine indicates that he is capable of performing the proposed exploration work.

Samples taken from the shaft do not reflect the grade and quantity of ore indicated by Bureau of Mines drilling; however, the main mineralized portion of the deposit may not be exposed in the shaft. The applicant plans to perform some crosscutting near the 100-foot level in the shaft, and near the 200-foot level without Government assistance.

Costs estimated to perform the exploration project are essentially the same as those requested by the applicant, however, some of the supervisory and bookkeeping personnel are not deemed necessary.

RECOMMENDATIONS

It is recommended that further exploration of the Eldorado Copper mine deposit be done by deepening the present shaft from 100 feet to 235 feet; and that a 250-foot exploration drift be driven northwestward on the 200-foot vertical shaft level to explore the deposit (see fig. 2). This work to be performed as Stage I of the program.

If the above exploration work is successful, the 200-foot level drift should be extended from 250 to 600 feet in length as Stage II of

the project.

A resume of the total costs of the exploration work which is recommended follows:

Stage I:	Shaft deepening - 135 feet @ $84.95/ft.	$11,472.50
	Drifting - 250 feet @ $39.19/ft.	9,797.50
Stage II:	Drifting - 350 feet @ $39.19/ft.	13,716.50
	Total estimated cost of proj.	$34,986.30

NAME AND LOCATION OF PROPERTY

The Eldorado Copper Mine property is located about one mile south of Garden Valley, Eldorado County, Calif., in the SE 1/4 of sec. 34, T. 12 N., R. 10 E., and in the NE 1/4 of sec. 3, T. 11 N., R. 10 E., M.D.B.&M.

CONDITION AND SEASONAL ACCESSIBILITY OF ROAD TO PROPERTY

The mine is accessible by automobile throughout the year via an improved dirt and gravel road leading eastward a distance of one-fourth mile from a paved road one mile south of Garden Valley, Calif.

COMPETENCY OF APPLICANT AND OPERATING PERSONNEL

The applicant is believed to be an experienced mine operator who is financially responsible. Mr. Hal T. Hall, President and General Manger of the company claims to have had over 15 years mine management and operating experience; and Col. L. R. Ball, Vice President, is stated to be a Consulting Mining Engineer and Geologist.

Several experienced miners are intermittently employed by the company; and ample mining equipment to perform the proposed exploration work is possessed by the applicant.

APPLICANT'S PROPERTY RIGHTS

A one-half undivided interest in the property is owned by Hal T. Hall, and he has a contract to purchase the other one-half interest from Mr. H. A. Weiler, his former partner. A copy of the MINE PURCHASE AGREEMENT has been supplied by Mr. Hall with his application.

The mine property consists of two parcels of patented land: The Roosevelt lode mining claim, M. S. No. 4606, located in SE 1/4, sec. 34, T. 12 N., R. 10 E.; and the second parcel in the NE 1/4 of sec. 3, T. 11 N., R. 10 E., M.D.B.&M., El Dorado County, Calif. (fig. 1).

DESCRIPTION OF PROPERTY

Complete surface and underground facilities and equipment are owned by the Calivada Development Company for operating the Eldorado Copper Mine. Almost sufficient milling equipment is on hand to construct a 125-ton flotation type mill. An inventory of mine, mill, and miscellaneous operating equipment as furnished by the applicant follows:

Mine equipment

2 Blacksmith forges
2 200-pound anvils
1 75-pound anvil
2 50-pound anvils
20 Blacksmith tongs (various types)
2 Sets socket wrenches to 1½ inch
1 Set Crescent wrenches, 6 inches to 18 inches
2 Sets standard bolt dies and taps ¼ inch to 1¼ inch
1 Set Toledo pipe dies 3/8 inch to 3 inches
1 Set 4-inch casing dies
1 Set pipe wrenches (12) 6-inch to 48 inches
2 Pipe tongs
1 Drill press and set twist drills 1/8-inch to 1-inch
Nearly complete assay laboratory
2 Ingersoll-Rand sponge pumps, 2½-inch

Mine Equipment (Cont'd)

100 feet of new 3-inch fire hose
500 feet of 1½-inch fire hose
1 2½-inch Crow sinker pump (electric)
1 Lincoln welding outfit, complete (value $1,500)
1 Set cutting torches
1 Carbide generator (Linde)
15 Misc. electric motors, ½ to 25-horsepower
2 Big Ingersoll-Rand liners with bars and arms, etc.
2 S-49 Ingersoll-Rand jackhammers
1 Worthington jackhammer (new)
1 Cleveland jackhammer (new)
2 tons drill steel for above drills
50 doz. detachable drill bits (Jack bits and Timken)
1 Atlas Diesel with stoping and drifting attachments and air legs
3 Sets (carbide tipped steel) for Atlas Diesel jackhammer
$3,000 various pipe fittings and valves
500 feet new 3/4-inch air hose
1,000 feet new 1-inch air hose
2 1-ton ore skips
4 3/4-ton end dump cars
2 1-ton end dump cars
1 Eimco mucking machine
2,000 feet new 5/8-inch wire rope
2,000 feet new 3/4-inch wire rope
1,500 feet new 1/2-inch wire rope
12 various size snatch blocks
12 Sheave blocks
2 Sets 3/4-inch rope block falls
1 25-ton come-along
2 750-gal. gasoline tanks on 6-foot stands with hoses and valves
1 2,000-gal. water tank (domestic)
1 150-gal. hot water tank
2 34-inch by 96-inch air receivers
1 Complete 3,500 board feet saw mill with edger
1 11-horsepower chain saw
1 Air receiver 8 feet by 1 foot by 5 inches
600 Gal. fuel tank, 5-foot diameter, 7 feet long
Mill steel, 3/16-inch by 4 feet by 8 feet
100 Feet garden hose
2 1-ton ore cars, 4 feet by 2 feet by 2½ feet
2 2-ton ore cars, ball bearing
11 Barrels Diesel oil
1,300 Feet 3/4-inch steel cable, new
2,200 Feet 1/2-inch steel cable, new
2,000 Feet 1-inch steel cable
1 Clayton air compressor, 350 cubic feet, stationary 10 by 8
1 1-ton tugger
1 1½-ton tugger

Mine Equipment (Cont'd.)

1 Ingersoll-Rand utility hoist with winding drum
2 ½-ton hoisting buckets
1 Ingersoll-Rand jackhammer
1 Gardner-Denver drifter
3 Gardner-Denver stopers
2 Tons 1¼-inch Hex drill steel
200 Detachable bits
5,000 Feet - 30-pound rails
2 Rix marine type compressors, 12 by 24
260 Feet 12-inch hydraulic iron pipe
Approximately 250 feet 3-feet hydraulic iron pipe
2,000 Feet 4-inch wrought iron water pipe, some flange joints; some screw joints
2,000 Feet 2-inch wrought iron water pipe
1,000 Feet 10-inch galvanized ventilation pipe
1 Complete surveying outfit; 1 transit, rods, stadia and chains, 1 Paulin altimeter, (12,000 feet elevation) 2 Bruntons, 2 hand levels, etc., and complete drafting outfit.

Mill Equipment

Clean-up barrel, 3 feet long by 2 feet diameter. Sprocket drive 2 feet by 4 feet amalgamating plate. Accessories.
"Eimco" Ball Mill., 5 feet by 5 feet, V-belt drive. New set of liners. Full load of balls. Scoop and accessories.
50-horsepower motor for ball mill
G. E. Controller for ball mill.
Colt-Noark switch box 575 v. 30-horsepower AC, 100 amps.
2 G. E. magnetic switch, 440 V., 60 cycle, 7½-horsepower
Cutler-Hamer Industrial duty, safety switch, 575 AC Volts, 30 amps, 7½-horsepower
Colt-Noark ball mill switch, 575 AC Volts, 200 amps, 50-horsepower #17632
Main switch Trumbull electric enclosed, 500 AC Volts, 400 Amps, 3 pole 250 Amp, fuses Cat #13674
C-H standard duty safety switch, 575 AC Volts, 30 Amps, 7½-horsepower, 3 pole
2 Colt-Noark magnetic switches #154. Type MS. 440 volts, 3 Phase 3 pole, 50-60 Cycle
C-H Reset switch, 440 volts
Wilfley sand pump, 4-inch intake, 3-inch discharge
10-horsepower Fairbanks-Morse induction motor
Wilfley table, 16 by 4½ feet, direct connected motor
1 Denver Sub. A F Lot Cell, 2 by 2 feet, direct motor connected, V-belt drive
4 Pan-American Type CW F lot Cell, 2 feet 6 inches by 2 feet 6 inches, V-belt drive direct connected

Mill Equipment (Cont'd.)

2 Motors

Dorr Classifier, 4 feet by 16 feet, double rake, direct connected, 10-horsepower motor
1 Rheostat
Giant Type rock breaker
Motor for breaker, 40-horsepower
Conveyor belt, 18 inches wide, 30 feet long; motor for same
3 6600-volt 2500 Watt transformers, #204-10. Maloney Electric Co., St. Louis, Mo.
1 Westinghouse transformer
1 Mill building, 40- by 40-foot, 25 feet high, corrugated sheet iron construction
Re-agent feeder for Clat cells
1,000 feet heavy duty copper cable
Milling and mining accessories and tools

Office and bunk house equipment

Electric light plant
1 Large flat-top oak desk, 8 drawers, typewriter
Side board
Drafting table
Wood table
14 Bedsteads, iron
4 Stoves, wood heating
1 Stove, cook, 6-griddle
1 Refrigerator run by gas or kerosene
1 Saw, wood, cut-off
Dishes and cooking utensils for 10 people
1 Pelton water wheel, 6-foot
2 Water gates, 12-inch
Small valves and accessories
1 Complete office equipment: Steel filing cabinets, 2 large oak desks, 2 new typewriters, 1 new ($195) adding machine, etc.

GEOLOGY AND ORE RESERVES

An adequate description of the deposit is included in Bureau of Mines R.I. 3896. Ore reserves as estimated in the confidential section of this report as a result of Bureau of Mines diamond drilling project were 1,720 tons of indicated and 4,240 tons of inferred ore averaging about 6.0 percent copper content.

HISTORY AND PAST OPERATION

Numerous cuts and pits were excavated on the property in connection with gold prospecting - perhaps as early as 1865. No records are available of early production. A 175-foot drift adit intersected with a 48-foot shaft at a point 128 feet from the portal were the most extensive mine workings left by early operators.

In 1943 the property was acquired by Hal T. Hall and H. A. Weiler of Garden Valley, Calif. These owners equipped the shaft with a surface plant and mined about 350 tons of copper ore from near the adit level in the vicinity of the shaft. This ore was milled, however some of them remain on the mine property.

During 1950 Mr. Weiler's interest in the property was purchased by Hal T. Hall; and the Calivada Development Company was organized as a partnership in control of the mine. In 1951 the shaft was deepened to 110 feet; and 18 tons of sorted ore averaging 10.30 percent copper content was shipped. This ore is stated to have been derived from the shaft sinking work.

STATEMENT OF APPLICANT'S PROPOSAL

The applicant proposes to deepen the Eldorado copper mine shaft an additional 135 feet (from 100 to 235 feet - inclined length); and 600 feet of drifting northwestward of the shaft at the 200-foot level. Costs estimated in the application are as follows:

135 feet of shaft @ $92.08/ft. = $12,430.80

600 feet of drifting @ $41.48/ft. = $24,888.00

Total estimated cost $37,318.80+

*Applicant estimates a total cost of $37,260.15.

This work would accomplish exploration along the strike of the deposit at depth, generally below that which was previously explored by diamond drilling.

The scope of the proposed project is considered adequate to explore the mineralized structure, however, cost estimates, or recommended expenditures, are slightly lower than those submitted by the applicant.

