MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE Contract No. 2269 Docket No. 6650

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [✓] Closing Letter
- [X] Cost Audits 1/69
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [x] Contract with all exhibits and annexes 8/27/68
- [ ] Owner's Consent to Lien and Subordination Agreement
- [✓] Application and Attachments

Right Side

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semiannual Report for Certified Project
- [X] Final Field Team Report (Tab)
- [x] Operator's Final Report (Tab) 11/8/68 w/Sept.-Oct. voucher
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [X] On-site Exam. Report (Tab) 12/1/67
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports
- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

Right Side

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with Transmittal, Narrative and Maps

Folders No. _____: Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty Material

72195-65

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/14/69	Peterson	120
	Emerick	120
		220

AIRMAIL

Geomineral Corporation
535 Subway Terminal Building
417 South Hill Street
Los Angeles, California 90013

MAR 18 1969

Re: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

Gentlemen:

Reference is made to your terminated exploration contract with the Government.

We sincerely regret that the work performed did not result in a certification of possible production under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

We appreciate your interest and participation in the OME exploration program.

Sincerely yours,

William L. Emerick

W. L. Emerick
For: Harold Kirkemo
Acting Chief
Office of Minerals Exploration

cc: Direcotr's Reading File
Economic Geology File
Branch of Budget and Finance
OME Docket
OME Reading File
OME Region II
Mr. Peterson
130

ECPeterson/bsl 3/14/69

I-C-DC-OME-12-69

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UNITED STATES
DEPARTMENT OF THE INTERIOR

Office of Survey and Review

Audit Operations

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O. M. E.
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FEB 28 1969

INITIALS	CODE
glm	130
	120
EP	120

Report of Review-Contract 2269
Docket No. OME-6650 (Silver)
Geomineral Corporation
San Bernardino County, California

Washington, D.C.
January 1969

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
OFFICE OF SURVEY AND REVIEW
AUDIT OPERATIONS, REGION I
1325 K STREET, N. W., ROOM 614
WASHINGTON, D. C. 20005

FEB 11 1969

Memorandum

To: Director, Geological Survey

From: Regional Director, Audit Operations, Region I

Subject: Review of Contract 2269
Docket No. OME-6650 (Silver)
Geomineral Corporation
San Bernardino County, California

As requested by the Chief, Office of Minerals Exploration, we made a cost review of Contract No. 2269. The results of our review are shown in the attached report.

C. D. Bare

We reviewed the contract files of the Office of Minerals Exploration (OME) pertaining to their minerals exploration Contract No. 2269 with Geomineral Corporation (Operator), and examined the related disbursement records in the Branch of Budget and Finance, Administrative Division, Geological Survey. This review was made at Washington, D. C. during January 1969.

The Contract was awarded on August 27, 1968, for $20,000 the total estimated costs of the project, with OME participation on a 75 percent basis. The purpose of this contract was to explore by rotary drilling, from prepared surface drill sites, for silver-bearing ore bodies in or near faults and a fault intersection and in sedimentary and volcanic rocks of the Barstow formation of Tertiary Age.

Repayment of disbursed Federal funds plus interest at 7½ percent was to be made on the basis of established royalties of all minerals and metals produced from the land during the exploratory operations and for a period of 10 years from the date of the contract should a certification of possible production be made by OME. Completion of all work under the contract was to begin on or before September 15, 1968, and was to be completed December 15, 1968.

The work was divided into two stages, with approval to begin Stage II dependent on the results of Stage I. On November 8, 1968, the

vice-president of Geomineral Corporation informed the Field Engineer, OME Region II that the results were negative from exploration under Stage I and that Stage II of the contract would not be performed.

Work under the contract consisted of bulldozing access roads to the drill sites, leveling the sites, and rotary drilling not more than three holes for not more than 1,000 feet.

The units of work authorized and paid under the contract are summarized on Exhibit I. A field inspection was made and voucher submission approved by the OME Region II office. We believe that the claimed and accepted costs of $9,480, and the OME participation on the 75 percent basis for $7,110, were proper under the terms of the contract.

On December 3, 1968, the OME Field Officer suggested to the Chief, Office of Minerals Exploration that this project not be certified.

C. D. Bare

Regional Director

Summary of Contract Terms, Accepted Costs, and Unexpended Balances

Actual Costs	Authorized Amounts	Accepted Costs	Unexpended Balances
Category (1) Independent Contracts			
Mobilization of Bulldozer	$ 37	$ 37	$
Bulldozing Access Roads and drill sites 3 hours at $20/hour	60	60	
Mobilization and Demobilization Drilling Rig and Truck	300	300	
Rotary Drilling (Minimum Hole size 3½") 1,000 feet at $7/foot	7,000	7,000	
Cementing and Redrilling 30 hours at $25/hour	750	738	12
Reaming and Setting Casing 70 feet at $3/foot	210	90	120
Category (2) Personal Services			
1 - Supervisor, 1 month at $750/month	750	250	500
1 - Outside Consultant 4 days at $75/day	300		300
Category (3) Operating Material and Supplies			
Cement, Cement Substitutes, Drilling Mud, and Additives	40	40	
Subtotal	$ 9,447	$8,515	$932

Summary of Contract Terms, Accepted Costs, and Unexpended Balances

Actual Costs	Authorized Amounts	Accepted Costs	Unexpended Balances
Category (7) Miscellaneous			
Per Diem, Outside Consultant 4 days at $16/day	$ 64	$	$ 64
Transportation for Consultant 700 miles at $0.10/mile	70		70
Office and Accounting Expenses 1 month at $50/month	50	50	
Payroll taxes, FICA, and Insurance	56		56
Assaying for Gold and Silver 200 Samples at $3/sample	600	902	(302)
Transportation of Samples	13	13	
Total Costs	$10,300	$9,480	$820
Governmant Participation - 75%	$ 7,725	$7,110	$615

Government's Copy

EXPLORATION CONTRACT
GEOMINERAL CORPORATION
OME-6650

AMENDMENT NO. 1

It is agreed this 23rd day of December, 1968, between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and Geomineral Corporation, hereinafter called the "Operator," that Exploration Contract 2269 (OME-6650), dated August 27, 1968, is amended effective the date of the contract as follows:

1. In Exhibit A:

(a) Under the heading Estimated Cost of Project, Stage I, is revised to read as follows:

Actual Costs

Category (1) Independent Contracts

Mobilization of bulldozer	$ 37.00	
Bulldozing access roads and drill sites 3 hours @ $20.00/hr.	60.00	
Mobilization and demobilization, drilling rig and truck	300.00	
Rotary drilling (minimum hole size 3-1/2"), 1,000 feet @ $7.00/foot	7,000.00	
Cementing and redrilling, 30 hours @ $25.00/hour	750.00	
Reaming and setting casing, 70 feet @ $3.00/foot	210.00	
		$ 8,357.00

Category (2) Personal Services

None except:

1 Supervisor, 1 month @ $750.00/mo.	$ 750.00	
1 Outside consultant, 4 days @ $75.00/day	300.00	
		$ 1,050.00

Category (3) Operating Materials and Supplies

None except:

Cement, cement substitutes, drilling mud, and additives	40.00	
		40.00

Category (7) Miscellaneous

None except:

Per diem, outside consultant, 4 days @ $16.00/day	64.00	
Transportation for consultant, 700 miles @ $0.10/mile	70.00	
Office and accounting expenses, 1 month @ $50.00/mo.	50.00	
Payroll taxes, F.I.C.A., and insurance	56.00	
Assaying for gold and silver, 200 samples @ $3.00/sample	600.00	
Transportation of samples	13.00	
		$ 853.00

Total Estimated Costs, Stage I $10,300.00

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

Executed in quadruplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Frank E. Johnson
Chief, Office of Minerals Exploration

GEOMINERALS CORPORATION

By William T. Roberts

Title Vice President

Long
E. Peterson
Kiokamo
Kilogaard

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/10/68	Kirkham	120
"	Johnson	120
		110
		220
		120M

December 10, 1968

Memorandum

To: The File

From: E. C. Peterson

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract No. 2269

Justification for Amendment No. 1

Certain cost items were not included under the estimated costs in the contract through mutual error of the Operator and Government.