WATER AND POWER

Ample water for camp use is available from a spring near the mine site. Water estimated 100 gallons a minute flows into the Eldorado mine shaft within the 48- to 100-foot interval. This will hamper future mining operations.

The mine is supplied with three-phase, 12,000 volt Pacific Gas and Electric Company power.

HOUSING AND SURFACE PLANT

All necessary buildings and installations for conducting the exploration project are available at the mine site. These buildings are in good condition, and are valued at $7,133.00 by the applicant. The buildings are as follows: Change and shower room, office and bunkhouse, repair shop and warehouse, hoist house, headframe, and ore bin.

SAMPLING

Descriptions and locations of samples previously analyzed by the Bureau of Mines[3] from the shaft are listed below:

Sample No.	Percent Cu	Percent Zn	Ounces/Ton Au	Ounces/Ton Ag	Description
1	2.45	1.0	0.01	Tr	Channel sample, 11 inch length NE side of shaft, 110-foot depth.
2	3.46	1.8	0.01	Tr	Channel sample, 26 inch length south side of shaft, 79-foot depth.
3	1.55	0.6	0.01	Tr	Grab sample from old shaft dump (estimated 325 tons).
4	1.65	0.7	0.01	Tr	Grab sample from new shaft dump (estimated 375 tons). Some ore is reported to have been removed for shipping.
5	10.08	1.4	0.07	0.40	Grab sample, concentrates from ore mined below the 48-foot level.

GENERAL INFORMATION

The applicant is now engaged in constructing a 125-ton flotation type mill on the mine property. Milling of ores now on hand and those to be derived from mining above the 100-foot level is planned for the immediate future by the company.

The Eldorado mine shaft was previously 110 feet in depth. However, the 10-foot interval from 100 to 110 feet was driven considerably undersize (for sump purposes) and has recently caved and filled with debris. As it would be necessary to reexcavate and timber this interval, the shaft should be considered as only 100 feet in depth in connection with the proposed exploration project.

Some crosscutting may be necessary on the 200-foot mine level in order to locate and to establish the main mineralized structure to be followed by the proposed drift on that level. However, insufficient information is now available to warrant recommendation of crosscutting in addition to drifting in connection with the exploration project.

EXPLORATION PROJECT

The applicant states that exploration work will start within 60 days and be completed within 4½ months from the date of an exploration project contract. However, six months time should be allowed for completing the work in the event delays in the program occur.

DESCRIPTION OF PROJECT

It is recommended that this exploration project be set up in two stages. The first stage should consist of deepening the shaft from 100 to 255 feet and drifting 250 feet northwestward from the shaft on the 200-foot level. Both the shaft and the drift should follow the mineralized structure. The inclination of the shaft is estimated at about 70 degrees northeastward, and the bearing of the drift will be approximately N. 25° W. to N. 35° W. to follow mineralization indicated by lines A-A' and B-B' shown in fig. 1 of this report. The purpose of this drifting is to determine whether or not the two ore shoots (Blocks A and B - R.I. 3896, Confidential Section) indicated by Bureau of Mines drilling, are present at depth. The extension of the shaft for 55 feet below the 200-foot level will explore for the continuation in depth of ore indicated by previous

drilling (in Block A); and it will also provide an adequate sump while advancing the 200-foot level drift.

The 200-foot level drift will be continued from 250 feet to 600 feet in a northwestward direction, if the exploration work under Stage 1 is successful (see fig. 2).

ALLOWABLE COSTS OF PROJECT

Estimated costs of this recommended project are based on deepening the Eldorado copper mine shaft from 100 to 235 feet and drifting northwesterly along the vein a distance of 250 feet on the 200-foot level as Stage 1. Estimates for continuation of the 200-foot level drift from 250 to 600 feet are also made as Stage 2.

DETAILED COST ESTIMATE

Estimated cost of shaft sinking:

Eldorado mine shaft deepening from 100 to 235 feet - total 135 feet, 5-day week; advance 22½ feet weekly = 6 weeks, or 30 working days, 3 shifts daily (under Stage 1 of the exploration project).

Supervision and labor:

1 Mine engineer, supt. @ $500.00/mo. (6 weeks time)	$750.00
6 Miners @ $2.00/hr, 30 days @ $96.00/day	2,880.00
3 Hoistmen @ $1.75/hr, 30 days @ $16.00/day	1,260.00
1 Mechanic @ $2.00/hr, 30 days @ $16.00/day	480.00
1 Utility man and watchman @ $1.25/hr, 30 days @ $12.00/day	360.00
	5,730.00
Add 15.2 percent insurance, etc.	870.96
Total	$6,600.96

	Per foot
Supervision and labor @ 4.5 feet advance per day or 135 feet advance in 30 work days	48.90
Powder, fuse, detonators	6.00
Timber	4.00
Compressor supplies	1.00
Steel and bits	2.00

	Per Foot
Repairs	2.00
Office and accounting	2.50
Electric power	1.75
Installing air and water lines, etc.	0.75
Assaying	0.50
Transportation (supplies to camp, etc.)	1.50
Rental of equipment furnished by operator	4.30
	$75.20
Add 13.00 percent for delays in progress, rock conditions, increased cost in labor, supplies, and contingencies	9.78
Total cost per foot	$84.98

The operator will furnish all equipment:

Compressor	$3,500.00
Hoist	4,000.00
Pickup truck	2,000.00
Dump cars	250.00
Skip	250.00
Hoisting buckets	250.00
Tuggers	2,200.00
Blower, motor, and vent pipe	475.00
Water tanks and water lines	750.00
Air line, 250 feet	150.00
Sponge pump	700.00
Sinker pump	750.00
Sinker drill	750.00
Air and water hoses	200.00
Welding equipment	1,050.00
Blasting machine and wires	75.00
Tools	820.00
Steel grinder	175.00
Power saws	325.00
Engineering and office equipment	975.00
	$23,245.00

$\frac{\$23,245.00}{60}$ = $387.42 per month; 1.5 months = $581.13 = $4.30 per foot.

Estimated cost of drifting:

Drifting northwesterly along the vein a distance of 250 feet on the 200-foot level (under Stage 1 of the exploration project). Total 250 feet, 5-day week, advance 10 feet per day - or 50 feet per week = 5 weeks, or 25 working days, 3 shifts daily.

Supervision and labor:

1 Mine engineer, supt. @ $500.00/mo (5 weeks time)	$ 625.00
6 Miners @ $16.00/day, 25 days	2,400.00
3 Hoistmen @ $14.00/day, 25 days	1,050.00
1 Mechanic @ $16.00/day, 25 days	400.00
1 Utility man and watchman @ $12.00/day, 25 days	300.00
	$4,775.00
Add 15.2 percent insurance, etc.	725.80
Total	$5,500.80

	Per foot
Supervision and labor @ 10 feet advance per day, or 250 feet advance in 25 work days	$ 22.00
Powder, fuse, detonators	3.00
Timber	1.00
Compressor supplies	.50
Steel and bits	1.50
Repairs	1.00
Office and accounting	1.25
Electric power	.75
Installing air and water lines, etc.	.50
Assaying	.25
Transportation (supplies to camp, etc.)	.75
Rental of equipment furnished by operator	4.50
	$36.50
Add 6.5 percent for delays in progress, rock conditions, increased cost in labor, supplies, and other contingencies	2.69
Total cost per foot	$39.19

Resume of estimated costs

Stage 1:

Shaft deepening	135 feet @ $84.98/ft.	$11,472.30
Drifting	250 feet @ $39.19/ft.	9,797.50
		$21,269.80

Stage 2:

Drifting (from 250 to 600 feet from shaft) 350 feet @ $39.19/ft.	$13,716.50
Total cost of project	$34,986.30
Government participation @ 50%	$17,493.15

It is estimated that the above work under Stage 1 could be completed in 11 weeks comprising 55 working days; and work under Stage 2 could be completed in 7 weeks, or 35 working days employing three shifts daily. The work could be completed within 18 weeks.

Allowing for additional time due to isolation of the mine, weather and labor conditions, about 1.6 months additional time should be allowed for completing the project, - 6 months from the date of the contract should be designated the time period for completing the project.

OTHER CONTRACT DATA

The following data should be incorporated in the contract:

Stage 1:- Deepen the 2-compartment inclined Eldorado mine shaft with hoisting compartment 60- by 60-inch and manway compartment 36- by 60-inch in the clear of timber. Shaft to be deepened from 100 to 235 feet (inclined length).

Drive a drift from a point 200 feet vertically below the shaft collar, 4- by 6.5 feet in cross section, in a northwestward direction from the shaft along the mineralized structure for a distance of 250 feet.

Stage 2:- Continue the 200-feet level drift along the mineralized structure from 250 to 600 feet from the shaft.

UNIT COSTS

Stage 1:-	Shaft sinking 135 feet @ $84.98/ft.	$11,472.30	
	Drifting 250 feet @ $39.19/ft.	9,797.50	
	Total unit costs, Stage 1		$21,269.80
Stage 2:-	Drifting 350 feet @ $39.19/ft.	$13,716.50	
	Total unit costs, Stage 2		13,716.50
	Total estimated cost of project		$34,986.30

Government participation @ 50 percent $17,493.15*

*Total estimated costs of the exploration project. Time estimated to complete project 18 weeks or 4.2 months; however 6 months should be allowed by the contract.

COPY

Reconnaissance Resistivity Survey
of a portion of the EL Dorado Copper Mine, Garden Valley, Calif.
June 28-30, 1952

A line of traverse was laid out with a Jacob's staff and an Abney spirit level N34W from a point about two feet NW of the north collar of the shaft. Stations were taken on this traverse one chain apart for seven stations. At station #7 an offset at right angles S54W was taken to station #8 whereupon the traverse was continued to station #10 along a N34W line. This direction was taken because it was approximately parallel to the geologic structure. At station #2 a line was laid out at right angles N56E from the first line and stations laid off, most of them at ½ chain distance apart but two at one chain distance. This line was approximately at right angles to the strike of the shistosity and known ore bodies and structure. The location of these stations is shown on the map and also on the graphs.

A Gish-Rooney type resistivity apparatus was employed using the Wenner configuration with the customary four stakes C_1-P_1-P_2-C_2 all equidistant. Half-way between P_1 and P_2 a ground stake was used in accordance with the Lee partitioning method to indicate between which inner posts and the ground the apparent resistivity was lower. The stakes were set up at right angles to the traverse. The distance taken between stakes was 50 feet except for additional 100 foot distances taken at stations #0 and #2, both of these at right angles to the strike traverse.

Interpretation

At station 23½ W the highest apparent resistivity (abbreviated to a.r.) was obtained, 1493 ohm-feet. It was noted that most of the resistivity was to the NW. This might be interpreted as indicating a higher resistivity material in that direction such as a quartz vein which would normally have a higher resistivity than schist. Stations #23, #22½, #22 and #21½ indicate somewhat lower a.r.'s but only #23 seems to continue showing a higher a.r. to the NW and this less than #23½. This could occur if a body of higher resistivity were striking at an acute angle to the traverse but the data is insufficient to warrant a statement to that effect. Station #21 and #20½ indicate an increased lowering of resistivity with a low at 20½, a rise to #2 and again a drop at 20½E. Since this traverse is approximately perpendicular to the structure and the electrodes are therefore parallel to the structure, there is indication of a good conductor in the neighborhood of 20½ W and 20½ E. more points would place them more accurately. Note also that all three stations indicate a lower resistivity to the NW. Since ore bodies seem to occur in lenses in this area, it would not be unexpected if some thickening were found to the NW of these stations. Stations #21 and #21½ E indicate increasing resistivity, #22½E denotes a drop but even if no errors in reading were made here, the station was in the bottom of a gully and the stakes lengthwise with it so that actually the hills on both sides would conduct and with no account taken of this factor, the a.r. would be less than actual. Nevertheless this immediate area should be reinvestigated to check figures. It is also noted that stations 21½, 22½ and 23½ indicate no marked difference of a.r. to the N W or SE which stations 20½; 2 and 20½W show.

At the collar of the shaft two distances were taken, 50' and 100'. These distances between stakes are theoretically the approximate limits of depth effect. The a.r. of the 50' spacing is 452 ohm-feet. It is noted that this is next to the highest reading on the strike traverse. It must be pointed out that the ground stake was at the shaft and the air in the shaft is not a good conductor! Therefore the a.r. was higher than it would have been had this shaft not been present. The lower a.r. for 100' may be due to water in the shaft or to a larger ore body with depth or to other reasons. The division of the 50' a.r. shows that it is lower to the SW (67-33) whereas for 100' it is lower to the NE (34-66). Since the vein dips to the NE and consequently becomes further east with depth, the resistivity data seems to check. Station #1 shows a low a.r. with asymetry indicating low a.r. to the NE. Station #2 shows a slight asymetry to the W at 50' but more at 100'. #3 shows a very low a.r. (113 ohm-feet) and an extreme asymmetry with low a.r. to the SW. This could be explained by the proximity of an ore body in that direction. Stations #4 and #5 are low but with no marked asymmetry. #6 is the lowest reading of the survey (83 ohm-feet), with extreme asymmetry with the low a.r. now to the NE. Stations #7, #8 and #9 have low a.r. #7 which is in line with #6 is also asymmetric with low a.r. to the NE. #10 shows a marked increase in a.r. which would be expected as there is considerable quarts float in the area.

How do these check with the known geology of the area? The diamond drill data is of some help here. At the shaft, both diamond drill holes indicated an ore body dipping NE. The two a.r. readings at the collar could be explained by that data. Diamond drill holes #3 and #6 cut between stations #1 and #2 but they show two ore bodies.

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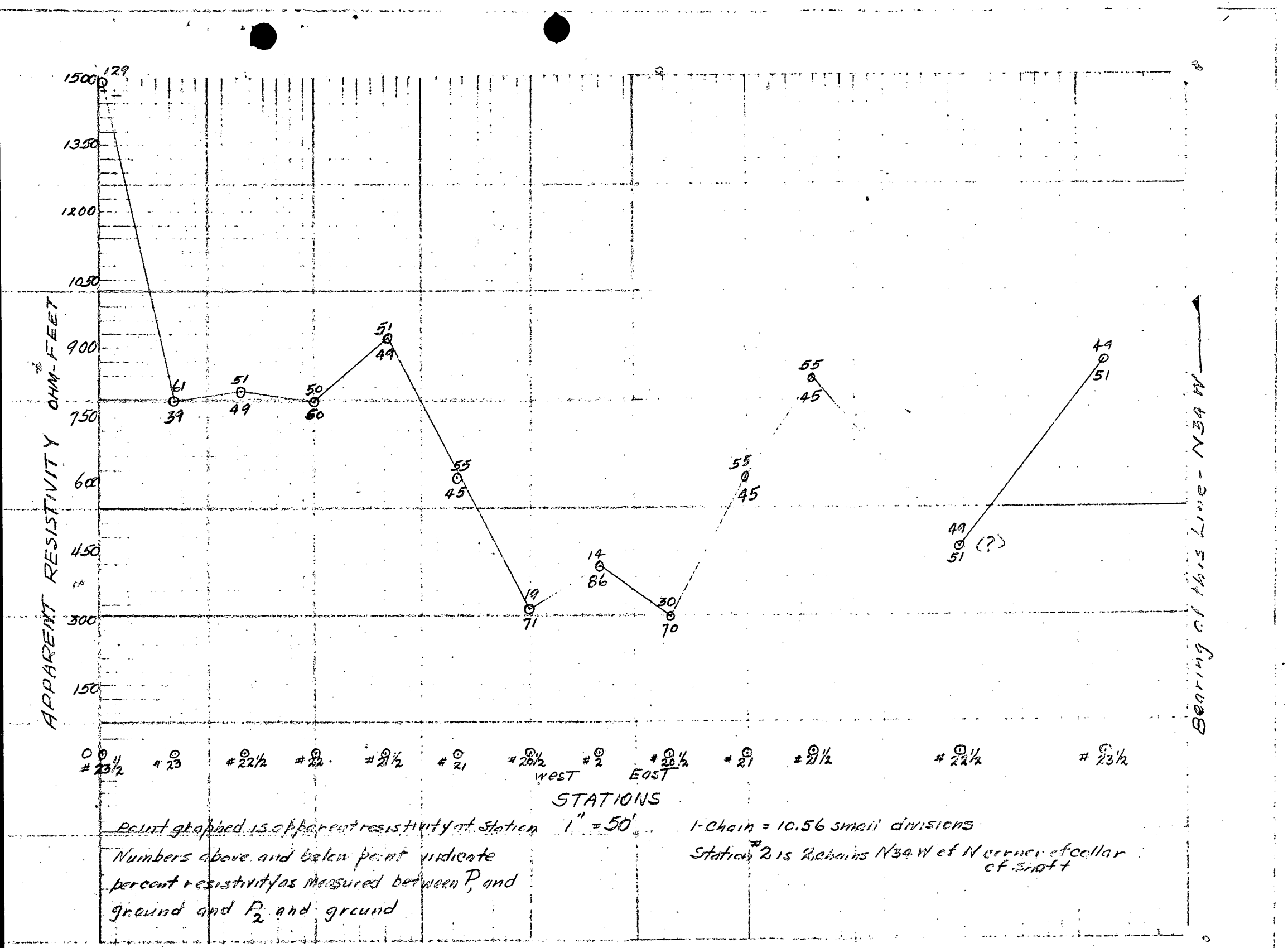
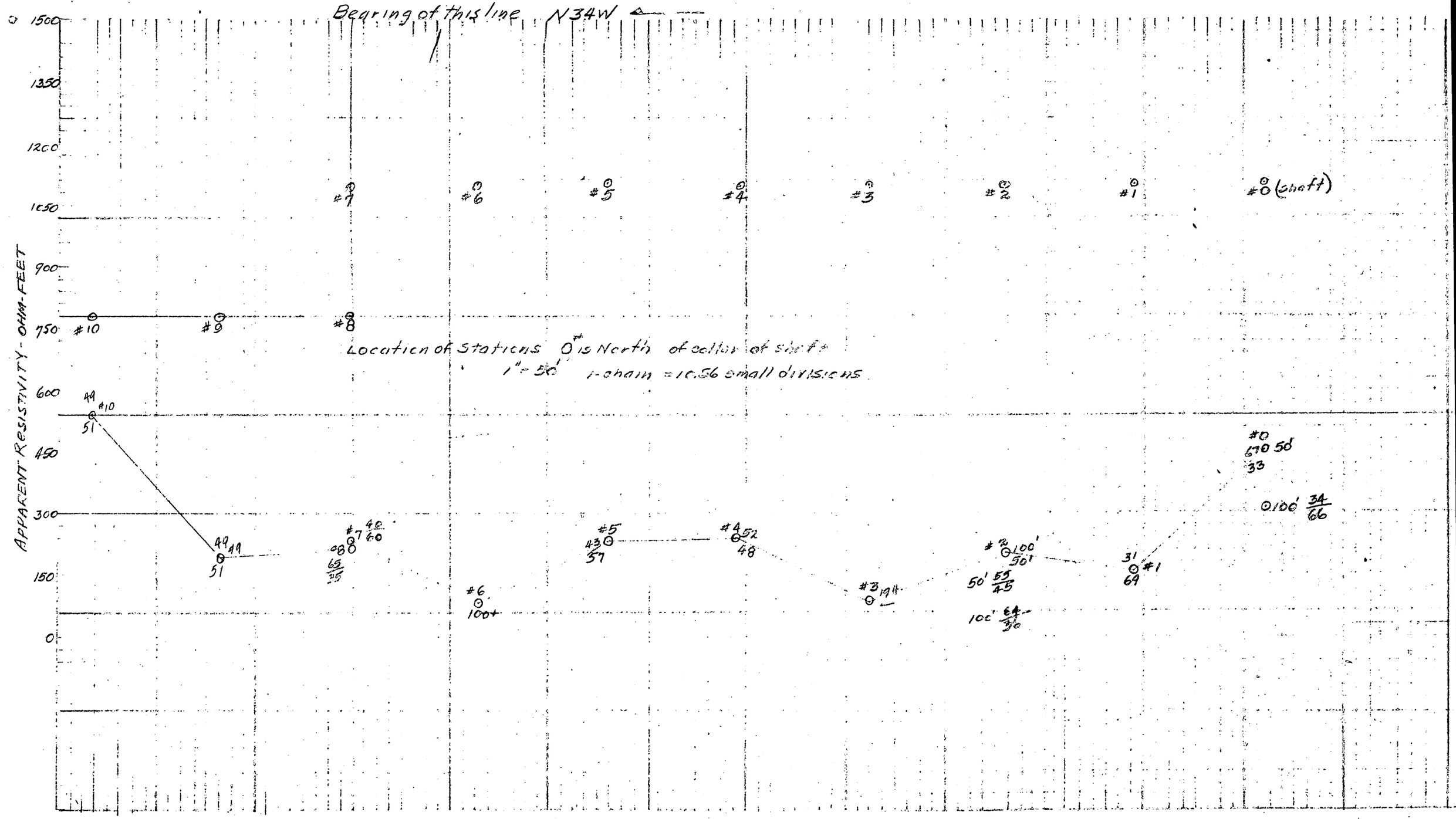
Signed Norman H. Dolloff



N. H. Dolloff 7/8/52.



N. H. Dolloff
7-5-52

COPY

Reconnaissance Resistivity Survey
of a portion of the EL Dorado Copper Mine, Garden Valley, Calif.
June 28-30, 1952

A line of traverse was laid out with a Jacob's staff and an Abney spirit level N34W from a point about two feet NW of the north collar of the shaft. Stations were taken on this traverse one chain apart for seven stations. At station #7 an offset at right angles S54W was taken to station #8 whereupon the traverse was continued to station #10 along a N34W line. This direction was taken because it was approximately parallel to the geologic structure. At station #2 a line was laid out at right angles N56E from the first line and stations laid off, most of them at ½ chain distance apart but two at one chain distance. This line was approximately at right angles to the strike of the shistosity and known ore bodies and structure. The location of these stations is shown on the map and also on the graphs.

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COPY

Interpretation

At station 23½ W the highest apparent resistivity (abbreviated to a.r.) was obtained, 1493 ohm-feet. It was noted that most of the resistivity was to the NW. This might be interpreted as indicating a higher resistivity material in that direction such as a quartz vein which would normally have a higher resistivity than schist. Stations #23, #22½, #22 and #21½ indicate somewhat lower a.r/s but only #23 seems to continue showing a higher a.r. to the NW and this less than #23½. This could occur if a body of higher resistivity were striking at an acute angle to the traverse but the data is insufficient to warrant a statement to that effect. Station #21 and #20½ indicate an increased lowering of resistivity with a low at 20½, a rise to #2 and again a drop at 20½E. Since this traverse is approximately perpendicular to the structure and the electrodes are therefore parallel to the structure, there is indication of a good conductor in the neighborhood of 20½ W and 20½ E. more points would place them more accurately. Note also that all three stations indicate a lower resistivity to the NW. Since ore bodies seem to occur in lenses in this area, it would not be unexpected if some thickening were found to the NW of these stations. Stations #21 and #21½ E indicate increasing resistivity, #22½E denotes a drop but even if no errors in reading were made here, the station was in the bottom of a gully and the stakes lengthwise with it so that actually the hills on both sides would conduct and with no account taken of this factor, the a.r. would be less than actual. Nevertheless this immediate area should be reinvestigated to check figures. It is also noted that stations 21½, 22½ and 23½ indicate no marked difference of a.r. to the N W or SE which stations 20½; 2 and 20½W show.