In order that the Operator may be reimbursed for the Government's share of these necessary costs, it is recommended, that the amendment to the contract to allow for these expenses be approved.

The amendment will not increase the estimated cost of the contract as monies for other items were not completely used.

The Operator has completed the exploration authorized under Stage I of the contract. The results were unfavorable and indicated that further work under Stage II was not warranted.

Edward C. Peterson

Edward C. Peterson

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Mr. Peterson

ECPeterson/bsl 12/10/68

Government's copy

MME Form 50
July 1965

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

EXPLORATION CONTRACT
(Long Form)

Docket No.	Commodity	Contract No.	County	State
OME -6650	Silver	2269	San Bernardino	California

It is agreed AUG 27 1968 (Date), between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and

Geomineral Corporation

525 Subway Terminal Building
whose mailing address is 417 South Hill Street, Los Angeles, California 90013, hereinafter called the "Operator," as follows:

ARTICLE 1. Authority and scope.--(a) This contract entered into under the authority of Public Law 701, 85th Cong., 2d sess. (72 Stat. 700; 30 U.S.C. § 641 - 646), consists of this form, the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed. The work is a search for new or unexplored deposits of the commodity designated above. The Operator shall begin the work on or before SEP 15 1968 (Date), and, subject to the provisions of Article 9 and Exhibit A, shall either have completed the work within 3 months from the date of the contract or shall have incurred allowable costs (see Article 6) in a sum not less than the total cost set forth in Exhibit A.

(b) The total allowable cost of the work set forth in Exhibit A is $20,000.00. The Government will contribute 75 percent of the allowable costs as they are incurred, in a total sum not in excess of $15,000.00 in accordance with the provisions of Articles 3, 4, 5, and 6. "Costs incurred" means costs that have been paid or have become due and payable, or that the Government determines have become obligations.

(c) Interest computation.--Simple interest at the rate of 7-½ percent shall accrue from the dates Federal funds are made available until the period specified for payment of royalty expires, or until the amount of Federal funds contributed is fully repaid with interest.

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

ARTICLE 2. Operator's right in land.--(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's right of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances:

SEE ANNEX I

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the lien agreement of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached as follows:

SEE ANNEX I

(c) The Operator shall preserve and maintain his right, title, or interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a royalty on production and liens for the payment thereof. Two true copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 7 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. Performance of the work.--(a) Operator's responsibility.--The work shall be performed diligently, efficiently, in a workmanlike manner in accordance with good mining standards, and in compliance with State laws governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work as specified in Article 1(a).

(b) Independent contracts.--To the extent that the allowable costs are estimated in Exhibit A with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed (see Article 6(a), Category (1)). Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract, the Government will participate in payments to the independent contractor only as to work performed in accordance with the provisions of this exploration contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) Government may inspect.--The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract and production operations during the period that royalty is payable to the Government. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. Contribution by the Government.-- The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5(b), but all payments by the Government are provisional only, subject to audit. Until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been received, the Government may withhold such sums as are necessary to protect its interests. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. Reports, accounts, audits.--(a) Operator's records.--The Operator shall keep suitable records and accounts of the work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(b) Monthly reports.--The Operator shall provide the Government with four copies of monthly reports in three sections as follows:

(1) Operator's Monthly Voucher claiming costs for work performed;

(2) Operator's Progress Report showing the number of units of the various types of work performed; and

(3) a narrative report of the work performed during the reporting period, including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground.

(Forms for reporting under (1) and (2) above will be provided by the Government; however, the original of the Operator's Monthly Voucher shall be supported by documentary evidence, such as certified copies or transcripts of payrolls and invoices, for all costs claimed under Article 6 (a) (1).)

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

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

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

ARTICLE 6. Costs.--(a) Allowable costs.--The allowable costs of the work to which the Government will contribute are limited to:

(1) the necessary, reasonable, and direct actual costs that are estimated in Exhibit A by categories as specified in this article; and

(2) fixed costs for units of work to be performed (per foot, per hour, etc.) agreed upon in lieu of actual costs and set forth in Exhibit A.

The Government will not contribute to costs under any category or subcategory omitted from the estimate of costs in Exhibit A. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost; any excess over a fixed unit cost; and any excess over the total allowable cost of the work are not allowable. The Operator shall incur such excesses for his own account without contribution by the Government, but the Operator is not obligated to incur more than his agreed percentage of the total allowable cost of the work.

Any category or subcategory or element thereof not designated as a maximum in this article, or in Exhibit A may be exceeded, provided that the total allowable cost of the work, which is a maximum, is not exceeded.

CATEGORY (1)--INDEPENDENT CONTRACTS.--(See Article 3(b)). The total of this category and the average unit cost estimated for each type of work to be performed under an independent contract are maximums.

CATEGORY (2)--PERSONAL SERVICES.

Subcategory (a)--Supervision and Technical Services--All elements of this subcategory (number of supervisors, technicians, outside consultants, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)--Labor.

CATEGORY (3)--OPERATING MATERIALS AND SUPPLIES.--Includes such items as drill bits and steel, explosives, fuel, pipe, power, timber, rail, and small tools costing less than $50 each.

CATEGORY (4)--OPERATING EQUIPMENT.

Subcategory (a)--Rental.--The number of each rented item [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

Subcategory (b)--Purchases.--The total of this subcategory is a maximum.

Subcategory (c)--Depreciation.--All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)--INITIAL REHABILITATION AND REPAIRS.--Costs of items listed under this category include all requirements, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The total of this category is a maximum.

Subcategory (a)--Initial rehabilitation and repairs of existing buildings, fixtures, and installations (exclusive of mine workings).--The total of this subcategory is a maximum.

Subcategory (b)--Initial rehabilitation and repairs of operating equipment.--The total of this subcategory is a maximum.

CATEGORY (6)--NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).--Costs of items listed under this category include all requirements, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The total of this category is a maximum.

CATEGORY (7)--MISCELLANEOUS.--Includes requirements and costs that do not fall within any of the first six categories, such as repairs other than initial and maintenance of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, and communications.

(b) Nonallowable costs.--In addition to the limitations imposed by paragraph (a) of this Article 6 the Government will not contribute to the following costs:

(1) Costs of the land, such as rental, depreciation, depletion, or other costs of acquiring, owning, or holding possession;

(2) Indirect costs, such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) Previous work performed or costs incurred before the date of this contract; and

(4) Deferred payments.--Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods, unless the purchase agreement is approved by the Government in writing.

(c) Reductions in costs.--The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original total cost. The provision does not apply to receipts from production which are subject to the Government's royalty under the provisions of Article 7.

ARTICLE 7. Repayment by Operator.--(a) Certification.--If the Government considers that mineral or metal production from the land covered by the contract may be possible as a result of the exploration work, it shall so certify in writing to the Operator at any time not later than six months after a sufficient final report and final accounting (see Article 5) have been furnished.

(b) Royalty on production.--The Operator, whether or not the producer (for example, if the Operator either transfers or does not retains his interest in the land), shall pay to the Government a royalty on all minerals and metals mined or produced from the land as follows:

(1) irrespective of any certification of possible production--from the date of the contract until the lapse of the time within which the government may issue such certification or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first; or

(2) if the Government issues a certification of possible production--for a period of ten years from the date of the contract, or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first.

(c) Payment of royalty.--(1) The Government's royalty shall be five percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrate, metal or equivalent), at the point of delivery (the f.o.b. point); except, that charges of the buyer arising in the regular course of business and shown as deductions on the buyer's settlement sheets (such as treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight payable by the buyer to a carrier (not the Operator or producer)), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. No costs of the Operator or Producer are deductible in arriving at the "gross proceeds" as that term is here used.

The term "treatment processes" means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(2) The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be.

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

(e) Lien for payment.--To secure the payment of royalty (see Article 7(b)), the Operator hereby grants to the Government a lien upon his interest in the land and upon any production of minerals and metals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(f) Notice to purchasers.--The Operator or producer shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Government, and this estimate shall be final and binding upon the Operator or producer.

(g) No obligation to produce.--Nothing in this contract shall be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

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

ARTICLE 8. Interests in purchased property.--(a) Title and ownership.--All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions although title thereto shall be taken in the name of the Operator.

(b) Preservation of property.--Until the final disposal of any property in which the Government has an interest, the Operator shall preserve and protect same for the best interest of the Government, and any reasonable and necessary cost thereof will be treated as an allowable cost of the exploration. After the completion of the work, termination of the Government's obligation to contribute, or when such property is not being used for the work, the Operator shall not use it elsewhere without the written consent of the Government and without paying a reasonable rental to be fixed by the Government for its proportionate interest.

(c) Disposal of property.--Upon the completion of the work, termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest for the joint account of the Government and the Operator, either by return to the vendor, sale to others, purchase by the Operator, or sale or transfer to the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government, the Operator shall not sell at any price any item of property that cost more than $500, and shall not sell at less than 25 percent of the purchase price any item of property that cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or offers. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, explosives, pipe, or rail), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item, the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the exploration.

(d) Default of the Operator re disposal.--If within 90 days after the completion of the work, termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may:

(1) in writing extend the time within which the Operator must dispose of or liquidate the property;

(2) by written notice to the Operator, place upon such property what it determines to be a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; and

(3) enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 9. Termination of the Government's obligations.--(a) If the Government determines that operations at any time have failed to achieve anticipated results and further work is not justified, the Government may give the Operator written notice thereof, and thereupon:

(1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

(b) If the Government determines that the Operator is in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon:

(1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 9 shall not affect the Government's rights as provided for in the contract with respect to royalty and liens to secure the payment thereof, and such rights shall be fully preserved.

(d) The determinations of the Government are subject to appeal under Article 13.

ARTICLE 10. Notices to be given by the Government may be delivered to the Operator, or may be sent by certified mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 11. Officials not to benefit.--No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 12. Nondiscrimination in Employment. The provisions respecting nondiscrimination in employment which are required by section 301 of Executive Order 10925, dated March 6, 1961 as amended and supplemented are attached hereto as Exhibit B and are hereby incorporated in and made a part of this contract.

ARTICLE 13. Disputes.--Any dispute arising under this contract which is not disposed of by agreement shall be decided by the Director, U. S. Geological Survey, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Operator. The decision of the Director, U. S. Geological Survey, shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Operator mails or otherwise furnishes to the Director, U. S. Geological Survey, a written appeal addressed to the Secretary of the Interior. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

The term "Director, U. S. Geological Survey," as used herein includes his duly authorized representative.

ARTICLE 14. Work Hours Act of 1962 - Overtime Compensation.--This contract, to the extent that it is of a character specified in the Work Hours Act of 1962 (Public Law 87-581, 76 Stat. 357-360) and is not covered by the Walsh-Healey Public Contracts Act (41 U.S.C. 35-45), is subject to the following provisions and to all other provisions and exceptions of said Work Hours Act of 1962.

(a) Overtime requirements.--No Operator or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic to be employed on such work in excess of eight hours in any calendar day or in excess of forty hours in any workweek unless such laborer or mechanic receives compensation at a rate of not less than one and one-half times his basic rate of pay for all hours worked in excess of eight hours in any such calendar day or in excess of forty hours in any such workweek, as the case may be.

(b) Violations; liability for unpaid wages; liquidated damages.--In the event of any violation of the clause set forth in subparagraph (a) of this paragraph, the Operator and any subcontractor responsible therefor shall be liable to any affected employee for his unpaid wages. In addition, such Operator and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for

liquidated damages. Such liquidated damages shall be computed, with respect to each individual laborer or mechanic employed in violation of the clause set forth in subparagraph (a) of this paragraph, in the sum of $10 for each calendar day on which such employee was required or permitted to work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in subparagraph (a) of this paragraph.

(c) Withholding for unpaid wages and liquidated damages.--The U. S. Geological Survey may withhold or cause to be withheld, from any moneys payable on account of work performed by the Operator or subcontractor, such sums as may administratively be determined to be necessary to satisfy any liabilities of such Operator or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (b) of this paragraph.

ARTICLE 15. Copeland (Anti-Kickback) Act--Nonrebate of wages.--The regulations of the Secretary of Labor applicable to contractors and subcontractors (29 CFR, Part 3), made pursuant to the Copeland Act, as amended (40 U. S. C. 276c) and to aid in the enforcement of the Anti-Kickback Act (18 U. S. C. 874) are made a part of this contract by reference. The Operator will comply with these regulations and any amendments or modifications thereof and will be responsible for the submission of affidavits required of independent contractors thereunder. The foregoing shall apply except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances, and exemptions.

ARTICLE 16. Changes and added provision.--

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

GEOMINERAL CORPORATION
(Operator)

By Charles V Armstrong

Title President, GEOMINERAL CORPORATION

By Arthur A Baker
Acting Director, U. S. Geological Survey
Office of Minerals Exploration

Bla
Long
App'd. Sol. Off.
Peterson
Kirkemo
Johnson
D W Peterson
Shelden
James 8/16

I, ROBERT D. UPP, certify that I am the
(Name)

secretary of the corporation named as Operator herein; that

CHARLES V. ARMSTRONG, who signed this contract on behalf of the Operator, was then
(Name)

President of said corporation; that said contract was duly signed for
(Title)

and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

[CORPORATE SEAL]

EXPLORATION CONTRACT
GEOMINERAL CORPORATION
OME-6650

ANNEX I

The land, including all rights pertaining thereto, referred to in Article 2 of the contract consists of five (5) unpatented lode mining claims in secs. 22, 23, and 27, T. 10 N., R. 1 E., S.B.B.M. Calico Mining District, San Bernardino County, California. It is shown outlined in red on Figure 1, entitled "Map showing property and proposed exploration, Stage I, Carl Claims, San Bernardino County, California," attached and made part hereof.

The unpatented claims are recorded in the San Bernardino County Recorder's office at San Bernardino, California, as follows:

Claim	Book	Pages	Microfilm
Armstrong	457	508-510	673
Betty Laue	457	517-519	676
Cook	457	505-507	672
Eric Laue	457	514-516	675
Roberts	457	511-513	674

The Operator is in possession of the claims under terms of an Assignment Agreement, dated December 9, 1967, from Harold S. Cook, Jr., William F. Roberts, Eric Laue, Elizabeth C. Laue, Charles V. Armstrong, L. Trevor Grimm, and Emily Roberts, the owners, recorded in Book 6955, Page 221 of the Official Records in the San Bernardino County Recorder's office at San Bernardino, California and on Assignment Agreement dated August 5, 1968 from Lucille Cook.

Lien and Subordination Agreements executed by owners of the above-listed claims are attached and made a part hereof.

Special Agreement Concerning Land

I. Specific reference is made to the decision handed down by the Secretary of the Interior on February 28, 1968 (A-30889), attached

and made a part hereof, affirming the decision of the Bureau of Land Management (Riverside 249, 250, 251) in declaring invalid, ab initio, those portions of the Roberts, Cook, and Armstrong claims which are located within the area outlined in green on Figure 1, attached and made part hereof. No work under this contract shall be performed in this area.