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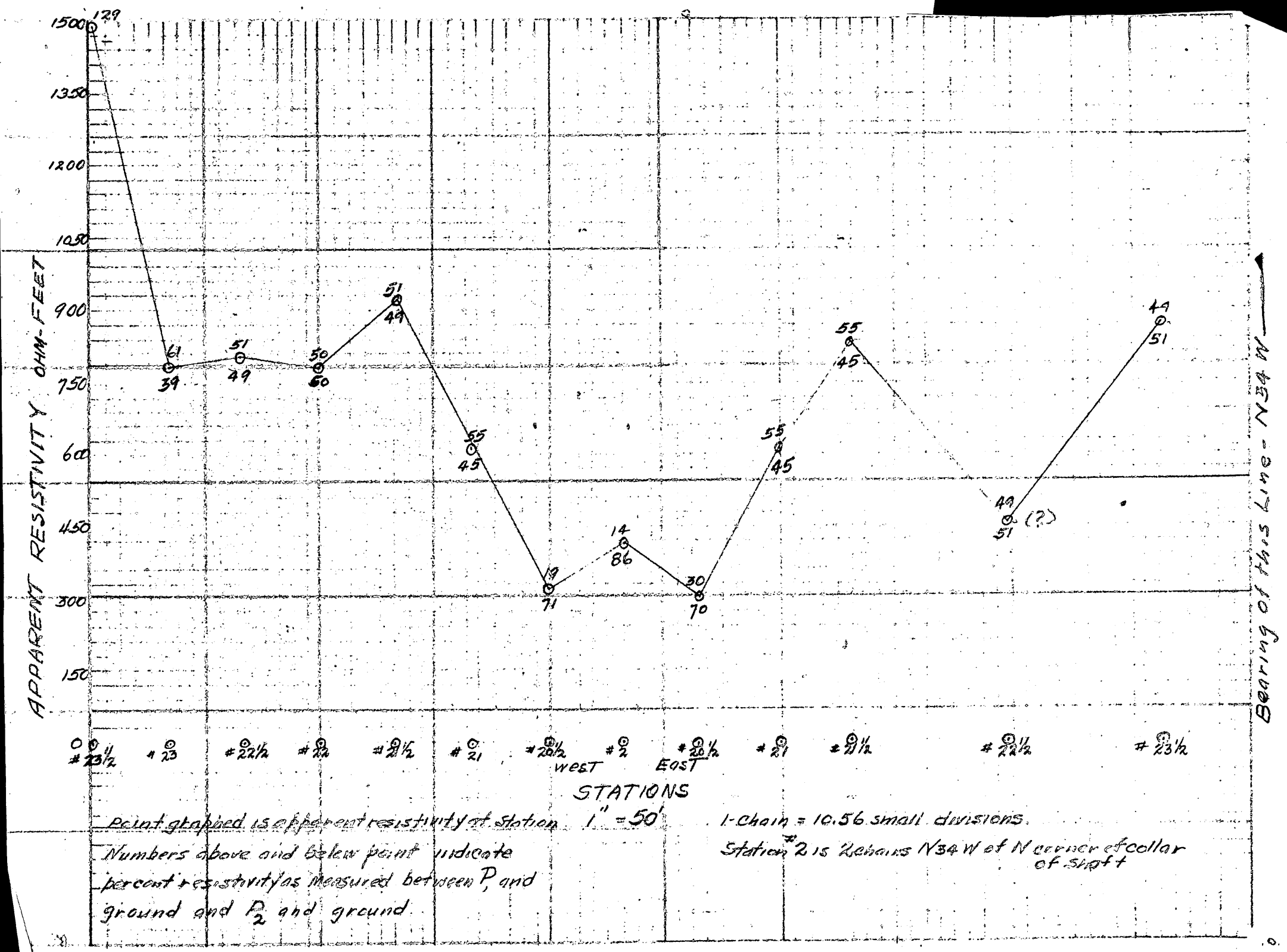


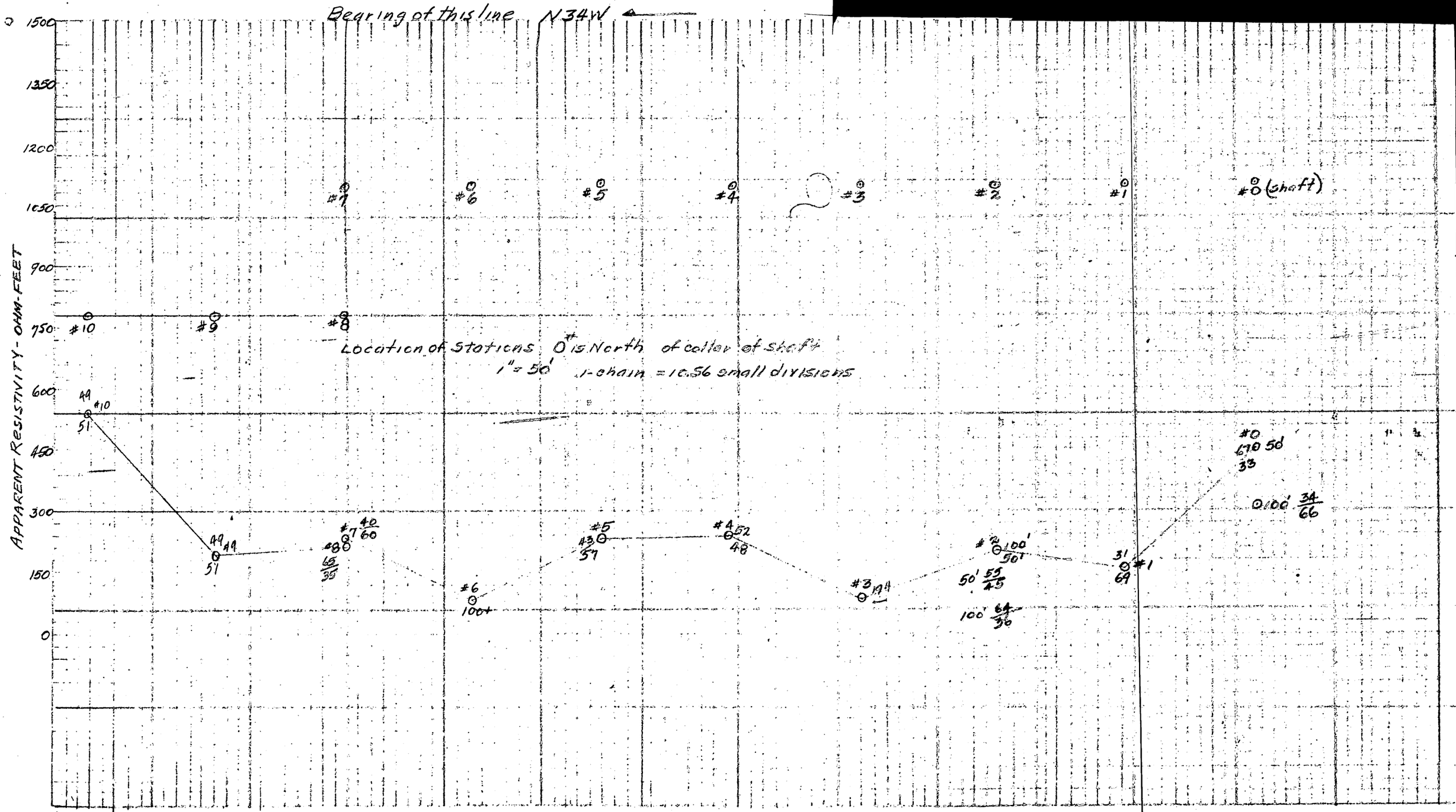
Point graphed is apparent resistivity at station. 1" = 50'

Numbers above and below point indicate percent resistivity as measured between P_1 and ground and P_2 and ground.

1-chain = 10.56 small divisions.

Station #2 is 2 chains N34W of N corner of collar of shaft

N. H. Dolloff 7/8/52.



N. H. Dolloff
7-5-52

FILE COPY
SURNAME:

Schmidt
Ellis

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

NOV 24 1952

Mr. Hal [illegible], President
Calivada Development Company
Box 4
Garden Valley, California

Re: Docket [illegible]-2770 (Copper)
El Dorado County, California

Dear Mr. Ellis:

The application for assistance in exploring your property in El Dorado County, California, under the above captioned docket number, has been reviewed by the Base and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. Your application has been referred for a field examination to the Executive Officer of Region III at the following address:

Mr. [illegible] C. Miller
Executive Officer, Region III
[illegible] Field Team
[illegible] Flood Building
San Francisco 2, California

The Regional Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

C. O. Mittendorf (for)
Administrator

S.N.
11-24-52

Schmidt/jem
11/21/52
cc to: Adm. Reading File
Docket
Messrs. Ellis
Schmidt
Field Team, Region III (2)

3/9/52

F. M:

Reginald Vaughn, of San Francisco, wants you to call him at Statler, re this appl'n.

Grace Ault says the Reg. III status report said "Report in preparation," but the report is not yet received.

fw

He says report mailed last Thursday. Will phone again tomorrow — Com

FILE COPY
SURNAME:

Schmidt
Ellis

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

Pro

NOV 24 1952

[illegible]
Executive Officer, III
[illegible] Field Team
1012 [illegible] Building
870 Market Street
San Francisco [illegible], California

Re: Docket [illegible]-27[illegible] (Copper)
Calivada Development Company
El Dorado County, California

Dear [illegible]:

[illegible] subject application [illegible] for a field examination.

[illegible] Engineers [illegible] 5.

[illegible] recommendation [illegible] fault [illegible] rty; and.

[illegible] of the Field Team to the exploration or development certification of this application or the necessity for modifying its [illegible] exploration requirements, will receive your serious consideration.

Sincerely yours,

(signed) FRANK E. JOHNSON
(WB)
Chairman, Operating Committee

11-24-52

Enclosures

J. H. Hedges (WB)
Director, Bureau of Mines

A. L. Finkel, Jr. (WB)
Member, Geological Survey

Schmidt/jem 11/21/52
cc to: Adm. Reading File Docket
Messrs. C.W.Johnson-3621
A.L.Finkel-4234
Ellis Schmidt Opr. Committee
Field Team, Region III

11 /21/52

In order to finally pass on this application it is necessary to get Bureau of Mines R.I. 3896 concerning their drilling. Also get application for production loan DMPA 2185, and field examination in April 1952

Meantime make feild referral. giving them this data by sending copy of Lyons letter

11/13/52 - gla

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

November 12, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 12 1952

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2770 Calivada Development Company (Copper) El Dorado mine, El Dorado County, California

I recommend referral of this application to the Field Team for review, comment and recommendation. The shaft evidently has been sunk 50-odd feet since the Bureau of Mines drilling project in 1945. It would be desirable, though not essential, to have this open for inspection when the examination is made.

It is more than likely, under present conditions, that the ore reserves indicated by the drill holes cannot be mined profitably. This, however, should not be the controlling factor in considering the exploration application, but rather the chance of either (1) finding oreshoots of much better grade and thickness or (2) establishing the existence of a considerable tonnage that could be mined under somewhat better cost-price conditions.

I note that Applicant indicates a zone of "Possible Ore" in the footwell of the vein. R.I. 3896 shows that the drill holes were extended well beyond the vein and found nothing to justify this assumption. Holes 3 and 4 cut a narrow band of disseminated pyrite and chalcopyrite, too low-grade to justify sampling, about 60 feet into the footwell, but otherwise the footwall was barren.