II. No provision of this contract, nor the fact that it was executed by the Government, shall be construed to give the Operator, or any successor thereof, any greater rights in any of the land covered by the contract, or in any portion of the claims (Roberts, Cook, and Armstrong) which was declared invalid, as discussed in I, supra, than they would have had under the Public Land Laws of the United States prior to the execution of this contract.

III. In the event that the Operator, or any successor thereof, at any time during the period that any provision of this contract is in force, acquires any interest in any portion of the land referred to in I supra, and outlined in green on Figure 1, it is agreed that such land shall thereupon become subject to all of the provisions of this contract then in force.

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090 – 2203
Contract Date AUG 27 1968

LIEN AND SUBORDINATION AGREEMENTS[1]

To the United States of America:

That certain land in the County of San Bernardino, State of California,

described as follows:[2] Cook Lode Mining Claim, Recorded in Book 457, pages 505-507, microfilm 672; Armstrong Lode Mining Claim, Book 457, pgs. 508-510, microfilm 673; Roberts Lode Mining Claim, Book 457, pgs. 511-513, microfilm 674; Eric Laue Lode Mining Claim, Book 457, pgs. 514-516, microfilm 675; Betty Laue Lode Mining Claim, Book 457, pgs. 517-519, microfilm 676; Mining records of San Bernardino County.

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

Geomineral Corporation[3]

hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same.[4]

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.)

NONE

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease /or contract, deed, or other document/ dated _____, and recorded in Book _____, Page ____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions NONE (State "None" or "See Annex No. ____".)

Dated this 10 day of July, 1968.

William F. Roberts	(Seal)	11169 So. Chadsey Dr Whittier, Calif 90604	(Street) (City & State)
Lucille F. Cook	(Seal)	417 So. Hill St Los Angeles, Calif 90013	(Street) (City & State)
Eric G. Laue	(Seal)	1260 Encino Dr San Marino Calif 91108	(Street) (City & State)
Betty C. Laue	(Seal)	1260 Encino Dr San Marino Calif 91108	(Street) (City & State)
Charles V. Armstrong	(Seal)	2316 LAS LUNAS ST PASADENA CALIF 91107	(Street) (City & State)
	(Seal)		(Street) (City & State)

I, Robert D. Upp (Name), certify that I am the Secretary (Title—Secretary, etc.) of the corporation named herein; that CHARLES V. ARMSTRONG (Name), who signed this agreement was then President (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers. I further certify that William F. Roberts, Eric G. Laue, Betty C. Laue, Lucille F. Cook, and Charles V. Armstrong are all shareholders of said corporation.

(Corporate Seal)

Mr. Long

C. V. ARMSTRONG ET AL.

A-30889 Decided FEB 28 1968 21

Mining Claims: Lands Subject to--Recreation and Public Purposes Act

Lands classified for disposition under and leased pursuant to the Recreation and Public Purposes Act are not subject to mining locations and mining claims located on such lands are properly held null and void ab initio.

Mining Claims: Determination of Validity--Mining Claims: Hearings

No hearing is required to declare mining claims invalid ab initio where at the time of location of the claims the land was not open to such location.

Recreation and Public Purposes Act

No hearing is necessary prior to the classification by the Department of land as suitable for disposal under the Recreation and Public Purposes Act.

Public Records

Where a person desiring to inspect departmental records does not follow the procedure set up in the applicable regulation, he cannot later complain that he has been denied access to them.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20240

A-30889

: Riverside 249, 250, 251

C. V. Armstrong
William Roberts
Harold S. Cook, Jr.

: Lode mining claims held
: void ab initio

: Affirmed

APPEAL FROM THE BUREAU OF LAND MANAGEMENT

C. V. Armstrong, William Roberts and Harold S. Cook, Jr., have each appealed to the Secretary of the Interior from a decision dated August 21, 1967, of the Office of Appeals and Hearings, Bureau of Land Management, which affirmed three decisions of the Riverside land office each of which declared a lode mining claim of one of them null and void ab initio insofar as it includes land not open to mineral location.

The appellants located their respective lode mining claims, the Roberts, Cook, and Armstrong, either on February 20 or 22, 1966, for parts of secs. 22, 23, and 27, T. 10 N., R. 1 E., S.B.M. San Bernardino County, California. The decision appealed from held invalid only so much of each of the claims as fell into what are now lots 46, 51, and 53, sec. 22. Several years earlier classification order Riverside 02287, dated October 24, 1962, had classified, among other lands, what are now lots 46, 51 and 53, sec. 22, for disposal only under the Recreation and Public Purposes Act, 43 U.S.C. § 869 (1964). These lots were later included in recreation lease Riverside 03436, issued to San Bernardino County effective August 1, 1963, and amended June 12, 1964, and are also covered by an application to purchase filed by the county.

The Recreation and Public Purposes Act, supra, provides that lands classified for disposition pursuant to its provisions:

> "may not be appropriated under any other public land law unless the Secretary revises such classification or authorizes the disposition of an interest in the lands under other applicable law." 1/
> and

1/ 43 U.S.C. § 869 (1964).

"Each patent or lease so issued [in accordance with the act] shall contain a reservation to the United States of all mineral deposits in the lands conveyed or leased and of the right to mine and remove the same, under applicable laws and regulations to be established by the Secretary." 2/

The pertinent regulation states:

"Any minerals subject to the leasing laws reserved to the United States in the lands patented or leases under the terms of the act may be disposed of to any qualified person under applicable laws and regulations. Until rules and regulations are issued, other minerals are not subject to disposition or to prospecting except by an authorized Federal agency." 43 CFR 2232.2-5(a).

The statute and the regulation make it plain that lands classified for disposition under the act are not open to mineral location. It is well established that a mineral location made on land not open to acquisition under the mining laws is null and void ab initio. Leo J. Kottas, Earl Lutzenhiser, 73 I.D. 123 (1966); Carl F. Murray and Clinton D. Coker, 67 I.D. 132 (1960).

The appellants refer to the general regulation on classification as indicating a public policy to keep lands open to mineral location unless nonmineral uses would be of greater public importance (43 CFR 2410.1-4(b)(2)). That regulation also recognizes that the segregative effect of each classification will be governed by applicable laws and regulations, 43 CFR 2410.1-4. When the Secretary determined to classify the land for disposition under the Recreation and Public Purposes Act, he decided that, as his regulations provide, it was not in the public interest to have it open to mining location. 3/

The appellants also urge that they have been denied due process by being deprived of an opportunity to prove that they have located valuable minerals whose exploration and development will be in the public interest. If, however, the lands are not open to mineral location, the existence of mineral deposits within them is immaterial and the appellants can have established no rights in the land of which they have been deprived.

2/ 43 U.S.C.A. § 869-1 (Supp. 1967).

3/ The appellants also refer to regulations under the public sale act which require certain posting on the public records. 43 CFR 2243.2-6(c). The relevance of this provision to the appeal is not apparent.

They also assert that the land office acted arbitrarily by issuing a decision without notice to them or providing them with an opportunity for a hearing. Since the facts that control the disposition of the case are not in dispute, i.e., the prior existence of the classification closing the land to mineral location, a hearing would serve no purpose. A hearing is not required to declare a mining claim void ab initio where the records of the department show that at the time of location of the claims the land was not open to such location. David W. Harper et al., 74 I.D. 143 (1967).

Next it is asserted that the classification was made capriciously and arbitrarily, that the land is known for its mineral potential, that much other land is better suited for recreational purposes and that the appellants have not been offered a hearing on these questions. No hearing is required before land can be classified for a particular purpose, especially where the classification is made several years before the attempted mineral locations. Leo J. Kottas et al., supra.

While the appellants say that they have asked the land office for copies of the county leases and proposals without the documents being made available, they have not followed the departmental regulations prescribing the procedure to be followed in asking to inspect documents. 43 CFR Part 2, 32 F.R. 9974 (1967). They therefore cannot now complain that the records have not been made available to them. W. H. Bird et al., 72 I.D. 287 (1965); Clarence S. Miller, 67 I.D. 145 (1960).

Another contention raised by appellants is that if the land were reclassified and opened to mining location, their claims would become valid ab initio. This is a mistaken concept. A mining claim located on land which is withdrawn from location is not validated by the modification or revocation of the order of withdrawal to open the land thereafter to mineral location. David W. Harper et al., supra. 4/

Finally appellants assert that they were informed by land office employees that the land was open to mineral location. Since some of the land in the claims appears to have been open to location, the information was at least partially correct. Insofar as it was erroneous, the Department regrets that appellants may have been misled

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4/ The appellants refer to another claim, the Betty Laue lode, located as theirs were but as to which a similar decision holding it invalid was vacated. The cases are not similar because the land on which the Betty Laue was located was restored to mineral entry in 1964 and the claim was not located until February 22, 1966.

but they cannot gain a right to public land not authorized by law on the ground of incorrect information given them by government personnel. Wayne E. Bright, A-30475 (February 2, 1966); David R. Rasmussen, Robert W. Martin, A-30549 (October 11, 1966).

Accordingly, it is concluded that the mining claims were properly held void ab initio to the extent that they cover lands classified for disposition under and leased pursuant to the Recreation and Public Purposes Act.

Therefore pursuant to the authority delegated to the Solicitor by the Secretary of the Interior (210 DM 2.2A(4)(a); 24 F.R. 1348), the decision appealed from is affirmed.

Ernest F. Hom

Ernest F. Hom
Assistant Solicitor
Land Appeals

EXPLORATION CONTRACT
GEOMINERAL CORPORATION
OME-6650

EXHIBIT A

The purpose of this project is to explore by rotary drilling, from prepared surface drill sites, for silver-bearing ore bodies in or near faults and a fault intersection and in sedimentary and volcanic rocks of the Barstow formation of Tertiary age.

General Provisions

The Government will contribute only to the costs of work performed in the areas within the boundaries outlined in red on Figure 1 attached and made a part hereof.

Drill holes shall be drilled not less than 100 feet from the outer boundaries of the area outlined in red on Figure 1.

All drill holes shall be cased as necessary to insure proper and accurate sampling. The Government will not contribute to the cost of casing left in a hole at the Operator's request.

Facilities shall be provided for recovering the drill cuttings, and such cuttings shall be retained when drilling in significantly mineralized ground. The cuttings shall be stored in suitable containers properly marked as to hole number and depth represented.

Significantly mineralized cuttings from the drill holes shall be sampled, but no such sample shall represent more than 5 linear feet of hole. Each sample shall be split and one split assayed for gold and silver. All remaining splits shall be stored in suitable containers properly marked as to drill hole and depth represented. Stored splits of samples may be disposed of with prior Government approval.

True copies of assay certificates, copies of drill logs, and maps or sketches showing the work completed during the reporting period, the location, width, and assay value of all samples assayed and the geological formations and structures traversed by the drill holes shall be furnished monthly to the Government.

The Operator shall provide such supervision, labor, and technical services as may be required to complete the work in a satisfactory manner.

The location, direction, and extent of each work item shall be subject to Government approval.

The work shall be divided into two stages. The Operator shall complete all of Stage I and as much of Stage II as is authorized in advance by the Government and confirmed in writing. Approval of Stage II shall depend upon the results obtained in Stage I.

Description of the Work

Stage I

The work shall consist of bulldozing access roads to the drill sites, leveling the sites, and rotary drilling not more than 3 drill holes totalling not more than 1,000 feet. The approximate location of the drill holes are shown on Figure 1.

The hole number and approximate bearings, inclinations, and lengths of the 3 rotary drill holes are as follows:

Hole No.	Bearing	Inclination	Length in feet
1	Due South	-55°	300
2	N. 70° E.	-60°	350
3	N. 70° E.	-60°	350

Stage II

The work shall consist of bulldozing access roads to drill sites, leveling the sites, and rotary drilling not more than 3 holes totalling not more than 1,000 feet. The locations, bearings, inclinations, and depth of the holes, shall be contingent upon the results obtained in Stage I, and must be approved in advance by the Government.

Estimated Cost of Project

Stage I

Actual Costs

Category (1) Independent Contracts

Bulldozing access roads and drill sites,
8 hours @ $20.00/hr $ 160.00

Mobilization and demobilization, drilling rig and truck	$ 600.00	
Rotary drilling (minimum hole size 3-1/2"), 1,000 feet @ $7.00/foot	7,000.00	
Lost casing in completed holes, 45 feet @ $5.80/foot	261.00	
Reaming and setting casing, 90 feet @ $3.00/foot	270.00	
Casing shoes, 3 @ $22.00/each	66.00	$ 8,357.00

Category (2) Personal Services

None except:

Subcategory (a) Supervision and Technical Services

1 Supervisor, 1 month @ $750.00/month	$ 750.00	
1 Outside consultant, 4 days @ $75.00/day	300.00	$ 1,050.00

Category (7) Miscellaneous

None except:

Per diem, outside consultant, 4 days @ $16.00/day	64.00	
Transportation for consultant, 700 miles @ $0.10/mile	70.00	
Office and accounting expenses, 1 month @ $50.00/month	50.00	
Payroll Taxes, F.I.C.A. and insurance	109.00	
Assaying for gold and silver, 200 samples @ $3.00/sample	600.00	$ 893.00
Total Estimated Costs, Stage I		$10,300.00

Stage II

Actual Costs

Category (1) Independent Contracts

Bulldozing access roads and drill sites, 8 hours @ $20.00/hr	$ 160.00	
Rotary drilling (minimum hole size 3-1/2"), 1,000 feet @ $7.00/foot	7,000.00	
Lost casing in completed holes, 45 feet @ $5.80/foot	261.00	
Reaming and setting casing, 90 feet @ $3.00/foot	270.00	
Casing shoes, 3 @ $22.00/each	66.00	$7,757.00

Category (2) Personal Services

None except:

Subcategory (a) Supervision and Technical Services

1 Supervisor 1 month @ $750.00/month	750.00	
1 Outside consultant, 4 days @ $75.00/day	300.00	$1,050.00

Category (7) Miscellaneous

None except:

Per diem, Outside consultant, 4 days @ $16.00/day	64.00
Transportation for consultant, 700 miles @ $0.10/mile	70.00
Office and accounting expenses, 1 month @ $50.00/month	50.00

Payroll Taxes, F. I. C. A., Insurance, etc.	$ 109.00	
Assaying for gold and silver, 200 samples @ $3.00/sample	600.00	$ 893.00
Total Estimated Costs, Stage II		$9,700.00

SUMMARY

Total Estimated Costs Stage I	$10,300.00
Total Estimated Costs Stage II	9,700.00
Total Estimated Costs of the Project	20,000.00
Government Participation @ 75%	15,000.00

EXHIBIT B

NONDISCRIMINATION IN EMPLOYMENT

(Section 202, Executive Order 11246, September 24, 1965)

"During the performance of this contract, the contractor agrees as follows:

'(1) The contractor will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

'(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.

'(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

'(4) The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

'(5) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

'(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

'(7) The contractor will include the provisions of Paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, That in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.'"