Good Point

It may be noted that the lease and purchase option is almost 2 years old, has one year to run, and is then renewable for 2 years. It would be well to make sure that the lease is not subject to cancellation for any reason, because it is not evident from the record that the minimum expenditure of 40 shifts per month, etc., has been maintained.

The copy of the application is returned herewith.

C. H. Johnson
C. H. Johnson

Attachment

Copy to - Minerals Division
Base Metals Branch
Mr. N. E. Nelson

C. H. Johnson
Files

11/19/52 fa

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 18 1952

November 17, 1952

Memorandum

To: Mr. E. Wm. Ellis

From: Erwin J. Lyons, USGS

Subject: Recommendation for approval

Re: Docket DMEA-2770
Calivada Development Co.
El Dorado Copper Mine,
El Dorado County, Calif.
Total cost: $37,260.15
Copper

The Calivada Development Company has submitted a request for exploration assistance to investigate its property, the El Dorado Copper mine, in Eldorado County, California. The applicant proposes to deepen the present inclined shaft 135 ft., including a 35-foot sump, and drift northwesterly along the vein a distance of 600 feet on the 200-foot level. Total estimated cost of the project is $37,260.15.

The property was drilled in 1945 by the U.S. Bureau of Mines and the results were published in R. I. 3896. As a result of this investigation, three blocks of ore were found. Blocks A and B are on the vein the applicant wishes to explore, and block C is on a structure to the northwest. The Bureau estimated that block A contained 875 tons of indicated and 1825 tons of inferred ore having a grade of 8.5% Cu and 1.0% Zn, and block B contained 600 tons of indicated and 1240 tons of inferred ore with a grade of 4.0% Cu and 1.0% Zn.

The applicant applied for a production loan (DMPA-2185) and in April of 1952 a field examination was made. The engineer recommended that the application be denied on the basis of insufficient reserves, but implied that further exploration was warranted. However, he did not agree that the applicant's proposed program of deepening the shaft 100 ft. drifting 300 ft. along the vein on the 200-foot level, and crosscutting 100 ft. into the footwall was exploration, but rather that it was development.

The present reviewer believes that further exploration of the property is warranted, but that the project should be set up in two stages. The first stage should consist of sinking the shaft and drifting about 250 ft. along the vein to determine whether or not the two ore shoots (blocks A and B) indicated by the U.S. Bureau of Mines drilling are present at depth. If not, the project should be terminated at this point. If the ore shoots are found to be present, the remainder of the drifting (350 ft.) should be done.

Erwin J. Lyons

Erwin J. Lyons
Geologist

[illegible]

[illegible] 7 1952

Defense [illegible] Administration
U. S. [illegible] of Interior
Washington 25, D. C.

Gentlemen:

[illegible] enclosed is application in quadruplicate for an exploration loan on our [illegible] Creek Porter Line, Garden Valley, California.

[illegible] information on this property may be found in data presented by the U. S. Bureau of Mines in 1945, in Report of Investigations [illegible] 3895.

Yours very truly,

[illegible]

[illegible]
Manager

November 7, 1952

Mr. Hal T. Hall, President
Calivada Development Company
Box 4
Garden Valley, California

Subject: DMEA-2770
Re: Exploration Assistance
El Dorado Copper Mine

My dear Mr. Hall:

The receipt of your application dated November 1, 1952, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2770 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2770 in any future correspondence relating to your application.

Sincerely yours,

R. E. ADAMS

Robert E. Adams
Chief, Operation Control
and Statistics Division

25451

CALIVADA DEVELOPMENT COMPANY
P. O. BOX 4
GARDEN VALLEY, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 7 1952

Defense Minerals Exploration Administration
U. S. Department of Interior
Washington 25, D. C.

Gentlemen:

Herewith attached is application in quadriplicate for an exploration loan on our El Dorado Copper Mine, Garden Valley, California.

Other information on this property may be found in data prepared by the U. S. Bureau of Mines in 1945, in Report of Investigations # 3896.

Yours very truly,

Hal T. Hall

Hal T. Hall
Manager

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED NOV 7 1952 Defense Minerals Administration

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

Not to be filled in by applicant

Docket No. dmea 2770
Metal or Mineral
Date Received 11-7-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Calivada Development Company, a corporation, incorporated under the laws of the State of Nevada, and domesticated in California. Our mailing address is Box 4, Garden Valley, California.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract We wish to explore a portion of the Roosevelt Lode, or Parcel No. 1, and Parcel No. 2, Patent No. 4806, Patented Mining Claim, recorded in the County Recorder's Office, County of El Dorado, State of California.

(*b*) State any mine name by which the property is known. El Dorado Copper Mine

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise We own a one half interest in the property and are purchasing the other one half interest under contract.

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

(*e*) If you own the land, describe any liens or encumbrances on it a copy of the mine purchase agreement is attached.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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

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

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

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

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

5. *The exploration project.*—(*a*) [redacted]e the mineral or minerals for which you wi[redacted] explore Copper

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

(*c*) The work will start within 60 days and be completed within 4½ months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] Money [X] Use of equipment owned by you [X] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated November 1, 1952

Calivada Development Company
(Applicant)

By [signature]

President and General Manager

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

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

Application For Aid In An Exploration Project Pursuant To Title Under 1, Under the Defense Production Act Of 1950, As Amended.

1. Name of Applicant California Development Company.

(a) President, Hal S. Hall, Box 4, Garden Valley, California.
Vice President, Col. Louis L. Hall, Box 4, Garden Valley, California.
Secretary Treasurer, L. L. Hall Jr., Box 4, Garden Valley, California.
Assistant Secretary Treasurer, Warren G. Lewis, Box 4, Garden Valley.

2. Physical Description.

(a) Existing mine workings on the property consist of a two compartment 7'X 11' shaft 100' in depth, and the original adit 179' in length at the 90' level. The Bureau of Mines drilled the property in 1949 and the results are shown in Report of Investigations No. 3896. We have suspended exploration operations temporarily until additional finances are secured. We have all the necessary mining equipment and production facilities including a 100 ton ball mill and flotation system complete. The mill building has not been completed as yet.

(b) Indicated and inferred ore is shown by R.I. No. 3896 exploration by eleven drill holes. One car of partially segregated ore has been shipped to A.S. & R. Co., Garfield, Utah and assayed 10.3% copper. Approximately 1000 tons of ore averaging 3% copper content is stockpiled on the property.

(c) & (d) Covered by R.I. No. 3896 with the exception of a sketch of the proposed exploration project, and a report of a Geophysical Resistivity Survey of the property, which are included.

(e) Manpower, materials, supplies, equipment, water and power are adequate and available.

3. The Exploration Project.

(b) A sketch of the proposed exploration project is included. A map of the property is shown in R.I. No. 3896.

(d) The President and Manager of California Development Co., Hal S. Hall, has had over fifteen years experience in mine management and operation in California, Nevada and Canada. The Vice-President, Col. Louis L. Hall, is a Consulting Mining Engineer and Geologist, with many years of experience and recognized ability.

6. Sinking and Drifting Costs - 135 Feet Shaft, 600 Feet Drift

(a) Independent Contractor None.

(b) Labor and Supervision Costs for Sinking and Drifting
3.0 hr. Shifts Daily, 1, Shifts Weekly
Estimated Footage Advance, Sinking 22½' Weekly, Drifting 52' Weekly

6 Miners	$2.00	per hr.		$480.00 per wk.
2 Hoistmen	1.75	" "		210.00 " "
1 Mechanic	2.00	" "		80.00 " "
1 Utility Man & Watchman	1.25	" "		50.00 " "
1 Mine Foreman	2.50	" "	Salary	100.00 " "
1 Superintendent (Engineer)	3.12½	" "	"	125.00 " "
1 Bookkeeper (Accountant)	2.50	" "	"	100.00 " "
11				

Cost Totals for 135' Shaft, 600' Drift

Labor	14,278.00
Supervision	3,922.75
Maintenance	1,481.75
Electric Power	658.51
Fuel Oil	671.37
Air Hose	588.[illegible]
Water Hose	291.[illegible]
Vent Pipe	551.[illegible]
Rail	412.[illegible]
Steel (Bits, Drills)	1,057.50
Explosives	4,104.[illegible]
Detonators	807.[illegible]
Timbers & Lumber	815.13
Workmen's Compensation Insurance	1,973.[illegible]
Unemployment Insurance	595.77
Taxes	589.3[illegible]
Office & Administrative	1,7[illegible]
Sundries	310.50
Miscellaneous	698.47
Contingencies	1,567.73
	37,260.15

Labor, Supervision, Materials, Electric Power, Insurance, Taxes and Administrative Costs per foot of shaft or drift advanced are more or less fixed costs. The obvious way these costs per foot could be reduced would be to realize a greater footage sinking and drifting than estimated. We will certainly attempt to reduce costs by increasing footage above the estimate, but experience in sinking and drifting in this area make it doubtful that much reduction in costs below the estimate can be realized.

c. Estimated Costs Of Driving 5' by 7' Drift And Sinking 7' by 11' Two Compartment Shaft.

Item	Cost Per Foot Sinking	Cost Per Foot Drifting
Labor	$ 36.4444	$ 15.6210
Supervision	10.0000	4.2861
Maintenance	3.7895	1.6170
Electric Power	1.6666	0.7142
Fuel & Oil	2.2222	0.9523
Air Pipe	0.8000	0.8000
Water Pipes	1.0500	0.2500
Vent Pipe	0.7500	0.7500
Rail	0.8333	0.8333
Steel (bits & shanks)	2.5000	1.2000
Explosives	6.2833	5.4264
Detonators	2.6060	0.8914
Timbers & Lumber	5.4824	0.1250
Compensation Insurance	5.0372	2.1558
Unemployment Insurance	1.3740	0.5888
F.I.C.A. Tax	0.7633	0.3271
Office & Accounting	4.4444	1.9050
Analytical	0.3000	0.4500
Miscellaneous	1.7777	0.7654
Contingencies	3.9595	1.8220
Total	$ 92.0638	Total $ 41.4808

Miscellaneous and Contingency Costs Estimated.

6. Estimate Of Costs

(c) Operating Materials And Supplies On Hand

Air Pipe	$ 588.00
Water Pipes	291.75
Vent Pipe	551.25
Rail	612.47
Steel & Bits	1057.50
Detonators	887.64
Lumber	815.18
Miscellaneous	698.47
	$5,502.26

(d) Operating Equipment On Hand

Hoist	$4000.00
Compressor	3500.00
Automotive Equipment	5250.00
Dump Cars	250.00
Skip	250.00
Hoisting Buckets	100.00
Tuggers	2200.00
Blower and Motor	275.00
Water System	1500.00
Power Line	1000.00
Sponge Pump	700.00
Sinker Pump	750.00
Atlas Diesel Rock Drill	700.00
Worthington Jackhammer	350.00
Cleveland "	350.00
Ingersoll Rand Machine	1000.00
Air Hose	500.00
Electric Welder	750.00
Acetylene "	150.00
Hercules Blasting Machine	55.00
* Tools	820.00
Air Motor Steel Grinder	175.00
Bench Saw	125.00
Chain Saw	200.00
Surveying Equipment	875.00
Carbide Generator	175.00
Office Equipment	800.00
	$ 26,800.00

* Tools include 2 forges, 1 blacksmith vise, 1 bench vise, 1 pipe vise, 1 set pipe dies, 1 set casing dies, 2 sets standard bolt dies and taps, 3 anvils, 20 blacksmith tongs, Drill Press and set of Drills, 2 sets socket wrenches, 1 set crescent wrenches, 12 pipe wrenches, 1 comealong, 1½ ton chain hoist, pipe tongs, rope blocks, snatch blocks, high pressure lubricators, double jacks, single jacks, shovels, picks, screw jacks and hydraulic jacks, etc.