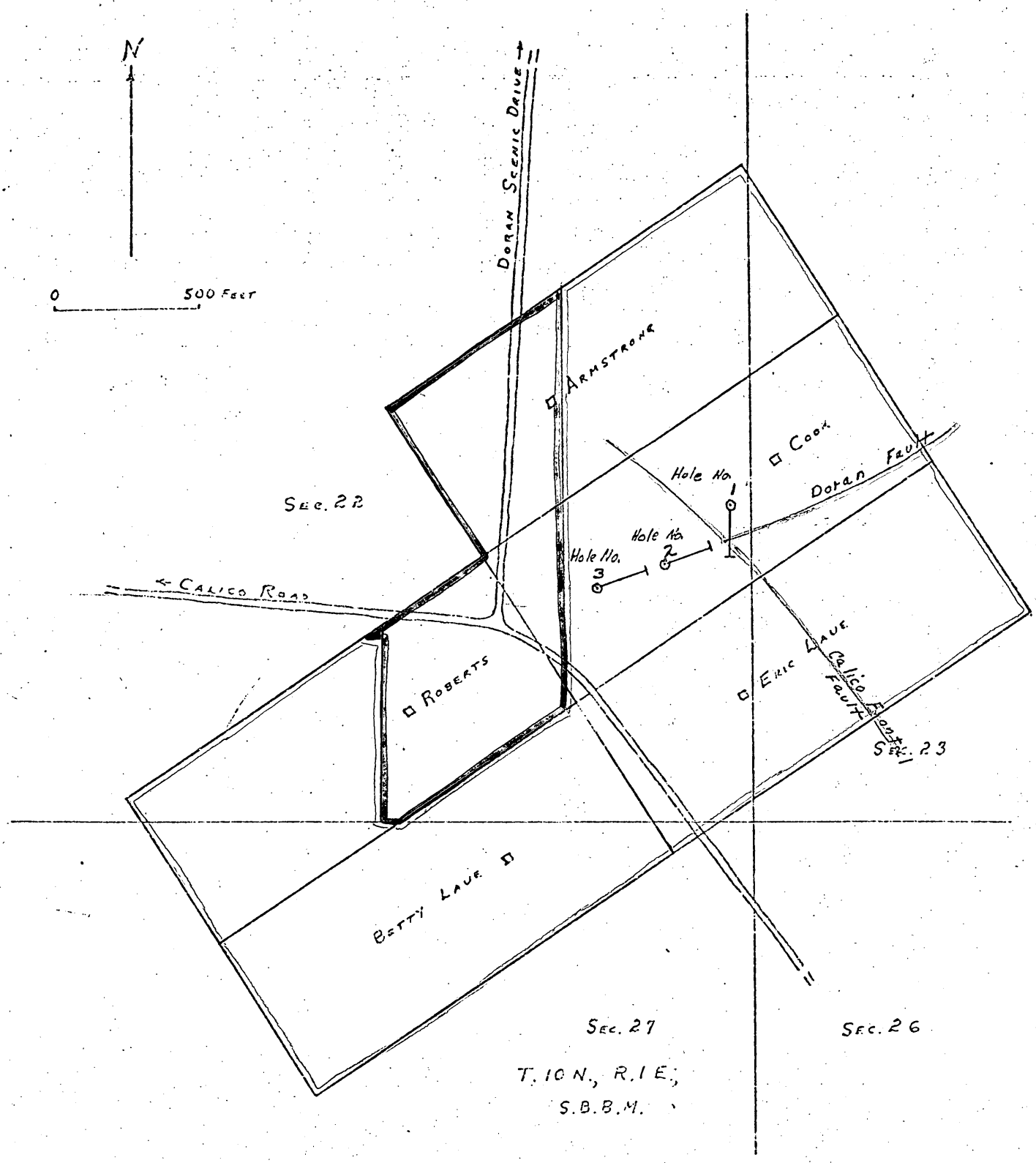

Figure 1. Map showing property and proposed exploration, Stage I, Carl Claims, San Bernardino County, California

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 30 1967
INITIALS | CODE

Memorandum

August 28, 1967

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

From: Field Officer
Region II

Subject: New Application (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, Calif.

Enclosed is a new application for OME assistance in a silver exploration project near Calico, San Bernardino County, Calif., submitted to the Field Office on this date by Mr. Harold S. Cook, Jr., president of the corporation.

Although Calico is one of California's best known silver districts we have not received many requests for exploration assistance from operators in the area. This application is based principally on geochemical prospecting results, and although the applicant's ideas of the geology may be rather questionable, a worthwhile exploration target may exist on the claims.

H. K. Stager

H. K. Stager

Enclosure

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Memorandum January 15, 1968

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

From: Field Officer
Region II

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, Calif.

OFFICIAL COPY
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JAN 18 1968
INITIALS | CODE
H 30
BSP 20
RE 110
ED 120 P

Enclosed is a letter from the applicant containing an exact copy and a photostatic copy of the claim assignment agreement between the several owners of the Carl Claims and the applicant (Geomineral Corporation).

H. K. Stager

Enclosures

HAROLD S. COOK, JR.

417 SOUTH HILL STREET
LOS ANGELES 13, CALIFORNIA

MADISON 9-2009

January 11, 1968

Mr. H. K. Stager
Field Officer
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, Calif. 94025

OME-6650
Carl Claims
San Bernardino County, Calid.

Dear Mr. Stager:

Enclosed please note a photostatic copy of our assignment agreement, along with a copy of it which unfortunately did not turn out very well. Also enclosed is an exact copy of the assignment agreement.

The original will ultimately be returned from the San Bernardino County Recorder's office, and I will then have two good copies made for your files, should you desire them.

Please let me know about the above at your earliest convenience.

With kindest personal regards.

Sincerely yours,

Harold S. Cook, Jr.

Harold S. Cook, Jr.

HSC/t
enc

RECEIVED
JAN 15 1968
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

ASSIGNMENT AGREEMENT

WHEREAS, HAROLD S. COOK, JR., hereinafter referred to as COOK; WILLIAM F. ROBERTS, hereinafter referred to as ROBERTS; ERIC G. LAUE, hereinafter referred to as ERIC LAUE; ELIZABETH C. LAUE, hereinafter referred to as BETTY LAUE; CHARLES V. ARMSTRONG, hereinafter referred to as ARMSTRONG; L. TREVOR GRIMM, hereinafter referred to as GRIMM; EMILY ROBERTS, hereinafter referred to as EMILY; and LUCILLE COOK, hereinafter referred to as LUCILLE; have located and maintained several contiguous mining claims in the Calico Mining District of San Bernardino County, California, as follows:

1. COOK located and claims the COOK Lode Mining Claim as recorded in amended claim notice 29 April 1966, Book 457, pages 505-507, microfilm 672, of mining records, San Bernardino County;

2. ROBERTS located and claims the ROBERTS Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 511-513, microfilm 674, of mining records, San Bernardino County;

3. ERIC LAUE located and claims the ERIC LAUE Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 514-516, microfilm 675, of mining records, San Bernardino County;

4. BETTY LAUE located and claims the BETTY LAUE Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 517-519, microfilm 676, of mining records, San Bernardino County;

5. ARMSTRONG located and claims the ARMSTRONG Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 508-510, microfilm 673, of mining records, San Bernardino County;

6. COOK, ERIC LAUE, ARMSTRONG, ROBERTS, GRIMM, BETTY LAUE, EMILY and LUCILLE located and claim the HARRIETT Placer Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, page 520, microfilm 677, of mining records, San Bernardino County.