The operators do not anticipate the necessity for purchase of additional mining equipment for the exploration project and suggest a rental charge of $2,000.00 for the use of the operators equipment for the term of the project.

6. Estimate of Costs

(e) In addition to materials and mining equipment on hand we have all of the buildings necessary for the operation. These buildings are as follows:

Change and Shower room
Office and warehouse
Repair Shop and Storeroom
Assist house, lean frame and [illegible].

These buildings are nearly new and are conservatively valued at $7,135.00

(f) No new building, improvements or rehabilitation to existing buildings or improvements will be necessary for this project. The existing shaft has been re-timbered within the past [illegible] days.

(g) and (h) Included with (e).

7.
(a) We will be prepared to furnish our share of the cost of the proposed project in accordance with the regulations on government participation.

(b) We propose to furnish our share of the costs in money, materials, and allowable rental charges for the use of mining equipment and facilities.

C O P Y

GRANT DEED

C O P Y

Charles J. Peterson,- et al,
To
H. A. Weiler, -et al

For and in consideration of the sum of $ 500.00, lawful money of the United States in hand paid by the Grantee, hereinafter named unto the Grantor, hereinafter named Charles J. Peterson and Florence Peterson, the Grantor, does by these presents, sell, transfer, grant, convey and confirm, free and clear of all encumbrance of every nature unto H. A. Weiler, Della Weiler, Hal T. Hall, and Dayse Hall, G rantee as tenents in common, all that certain real property, situate in the County of El Dorado, State of California, and particularly described as follows, to wit:

That certain Mining Claim or premises known as the Roosevelt Lode Mining Claim, designated by the Surveyor General as Survey #4806, embracing portions of Section 34, Township 12 North, Range 10 East, of Mount Diablo Meridian, Garden Valley Mining District, El Dorado County, State of California, and dated 14th of August, 1911, for which premises patent was issued to Marcus P. Bennett upon said date, and which said patent appears of record in Book L of Patents at page 64, of said El Dorado County Records, and which patent and record thereof are hereby referred to for further particular description as the Roosevelt Lode Mining Claim.

Also the following described portion of Lot 2, of Section 3, Township 11, North, Range 10 East, M. D. B. M:

Commencing on the North Line of said Lot 2, at Corner # 1 of said Roosevelt Lode Mining Claim; thence south 30 degrees, 44 min.

east 642.5 feet; thence east 600 feet; thence north 30 degrees, 59 min. West 642.5 feet to corner # 2, of said Roosevelt Lode Mining Claim on the said north line of said Lot # 2; thence west 600 feet to place of beginning; and also any veins, lodes or ledges throughout their entire depth in said Lot # 2, extended downward vertically, although such veins, lodes or ledges in their downward course may so far depart from the perpendicular so as to extend outside the vertical sidelines of said premises, provided that the right of possession to such outside parts of said veins, lodes or ledges shall be confined to such portions thereof as lie between vertical planes drawn downward through the North and South Lines of said above granted portions of said Lot # 2, so continuing in their own direction that such planes will intersect such exterior parts of said veins, lodes or ledges and provided further that nothing herein contained shall authorize the grantee herein to enter upon the surface of any portion of said Lot # 2, other than the above granted portion thereof and the right of way hereinafter granted.

TOGETHER with a right of way for a wagon road from a point in Lot # 3, Twp. 11 North, Range 10 East, M. D. M., on the Placerville-Georgetown Highway nearly opposite a cabin standing on the west side of the road and passing thence easterly to the south of an open-cut along the Blue Lead Ledge and thence following the ravine and the adjoining hill-side in an easterly direction through said Lot # 2, to the above granted premises.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
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MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. dmea 2770
Metal or Mineral
Date Received 11-7-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Calivada Development Company, a corporation, incorporated under the laws of the State of Nevada, and domesticated in California. Our mailing address is Box 4, Garden Valley, California.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract We wish to explore a portion of the Roosevelt Lode, or Parcel No. 1, and Parcel No. 2, Patent No. 4806, Patented Mining Claim, recorded in the County Recorder's Office, County of El Dorado, State of California

(*b*) State any mine name by which the property is known. El Dorado Copper Mine

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise We own a one half interest in the property and are purchasing the other one half interest under contract.

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

(*e*) If you own the land, describe any liens or encumbrances on it a copy of the mine purchase agreement is attached.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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

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

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

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

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

5. *The exploration project* (a) State the mineral or minerals for which wish to explore Copper

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

(*c*) The work will start within 60 days and be completed within 4½ months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] Money [X] Use of equipment owned by you [X] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated November 1, 1952

Calivada Development Company
(Applicant)

By [signature]

President and General Manager

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

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

2770

7 1952

Defense Minerals Exploration Administration
U. S. Department of Interior
Washington 25, D. C.

Gentlemen:

Herewith attached is application in quadruplicate for an exploration loan on our El Dorado Copper Mine, Garden Valley, California.

Many information on this property may be found in data prepared by the U. S. Bureau of Mines in 1945, in Report of Investigations # 3896.

Yours very truly,

Hal T. Hall
Manager

Application For Aid In An Exploration Project Pursuant To DMEA Order 1, Under The Defense Production Act Of 1950, As Amended.

1. Name Of Applicant Calivada Development Company.

(c) President, Hal T. Hall, Box 4, Garden Valley, California.
Vice President, Col. Louis R. Ball, Box 4, Garden Valley, California.
Secretary Treasurer, E.E. Hall Jr., Box 4, Garden Valley, California.
Assistant Secretary Treasurer, Warren G. Davis, Box 4, Garden Valley.

4. Physical Description.

(a) Existing mine workings on the property consist of a two compartment 7'X 11' shaft 100' in depth, and the original adit 173' in length at the 50' level. The Bureau Of Mines drilled the property in 1945 and the results are shown in Report Of Investigations No. 3896 . We have suspended exploration operations temporarily until additional finances are secured. We have all the necessary mining equipment and production facilities including a 100 ton ball mill and flotation system complete. The mill building has not been completed as yet.

(b) Indicated and inferred ore is shown by R.I. No. 3896 exploration by eleven drill holes. One car of partially seggregated ore has been shipped to A.S. & R. Co., Garfield, Utah and assayed 10.30% copper. Approximately 1000 tons of ore averaging 3½% copper content is stock-piled on the property.

(c) & (d) Covered by R.I. No. 3896 with the exception of a sketch of the proposed exploration project, and a report of a Geophysical Resistivity Survey of the property, which are included.

(e) Manpower, materials, supplies, equipment, water and power are adequate and available.

5. The Exploration Project.

(b) A sketch of the proposed exploration project is included. A Map of the property is shown in R.I. No. 3896.

(d) The President and Manager of Calivada Development Co., Hal T. Hall, has had over fifteen years experience in mine management and operation in California, Nevada and Canada. The Vice-President, Col. Louis R. Ball, is a Consulting Mining Engineer and Geologist, with many years of experience and recognized ability.

6. Sinking and Drifting Costs - 135 Feet Shaft, 600 Feet Drift

(a) Independent Contracts None.

(b) Labor and Supervision Costs for Sinking and Drifting
3,8 hr. Shifts Daily, 15 Shifts Weekly
Estimated Footage Advance, Sinking 22½' Weekly, Drifting 52½' Weekly

6 Miners	@ $2.00	per hr.			$480.00	per wk.
3 Hoistmen	@ $1.75	"	"		$210.00	" "
1 Mechanic	@ $2.00	"	"		$ 80.00	" "
1 Utility Man & Watchman	@ $1.25	"	"		$ 50.00	" "
1 Mine Foreman	@ $2.50	"	"	Salary	$100.00	" "
1 Superintendent (Engineer)	@ $3.12½	"	"	"	$125.00	" "
1 Bookkeeper (Accountant)	@ $2.50	"	"	"	$100.00	" "
14						

(c) Cost Totals For 135' Shaft, 600' Drift

Labor	$ 14,292.60
Supervision	3,921.75
Maintenance	1,481.78
Electric Power	653.51
Fuel & Oil	871.37
Air Pipe	588.00
Water Pipes	291.75
Vent Pipe	551.25
Rail	612.47
Steel (bits & shanks)	1,957.50
Explosives	4,104.08
Detonators	887.64
Timbers & Lumber	815.18
Compensation Insurance	1,973.50
Unemployment Insurance	538.77
F.I.C.A. Tax	299.30
Office & Accounting	1,743.00
Analytical	310.50
Miscellaneous	698.47
Contingencies	1,567.73
	$ 37,260.15

Labor, Supervision, Materials, Electric Power, Insurance, Taxes and Administrative Costs per foot of shaft or drift advanced are more or less fixed costs. The obvious way these costs per foot could be reduced would be to realize a greater footage sinking and drifting than estimated. We will certainly attempt to reduce costs by increasing footage above the estimate, but experience in sinking and drifting in this area make it doubtful that much reduction in costs below the estimate can be realized.

6. Estimated Costs Of Driving 5' By 7' Drift And Sinking 7' By 11' Two Compartment Shaft.

Item	Cost Per Foot Sinking	Cost Per Foot Drifting
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F.[illegible] Tax	0.7633	0.3271
Office & Accounting	4.4444	1.9050
Analytical	0.3000	0.4500
* Miscellaneous	1.7777	0.7624
* Contingencies	3.9595	1.6220
Total	$ 92.0838	Total $ 41.4808

* Miscellaneous and Contingency Costs Estimated.

6. Estimate Of Costs

(c) Operating Materials And Supplies On Hand

Air Pipe	$ 588.00
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Vent Pipe	551.25
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Detonators	887.64
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Miscellaneous	690.47
	$5,502.26

(d) Operating Equipment On Hand

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Automotive Equipment	5250.00
Dump Cars	250.00
Skip	250.00
Hoisting Buckets	100.00
Tuggers	2200.00
Blower and Motor	275.00
Water System	1500.00
Power Line	1000.00
Sponge Pump	700.00
Sinker Pump	750.00
Atlas Diesel Rock Drill	700.00
Worthington Jackhammer	350.00
Cleveland "	350.00
Ingersoll Rand Machine	1000.00
Air Hose	500.00
Electric Welder	750.00
Acetylene "	150.00
Hercules Blasting Machine	55.00
* Tools	820.00
Air Motor Steel Grinder	175.00
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Chain Saw	200.00
Surveying Equipment	875.00
Carbide Generator	175.00
Office Equipment	800.00
	$ 26,800.00

* Tools include 2 forges, 1 blacksmith vise, 1 bench vise, 1 pipe vise, 1 set pipe dies, 1 set casing dies, 2 sets standard bolt dies and taps, 3 anvils, 20 blacksmith tongs, Drill Press and set of drills, 2 sets socket wrenches, 1 set crescent wrenches, 12 pipe wrenches, 1 comealong, 1½ ton chain hoist, pipe tongs, rope blocks, snatch blocks, high pressure lubricators, double jacks, single jacks, shovels, picks, screw jacks and hydraulic jacks, etc.

The operators do not anticipate the necessity for purchase of additional mining equipment for the exploration project and suggest a rental charge of $2,000.00 for the use of the operators equipment for the term of the project.

6. Estimate Of Costs

(e) In addition to materials and mining equipment on hand we have all of the buildings necessary for the operation. These buildings are as follows:

Change and Shower Room
Office and Bunkhouse
Repair Shop and Warehouse
Hoist House, Head Frame and Ore Bin.

These buildings are nearly new and are conservatively valued at $7,133.00

(f) No new buildings, improvements or rehabilitation to existing buildings or improvements will be necessary for this project. The existing shaft has been re-timbered within the past sixty days.

(g) and (h) Included With (b).

7.
(a) We will be prepared to furnish our share of the cost of the proposed project in accordance with the regulations on Government participation.

(b) We propose to furnish our share of the costs in money, materials, and allowable rental charges for the use of our mining equipment and facilities.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 7 1952

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

Not to be filled in by applicant

Docket No. dmea 2770
Metal or Mineral
Date Received 11-7-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Calivada Development Company, a corporation, incorporated under the laws of the State of Nevada, and domesticated in California. Our mailing address is Box 4, Garden Valley, California.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract We wish to explore a portion of the Roosevelt lode, or Parcel No. 1, and Parcel No. 2, Patented Mining Claim, Patent No. 4806, recorded in the County Recorder's Office, County of El Dorado, State of California.

(*b*) State any mine name by which the property is known. El Dorado Copper Mine.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise We own a one half interest in the property and are purchasing the other half interest under contract.

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

(*e*) If you own the land, describe any liens or encumbrances on it a copy of the mine purchase agreement is attached.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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

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

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

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

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

5. *The exploration project* (a) State the mineral or minerals for which wish to explore Copper

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

(*c*) The work will start within 60 days and be completed within 4½ months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[X] Money [X] Use of equipment owned by you [X] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated November 1, 1952.

Calivada Development Company
(Applicant)

By [signature]

President and General Manager

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

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

[illegible] 1950, [illegible]

[illegible]

(a) [illegible] Valley, California. [illegible] Valley, California. [illegible] Valley, California. [illegible] Valley, California. [illegible] Valley, California. [illegible] Valley.

[illegible]

(a) [illegible] 30%. [illegible]

(b) [illegible] 20%. [illegible]

(c) [illegible]

(d) [illegible]

[illegible]

(a) [illegible]

(b) [illegible]

6. Sinking and Drifting Costs - 135 Feet Shaft, 600 Feet Drift

(a) Independent Contracts None.

(b) Labor and Supervision Costs for Sinking and Drifting
3,8 hr. Shifts Daily, 15 Shifts Weekly
Estimated Footage Advance, Sinking 22½' Weekly, Drifting 52½' Weekly

6 Miners	$2.00	per hr.			$480.00	per wk.	
3 Hoistmen	$1.75	"	"		$210.00	"	"
1 Mechanic	$2.00	"	"		$ 80.00	"	"
1 Utility Man & Watchman	$1.25	"	"		$ 50.00	"	"
1 Mine Foreman	$2.50	"	"	Salary	$100.00	"	"
1 Superintendent (Engineer)	$3.12½	"	"	"	$125.00	"	"
1 Bookkeeper (Accountant)	$2.50	"	"	"	$100.00	"	"
14							

Cost Totals For 135' Shaft, 600' Drift

Labor	$ 14,292.60
Supervision	3,721.75
Maintenance	1,481.76
Electric Power	653.51
Fuel & Oil	871.37
Air Pipe	508.00
Water Pipes	291.75
Vent Pipe	551.25
Rail	312.47
Steel (bits & shanks)	1,057.50
Explosives	4,104.08
Detonators	887.64
Timbers & Lumber	815.18
Compensation Insurance	1,973.50
Unemployment Insurance	538.77
F.I.C.A. Tax	299.30
Office & Accounting	1,743.00
Analytical	310.50
Miscellaneous	698.47
Contingencies	1,567.73
	$ 37,260.15

Labor, Supervision, Materials, Electric Power, Insurance, Taxes and Administrative Costs per foot of shaft or drift advanced are more or less fixed costs. The obvious way these costs per foot could be reduced would be to realize a greater footage sinking and drifting than estimated. We will certainly attempt to reduce costs by increasing footage above the estimate, but experience in sinking and drifting in this area make it doubtful that much reduction in costs below the estimate can be realized.

6. [illegible] of [illegible]

(c) Operating Materials and Supplies On Hand

Air Pipe	588.00
Water Pipes	291.75
Vent Pipe	551.25
Rail	612.47
Steel & Bits	1057.50
Detonators	887.64
Lumber	815.18
Miscellaneous	698.47
	$5,502.26

(d) Operating Equipment on Hand

Hoist	4000.00
Compressor	3500.00
Automotive Equipment	5250.00
Dump Cars	250.00
Skip	250.00
Hoisting Buckets	100.00
Muckers	2200.00
Blower and Motor	275.00
Water System	1500.00
Power Line	1000.00
Sponge Pump	700.00
Sinker Pump	750.00
Atlas Diesel Rock Drill	700.00
Worthington Jackhammer	350.00
Cleveland "	350.00
Ingersoll Rand Machine	1000.00
Air Hose	500.00
Electric Welder	750.00
Acetylene "	150.00
Hercules Blasting Machine	55.00
* Tools	620.00
Air Motor Steel Sharpener	175.00
Bench Saw	125.00
Chain Saw	200.00
Surveying Equipment	575.00
Carbide Generator	175.00
Office Equipment	800.00
	$ 26,500.00

* Tools include 2 forges, 1 blacksmith vise, 1 bench vise, 1 pipe vise, 1 set pipe dies, 1 set casing dies, 2 sets standard bolt dies and taps, 3 anvils, 20 blacksmith tongs, Drill press and set of drills, 2 sets socket wrenches, 1 set crescent wrenches, 12 pipe wrenches, 1 comealong, 1½ ton chain hoist, pipe tongs, rope blocks, snatch blocks, high pressure lubricators, double jacks, single jacks, shovels, picks, screw jacks and hydraulic jacks, etc.

The operators do not anticipate the necessity for purchase of additional mining equipment for the exploration project and suggest a rental charge of $2,000.00 for the use of the operators equipment for the term of the project.

6. Estimated Costs Of Drifting 8' by 7' Drift And Sinking 7' by 11' Two Compartment Shaft.

Item	Cost Per Foot Sinking	Cost Per Foot Drifting
Labor	$ 36.4444	$ 15.6210
Supervision	10.0000	4.2861
Maintenance	3.7895	1.6170
Electric Power	1.6666	0.7142
Fuel & Oil	2.2222	0.9523
Air Pipe	0.8000	0.8000
Water Pipes	1.0500	0.2500
Vent Pipe	0.7500	0.7500
Rail	0.8333	0.8333
Steel (bits & shanks)	2.5000	1.2000
Explosives	6.2833	5.4264
Detonators	2.6060	0.8914
Timbers & Lumber	5.4024	0.1250
Compensation Insurance	5.0372	2.1558
Unemployment Insurance	1.3740	0.5888
F.O.A. Tax	0.7633	0.3271
Office & Accounting	4.4444	1.9050
Analytical	0.3000	0.4500
* Miscellaneous	1.7777	0.7624
* Contingencies	3.9595	1.8220
Total	$ 92.0838	Total $ 41.4808

* Miscellaneous and Contingency Costs Estimated.

6. Estimate Of Costs

(e) In addition to materials and mining equipment on hand we have all of the buildings necessary for the operation. These buildings are as follows:

Change and Shower Room
Office and Bunkhouse
Repair Shop and Warehouse
Hoist House, Head Frame and Ore Bin.

These buildings are nearly new and are conservatively valued at $7,133.00

(f) No new buildings, improvements or rehabilitation to existing buildings or improvements will be necessary for this project. The existing shaft has been re-timbered within the past sixty days.

(g) and (h) Included with (b).

7.
(a) We will be prepared to furnish our share of the cost of the proposed project in accordance with the regulations on Government participation.

(b) We propose to furnish our share of the costs in money, materials, and allowable rental charges for the use of our mining equipment and facilities.

Charles A. Peterson, et al,
to
A. A. Weiler, et al

For and in consideration of the sum of $ 500.00, lawful money of the United States in hand paid by the Grantee, hereinafter named the Grantor, hereinafter named Charles A. Peterson and Florence Peterson, the Grantor, does by these presents, sell, transfer, grant, convey and confirm, free and clear of all encumbrance of every nature unto A. A. Weiler, Nella Weiler, Hal F. Hall, and Agnes Hall, & unto as tenants in common, all that certain real property, situate in the County of El Dorado, State of California, and particularly described as follows, to wit:

That certain Mining Claim or premises known as the Roosevelt Lode Mining Claim, designated by the Surveyor General as Survey #4806, embracing portions of Section 31, Township 12 North, Range 10 East, of Mount Diablo Meridian, Placer Valley Mining District, El Dorado County, State of California, and that 14th of August, 1911, for which premises patent was issued to Thomas A. Bennett upon said date, and which said patent appears of record in Book L of Patents at page 64, of said El Dorado County Records, and which patent and record thereof are hereby referred to for further particular description as the Roosevelt Lode Mining Claim.

Also the following described portion of Lot 2, of Section 3, Township 11, North, Range 10 East, M. D. B. & M.:

Commencing on the North line of said Lot 2, at Corner #1 of said Roosevelt Lode Mining Claim; thence south 90 degrees, 11 min.

east 642.5 feet; thence east 600 feet; thence north 30 degrees, 59 min. west 642.5 feet to corner # 2, of said Roosevelt Lode Mining; Claim on the said north line of said lot # 2; thence west 600 feet to place of beginning; and also any veins, lodes or ledges throughout their entire depth in said lot # 2, extended downward vertically, although such veins, lodes or ledges in their downward course may so far depart from the perpendicular so as to extend outside the vertical sidelines of said premises, provided that the right of possession to such outside parts of said veins, lodes or ledges shall be confined to such portions thereof as lie between vertical planes drawn downward through the North and South lines of said above granted portions of said lot # 2, so continuing in their own direction that such planes will intersect such exterior parts of said veins, lodes or ledges and provided further that nothing herein contained shall authorize the grantee herein to enter upon the surface of any portion of said lot # 2, other than the above granted portion thereof and the right of way hereinafter granted.

TOGETHER with a right of way for a wagon road from a point in lot # 3, Twp. 11 North, Range 10 East, M. D. M., on the Placerville-Georgetown Highway nearly opposite a cabin standing on the west side of the road and passing thence easterly to the south of an open-cut along the Blue Load Ledge and thence following the ravine and the adjoining hill-side in an easterly direction through said lot # 2, to the above granted premises.

C O P Y

COPY

C O P Y

MINE PURCHASE AGREEMENT

THIS AGREEMENT, made this 20th day of December, 1950, by and between H. A. WEILER, hereinafter called the party of the first part, and HAL T . HALL, hereinafter called the party of the second part,

W I T N E S S E T H:

That the party of the first part, for and in condideration of the sum of Ten Dollars ($10.00) cash in hand paid, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the party of the second part to be paid, kept and performed, does grant, convey, demise and let exclusively to the party of the second part that certain tract of land known as the ROOSEV ELT LODE OR PARCEL NO. 1 and PARCEL NO. 2, PATENTED MINING CLAIM, PATENT NO. 4806, and appearing of record in the County Recorder's Office, of the County of El Dorado, State of California.

This contract shall run for a period of three years, with the option to renew the same for an additional two years, upon thirty days written notice beforethe expiration of the three-year term. Said option to renew is predicated on the party of the second part continuing operations with due diligence to the time the said three-year term has expired; and it is further understood and agreed that the Party of the First Part may at all times enter said premises for the purpose of inspecting the same.

The Party of the First Part does hereby grant and let exclusively to the Party of the Second Part, the hereinabove described property for the sole purpose of geological exploration, developing and operating and mining precious and other metals and minerals and by-products and to sell the products thereof and to pay to the said Party of the First Part a royalty of ten per cent (10%) of all proceeds from net smelter returns within fifteen days after settlement is received by the Second Party.