WHEREAS, COOK, ROBERTS, ERIC LAUE, BETTY LAUE, ARMSTRONG, GRIMM, EMILY AND LUCILLE, hereinafter collectively referred to as CLAIM OWNERS, are of the opinion that their respective claims cannot be explored, developed, mined and/or marketed profitably as individual and separate claims; and

WHEREAS, GEOMINERAL CORPORATION, hereinafter referred to as GEOMINERAL, is a California corporation engaged in the business of mining and mineral exploration and development, and;

WHEREAS, CLAIMOWNERS were active in the organization and incorporation of GEOMINERAL and CLAIMOWNERS expect to become shareholders in GEOMINERAL;

NOW, THEREFORE, IT IS AGREED BY AND BETWEEN CLAIM OWNERS and GEOMINERAL

on this 9th day of December, 1967, as follows:

WITNESSETH:

FIRST: In reliance upon the promises of each other and for other valuable consideration, CLAIM OWNERS, and each of them, hereby assign to GEOMINERAL the sole and exclusive rights to explore, discover, develop, and/or mine their respective mining claims as hereinbefore described and set forth; and further assign to GEOMINERAL, the sole and exclusive right to sell, lease, or otherwise dispose and market any and all minerals that may be found on said claims, and to retain any amounts paid for any such minerals so disposed of. It is understood that CLAIM OWNERS are to participate in such income from minerals found on said claims only in their capacity as shareholders of GEOMINERAL;

SECOND: GEOMINERAL agrees to reimburse CLAIM OWNERS, and each of them, the respective amounts that each has incurred and actually paid on behalf of their respective claims for property taxes and for actual cash outlays paid for the survey and direct development previously completed on each of said claims. GEOMINERAL further agrees to pay all of the legal expenses incurred by CLAIM OWNERS as a result of litigation required to perfect the claims, including, but not limited to those appeals already handled before the Bureau of Land Management and now pending before the Secretary of the Interior. GEOMINERAL further agrees to pay all property taxes hereafter assessed against said mining claims and to pay all future costs of assessment work and other expenses in connection with the development of these said claims, and to save CLAIM OWNERS free and harmless from any suits filed against them as owners of such claims, for so long as this agreement remains in force and effect;

THIRD: GEOMINERAL agrees to employ all reasonable efforts to explore, discover and market minerals on said claims in the best interests of its shareholders, but, in the event that after such reasonable efforts, no minerals are discovered in marketable quantity, GEOMINERAL has the right to terminate this assignment upon giving CLAIM OWNERS, and each of them, their heirs or assigns, sixty (60) days written notice of such termination;

FOURTH: This Assignment Agreement is to run for a period of fifty (50) years from the date hereinbefore set forth, unless previously terminated under the provisions set forth in paragraph THIRD herein. If at the expiration of said fifty (50) years, active mineral development, mining or marketing operations are under way, the parties hereto agree that GEOMINERAL is given an option to renew this agreement for another fifty (50) year period under the same terms as set forth herein.

WITNESS our hands this 9th day of December, 1967.

HAROLD S. COOK, JR.	WILLIAM V. ROBERTS	GEOMINERAL CORPORATION By
ERIC LANE	ELIZABETH C. LANE	Harold S. Cook, Jr. President
CHARLES V. ARMSTRONG	VIRGINIA CHIEF	Hubert D. Opp Secretary
EMILY ROBERTS	LUCILLE COOK	

STATE OF CALIFORNIA)
) SS.
COUNTY OF LOS ANGELES)

On January 4, 1968 before me, the undersigned, a Notary Public in and for said County and State, personally appeared Harold S. Cook, Jr., William F. Roberts, Eric Laue, Elizabeth C. Laue, Charles V. Armstrong, L. Trevor Grimm, and Emily Roberts, known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same.

WITNESS my hand and official seal.

Lucille F. Thompson

OFFICIAL SEAL
LUCILLE F. THOMPSON
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires September 25, 1970

STATE OF CALIFORNIA)
) SS.
COUNTY OF LOS ANGELES)

On ~~January 4, 1968~~ Oct 26, 1967 before me, the undersigned, a Notary Public in and for said County and State, personally appeared Lucille Cook, known to me to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same.

Witness my hand and official seal.

Prudence Thrift Keene

PRUDENCE THRIFT KEENE
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires Oct. 23, 1967.

ASSIGNMENT AGREEMENT

WHEREAS, LUCILLE F. COOK, hereinafter referred to as Cook, is the Executrix of the Estate of Harold S. Cook, Jr., and the sole heir to the Estate of Harold S. Cook, Jr.; has located and maintained several contiguous mining claims in the Calico Mining District of San Bernardino County, California as follows:

1. Cook located and claims the COOK Lode mining Claims as recorded in amended claim notice 29 April 1966, Book 457, pages 505-507, microfilm 672, of mining records, San Bernardino County;

2. Cook, Eric Laue, Armstrong, Roberts, Grimm, Betty Laue, and Emily located and claim the Harriett Placer Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, page 520, microfilm 677, of mining records, San Bernardino County.

Whereas, Cook hereinafter referred to as Claim Owner, is of the opinion that her respective claims cannot be explored, developed, mined and/or marketed profitably as individual and separate claims; and

WHEREAS, GEOMINERAL CORPORATION, hereinafter referred to as GEOMINERAL, is a California corporation engaged in the business of mining and mineral exploration and development, and;

WHEREAS, Claim Owner was active in the organization and incorporation of GEOMINERAL and Claim Owner expects to become a shareholder in GEOMINERAL;

NOW, THEREFORE, it is agreed by and between claim owner and GEOMINERAL on this 5th day of August, 1968, as follows:

WITNESSETH:

FIRST: In reliance upon the promises of each other and for other valuable consideration, Claim Owner, hereby assigns to GEOMINERAL the sole and exclusive rights to explore, discover, develop, and/or mine his respective mining claims as hereinbefore described and set forth; and further assign to GEOMINERAL, the sole and exclusive right to sell, lease, or otherwise dispose and market any and all minerals that may be found on said claims, and to retain any amounts paid for any such minerals so disposed of. It is understood that Claim Owner is to participate in such income from minerals found on said claims only in his capacity as shareholder of Geomineral;

SECOND: GEOMINERAL agrees to reimburse Claim Owner, and the respective amounts that each has incurred and actually paid on behalf of his respective claims for property taxes and for actual cash outlays paid for the survey and direct development previously completed on

each of said claims. GEOMINERAL further agrees to pay all of the legal expenses incurred by Claim Owner as a result of litigation required to perfect the claims, including, but not limited to those appeals already handled before the Bureau of Land Management and now pending before the Secretary of the Interior. GEOMINERAL further agrees to pay all property taxes hereafter assessed against said mining claims and to pay all future costs of assessment work and other expenses in connection with the development of these said claims, and to save Claim Owner free and harmless from any suits filed against them as owner of such claims, for so long as this agreement remains in force and effect;

THIRD: GEOMINERAL agrees to employ all reasonable efforts to explore, discover and market minerals on said claims in the best interests of its shareholder, but, in the event that after such reasonable efforts, no minerals are discovered in marketable quantity, GEOMINERAL has the right to terminate this assignment upon giving Claim Owner, and their heirs or assigns, sixty (60) days written notice of such termination;

FOURTH; This Assignment Agreement is to run for a period of fifty (50) years from the date hereinabove set forth, unless previously terminated under the provisions set forth in paragraph THIRD herein. If at the expiration of said fifty (50) years, active mineral development, mining or marketing operations are under way, the parties hereto agree that GEOMINERAL is given an option to renew this agreement for another fifty (50) year period under the same terms as set forth herein.

WITNESS our hands this 5th day of August, 1968.

Lucille F. Cook

Lucille F. Cook

GEOMINERAL CORPORATION

By Lucille F. Cook
Lucille F. Cook
Treasurer

STATE OF CALIFORNIA)
County of Los Angeles) SS

On the 5th day of August, 1968, before me, the undersigned, a Notary Public in and for said County and State, personally appeared LUCILLE F. COOK, known to me to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same.

WITNESS my hand and official seal.