The full purchase price of the hereinabove described property is TWENTY-FIVE THOUSAND DOLLARS ($25,000.00), and the ten per cent royalty paid to the Party of the First Part shall apply as payments on the full purchase price. The said Party of the Second Part shall reserve the right of paying the full amount of the purchase price, or the balance thereof, at any time he elects to do so, during the life of this agreement.

This agreement shall constitute an executory contract of sale under the terms hereinabove and hereinafter set forth.

The Party of the Second Part shall have a period of ninety days to begin work on said property, and it is hereby understood that he shall perform a minimum of forty shifts (40), per month, and that operations once commenced shall proceed in good faith and diligence in a miner-like manner to extract and mine precious and other minerals that they may deem profitable.

The Party of the Second Part agrees to carry a Workmen's Insurance Policy as required by the laws of the State of California, and will be placed in force at the beginning of operations.

The Party of the Second Part further agrees to keep said premises free and clear of all costs, liens and encumbrances.

It is further understood and agreed that all taxes accruing on said property shall be met by the party of the Second Part during the life of this agreement.

This contract shall be terminated at the expiration thereof unless the option to re-new is exercised as hereinabove set forth, in which event it is to be terminated at the expiration of said option, or it may be terminated by the party of the Second Part upon giving thirty days written notice to the Party of the First Part. In either of these events or termination, the Party of the Second Part shall have the right to remove all equipment, machinery and materials of all descriptions which are placed upon said property by the Party of the Second Part within ninety days of the termination of this contract.

The Party of the Second Part shall have the option at any time during the term of this contract, or extension thereof, to sell said property, subject to the terms of this contract, and any sale that is made by the Second Party, the Party of the First Part shall receive one-fifth of all monies paid, but in no,event to exceed the full purchase price of $ 25,000.00; and it is mutually understood that when said $ 25,000.00, shall have been paid in full, then the ten per cent royalties paid towards the purchase price shall cease, and the Party of the First Part shall have no further right, title or interest in or to said property, or the profits thereof, and to deliver to said Second Party a good and sufficient deed.

It is also understood and agreed by both parties that these presents contain a full and complete understanding between them, and that any change and/or alteration effecting any of the terms, covenants or conditions contained herein, shall be in writing and executed by both parties hereto; that is to say: any verbal understanding shall not be binding on either the Party of the First Part or the Party of the Second Part.

This agreement shall be binding on the heirs, executors, administrators and assigns of all parties hereto.

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

Signed
H. A. Weiler

Signed
Hal T. Hall

This agreement was recorded in the Office of the Recorder of El Dorado County, California, at 47 minutes past 2 P. M., on December 26th, 1950, on Page 278, Book 290.

C O P Y

COPY

C O P Y

MINE PURCHASE AGREEMENT

THIS AGREEMENT, made this 20th day of December, 1950, by and between H. A. WEILER, hereinafter called the party of the first part, and HAL T . HALL, hereinafter called the party of the second part,

W I T N E S S E T H:

That the party of the first part, for and in consideration of the sum of Ten Dollars ($10.00) cash in hand paid, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the party of the second part to be paid, kept and performed, does grant, convey, demise and let exclusively to the party of the second part that certain tract of land known as the ROOSEVELT LODE OR PARCEL NO. 1 and PARCEL NO. 2, PATENTED MINING CLAIM, PATENT NO. 4806, and appearing of record in the County Recorder's Office, of the County of El Dorado, State of California.

This contract shall run for a period of three years, with the option to renew the same for an additional two years, upon thirty days written notice beforethe expiration of the three-year term. Said option to renew is predicated on the party of the second part continuing operations with due diligence to the time the said three-year term has expired; and it is further understood and agreed that the Party of the First Part may at all times enter said premises for the purpose of inspecting the same.

The Party of the First Part does hereby grant and let exclusively to the Party of the Second Part, the hereinabove described property for the sole purpose of geological exploration, developing and operating and mining precious and other metals and minerals and by-products and to sell the products thereof and to pay to the said Party of the First Part a royalty of ten per cent (10%) of all proceeds from net smelter returns within fifteen days after settlement is received by the Second Party.

The full purchase price of the hereinabove described property is THIRTY-FIVE THOUSAND DOLLARS ($25,000.00), and the ten per cent royalty paid to the Party of the First Part shall apply as payments on the full purchase price. The said Party of the Second Part shall reserve the right of paying the full amount of the purchase price, or the balance thereof, at any time he elects to do so, during the life of this agreement.

This agreement shall constitute an executory contract of sale under the terms hereinabove and hereinafter set forth.

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The Party of the Second Part agrees to carry a Workmen's Insurance Policy as required by the laws of the State of California, and will be placed in force at the beginning of operations.

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This contract shall be terminated at the expiration thereof unless the option to re-new is exercised as hereinabove set forth, in which event it is to be terminated at the expiration of said option, or it may be terminated by the party of the Second Part upon giving thirty days written notice to the Party of the First Part. In either of these events or termination, the Party of the Second Part shall have the right to remove all equipment, machinery and materials of all descriptions which are placed upon said property by the Party of the Second Part within ninety days of the termination of this contract.

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This agreement shall be binding on the heirs, executors, administrators and assigns of all parties hereto.

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

Signed
A. A. Weiler

Signed
Hal T. Ball

This agreement was recorded in the Office of the Recorder of El Dorado County, California, at 47 minutes past 2 P. M., on December 26th, 1950, on Page 278, Book 290.

Charles J. Peterson, et al,
To
H. A. Weiler, et al

For and in consideration of the sum of $ 500.00, lawful money of the United States in hand paid by the Grantee, hereinafter named unto the Grantor, hereinafter named Charles J. Peterson and Florence Peterson, the Grantor, does by these presents, sell, transfer, grant, convey and confirm, free and clear of all encumbrance of every nature unto H. A. Weiler, Nella Weiler, Hal T. Hall, and Hayse Hall, Grantee as tenents in common, all that certain real property, situate in the County of El Dorado, State of California, and particularly described as follows, to wit:

That certain Mining Claim or premises known as the Roosevelt Lode Mining Claim, designated by the Surveyor General as Survey #4806, embracing portions of Section 34, Township 12 North, Range 10 East, of Mount Diablo Meridian, Garden Valley Mining District, El Dorado County, State of California, and dated 14th of August, 1911, for which premises patent was issued to Marcus P. Bennett upon said date, and which said patent appears of record in Book L of Patents at page 64, of said El Dorado County Records, and which patent and record thereof are hereby referred to for further particular description as the Roosevelt Lode Mining Claim.

Also the following described portion of Lot 2, of Section 3, Township 11, North, Range 10 East, M. D. B. M.

Commencing on the North line of said lot 2, at Corner # 1 of said Roosevelt Lode Mining Claim; thence south 30 degrees, 44 min.

east 642.5 feet; thence east 600 feet; thence north 30 degrees, 59 min. West 642.5 feet to corner # 2, of said Roosevelt Lode Mining Claim on the said north line of said Lot # 2; thence west 600 feet to place of beginning; and also any veins, lodes or ledges throughout their entire depth in said Lot # 2, extended downward vertically, although such veins, lodes or ledges in their downward course may so far depart from the perpendicular so as to extend outside the vertical sidelines of said premises, provided that the right of possession to such outside parts of said veins, lodes or ledges shall be confined to such portions thereof as lie between vertical planes drawn downward through the North and South Lines of said above granted portions of said Lot # 2, so continuing in their own direction that such planes will intersect such exterior parts of said veins, lodes or ledges and provided further that nothing herein contained shall authorize the grantee herein to enter upon the surface of any portion of said Lot # 2, other than the above granted portion thereof and the right of way hereinafter granted.

TOGETHER with a right of way for a wagon road from a point in Lot # 3, Twp. 11 North, Range 10 East, M. D. M., on the Placerville-Georgetown Highway nearly opposite a cabin standing on the west side of the road and passing thence easterly to the south of an open-cut along the Blue Lead Ledge and thence following the ravine and the adjoining hill-side in an easterly direction through said Lot # 2, to the above granted premises.

C O P Y

COPY

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W I T N E S S E T H:

That the party of the first part, for and in consideration of the sum of Ten Dollars ($10.00) cash in hand paid, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained on the part of the party of the second part to be paid, kept and performed, does grant, convey, demise and let exclusively to the party of the second part that certain tract of land known as the ROOSEV ELT LODE OR PARCEL NO. 1 and PARCEL NO. 2, PATENTED MINING CLAIM, PATENT NO. 4806, and appearing of record in the County Recorder's Office, of the County of El Dorado, State of California.

This contract shall run for a period of three years, with the option to renew the same for an additional two years, upon thirty days written notice beforethe expiration of the three-year term. Said option to renew is predicated on the party of the second part continuing operations with due diligence to the time the said three-year term has expired; and it is further understood and agreed that the Party of the First Part may at all times enter said premises for the purpose of inspecting the same.

The Party of the First Part does hereby grant and let exclusively to the Party of the Second Part, the hereinabove described property for the sole purpose of geological exploration, developing and operating and mining precious and other metals and minerals and by-products and to sell the products thereof and to pay to the said Party of the First Part a royalty of ten per cent (10%) of all proceeds from net smelter returns within fifteen days after settlement is received by the Second Party.

The full purchase price of the hereinabove described property is TWENTY-FIVE THOUSAND DOLLARS ($25,000.00), and the ten per cent royalty paid to the Party of the First Part shall apply as payments on the full purchase price. The said Party of the Second Part shall reserve the right of paying the full amount of the purchase price, or the balance thereof, at any time he elects to do so, during the life of this agreement.

This agreement shall constitute an executory contract of sale under the terms hereinabove and hereinafter set forth.

The Party of the Second Part shall have a period of ninety days to begin work on said property, and it is hereby understood that he shall perform a minimum of forty shifts (40), per month, and that operations once commenced shall proceed in good faith and diligence in a miner-like manner to extract and mine precious and other minerals that they may deem profitable.

The Party of the Second Part agrees to carry a Workmen's Insurance Policy as required by the laws of the State of California, and will be placed in force at the beginning of operations.

The Party of the Second Part further agrees to keep said premises free and clear of all costs, liens and encumbrances.

It is further understood and agreed that all taxes accruing on said property shall be met by the party of the Second Part during the life of this agreement.

This contract shall be terminated at the expiration thereof unless the option to re-new is exercised as hereinabove set forth, in which event it is to be terminated at the expiration of said option, or it may be terminated by the party of the Second Part upon giving thirty days written notice to the Party of the First Part. In either of these events or termination, the Party of the Second Part shall have the right to remove all equipment, machinery and materials of all descriptions which are placed upon said property by the Party of the Second Part within ninety days of the termination of this contract.

The Party of the Second Part shall have the option at any time during the term of this contract, or extension thereof, to sell said property, subject to the terms of this contract, and any sale that is made by the Second Party, the Party of the First Part shall receive one-fifth of all monies paid, but in no event to exceed the full purchase price of $ 25,000.00; and it is mutually understood that when said $ 25,000.00, shall have been paid in full, then the ten per cent royalties paid towards the purchase price shall cease, and the Party of the First Part shall have no further right, title or interest in or to said property, or the profits thereof, and to deliver to said Second Party a good and sufficient deed.

It is also understood and agreed by both parties that these presents contain a full and complete understanding between them, and that any change and/or alteration effecting any of the terms, covenants or conditions contained herein, shall be in writing and executed by both parties hereto; that is to say: any verbal understanding shall not be binding on either the Party of the First Part or the Party of the Second Part.

This agreement shall be binding on the heirs, executors, administrators and assigns of all parties hereto.

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

Signed
M. A. Weiler

Signed
Hal T. Hall

This agreement was recorded in the Office of the Recorder of El Dorado County, California, at 47 minutes past 2 P. M., on December 26th, 1950, on Page 278, Book 290.

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DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

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