OFFICIAL SEAL
ARDELLICE H. BARRY
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires March 26, 1972

Ardellice H. Barry
Notary Public in and for said
County & State

ASSIGNMENT AGREEMENT

WHEREAS, HAROLD S. COOK, JR., hereinafter referred to as COOK; WILLIAM F. ROBERTS, hereinafter referred to as ROBERTS; ERIC G. LAUE, hereinafter referred to as ERIC LAUE; ELIZABETH C. LAUE, hereinafter referred to as BETTY LAUE; CHARLES V. ARMSTRONG, hereinafter referred to as ARMSTRONG; L. TREVOR GRIMM, hereinafter referred to as GRIMM; EMILY ROBERTS, hereinafter referred to as EMILY; and LUCILLE COOK, hereinafter referred to as LUCILLE; have located and maintained several contiguous mining claims in the Calico Mining District of San Bernardino County, California, as follows:

1. COOK located and claims the COOK Lode Mining Claim as recorded in amended claim notice 29 April 1966, Book 457, pages 505-507, microfilm 672, of mining records, San Bernardino County;

2. ROBERTS located and claims the ROBERTS Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 511-513, microfilm 674, of mining records, San Bernardino County;

3. ERIC LAUE located and claims the ERIC LAUE Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 514-516, microfilm 675, of mining records, San Bernardino County;

4. BETTY LAUE located and claims the BETTY LAUE Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 517-519, microfilm 676, of mining records, San Bernardino County;

5. ARMSTRONG located and claims the ARMSTRONG Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 508-510, microfilm 673, of mining records, San Bernardino County;

6. COOK, ERIC LAUE, ARMSTRONG, ROBERTS, GRIMM, BETTY LAUE, EMILY and LUCILLE located and claim the HARRIETT Placer Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, page 520, microfilm 677, of mining records, San Bernardino County.

WHEREAS, COOK, ROBERTS, ERIC LAUE, BETTY LAUE, ARMSTRONG, GRIMM, EMILY AND LUCILLE, hereinafter collectively referred to as CLAIM OWNERS, are of the opinion that their respective claims cannot be explored, developed, mined and/or marketed profitably as individual and separate claims; and

WHEREAS, GEOMINERAL CORPORATION, hereinafter referred to as GEOMINERAL, is a California corporation engaged in the business of mining and mineral exploration and development, and;

WHEREAS, CLAIMOWNERS were active in the organization and incorporation of GEOMINERAL and CLAIMOWNERS expect to become shareholders in GEOMINERAL;

EXHIBIT A-1

NOW, THEREFORE, IT IS AGREED BY AND BETWEEN CLAIM OWNERS and GEOMINERAL On this 9th day of December, 1967, as follows:

WITNESSETH:

FIRST: In reliance upon the promises of each other and for other valuable consideration, CLAIM OWNERS, and each of them, hereby assign to GEOMINERAL the sole and exclusive rights to explore, discover, develop, and/or mine their respective mining claims as hereinbefore described and set forth; and further assign to GEOMINERAL, the sole and exclusive right to sell, lease, or otherwise dispose and market any and all minerals that may be found on said claims, and to retain any amounts paid for any such minerals so disposed of. It is understood that CLAIM OWNERS are to participate in such income from minerals found on said claims only in their capacity as shareholders of GEOMINERAL;

SECOND: GEOMINERAL agrees to reimburse CLAIM OWNERS, and each of them, the respective amounts that each has incurred and actually paid on behalf of their respective claims for property taxes and for actual cash outlays paid for the survey and direct development previously completed on each of said claims. GEOMINERAL further agrees to pay all of the legal expenses incurred by CLAIM OWNERS as a result of litigation required to perfect the claims, including, but not limited to those appeals already handled before the Bureau of Land Management and now pending before the Secretary of the Interior. GEOMINERAL further agrees to pay all property taxes hereafter assessed against said mining claims and to pay all future costs of assessment work and other expenses in connection with the development of these said claims, and to save CLAIM OWNERS free and harmless from any suits filed against them as owners of such claims, for so long as this agreement remains in force and effect;

THIRD: GEOMINERAL agrees to employ all reasonable efforts to explore, discover and market minerals on said claims in the best interests of its shareholders, but, in the event that after such reasonable efforts, no minerals are discovered in marketable quantity, GEOMINERAL has the right to terminate this assignment upon giving CLAIM OWNERS, and each of them, their heirs or assigns, sixty (60) days written notice of such termination;

FOURTH: This Assignment Agreement is to run for a period of fifty (50) years from the date hereinbefore set forth, unleass previously terminated under the provisions set forth in paragraph THIRD herein. If at the expiration of said fifty (50) years, active mineral development, mining or marketing operations are under way, the parties hereto agree that GEOMINERAL is given an option to renew this agreement for another fifty (50) year period under the same terms as set forth herein.

WITNESS our hands this 9th day of December, 1967.

SEAL

HAROLD S. COOK, JR.	WILLIAM F. ROBERTS	GEOMINERAL CORPORATION By
ERIC LAUE	ELIZABETH C. LAUE	Harold S. Cook, Jr. President
CHARLES V. ARMSTRONG	E. TREVOR GRIMM	Robert D. Upp Secretary
EMILY ROBERTS	LUCILLE COOK	

627

STATE OF CALIFORNIA)
) SS.
COUNTY OF LOS ANGELES)

627

On January 4, 1968 before me, the undersigned, a Notary Public in and for said County and State, personally appeared Harold S. Cook, Jr., William F. Roberts, Eric Laue, Elizabeth C. Laue, Charles V. Armstrong, L. Trevor Grimm, and Emily Roberts, known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same.

WITNESS my hand and official seal.

Lucille F. Thompson

OFFICIAL SEAL
LUCILLE F. THOMPSON
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires September 25, 1970

STATE OF CALIFORNIA)
) SS.
COUNTY OF LOS ANGELES)

On ~~January 4~~ October 26, ~~1968~~ 1967 before me, the undersigned, a Notary Public in and for said County and State, personally appeared Lucille Cook, known to me to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same.

Witness my hand and official seal.

Prudence Hirsch Keene

627

RECORDED AT REQUEST
Harold S. Cook
BOOK 6955 PAGE 221
'68 JAN -8 PM 3:57
OFFICIAL RECORDS
SAN BERNARDINO CO. CALIF.
COUNTY RECORDER

[illegible]
[illegible]
[illegible]
[illegible]
My Commission Expires Oct. 26, 1967.

3.60/R

MMB Form 40
Jan. 65

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 30 1967
INITIALS/CODE

Budget Bureau No. 42-R1508
Approval expires Dec. 31, 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85-701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

Geomineral Corporation
525 Subway Terminal Building
417 South Hill Street
Los Angeles, California 90013

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6650

DATE RECEIVED 8-30-67

REGION II

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL	
CORPORATION	X
PARTNERSHIP	
OTHER *(Specify)*	

STATE IN WHICH FIRM IS ORGANIZED California

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Harold S. Cook, Jr.,	525 Subway Terminal Bldg. 417 So. Hill St. Los Angeles, Calif. 90013	President
Charles V. Armstrong,	2316 Las Lunas Ave. Pasadena, Calif.	Vice-Pres.
William F. Roberts,	11169 So. Chadsey Dr. Whittier, Calif. 90604	Secy & Treas.

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE
Silver

ESTIMATED COST OF PROJECT
H.S.C.J. $ 32,290.00

PROPERTY NAME	LOCATION COUNTY	STATE
Carl Claims	San Bernardino,	California

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior,* ~~Washington, D.C., or the nearest OME Field Office.~~ Washington, D. C., 20242, or with the nearest OME Field Office.

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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

August 28, 1967
DATED

Harold S. Cook Jr.
BY *(Signature)*

President
TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

-DUP. SEC., WASH., D.C

PROPOSAL

Geo Minerals Company proposes to drill four core holes on their claims as shown on Plate XX, if the results from these four core holes are satisfactory as to tenor and amount of mineralization present; then after a careful review of these results, we would propose to drill a number of additional core holes on proper centers to definitely delineate the mineralization of the claims.

We therefore plan to ask the Office of Mineral Exploration of the U.S. Geological Survey for support in such a project, which will be a two step project as outlined above.

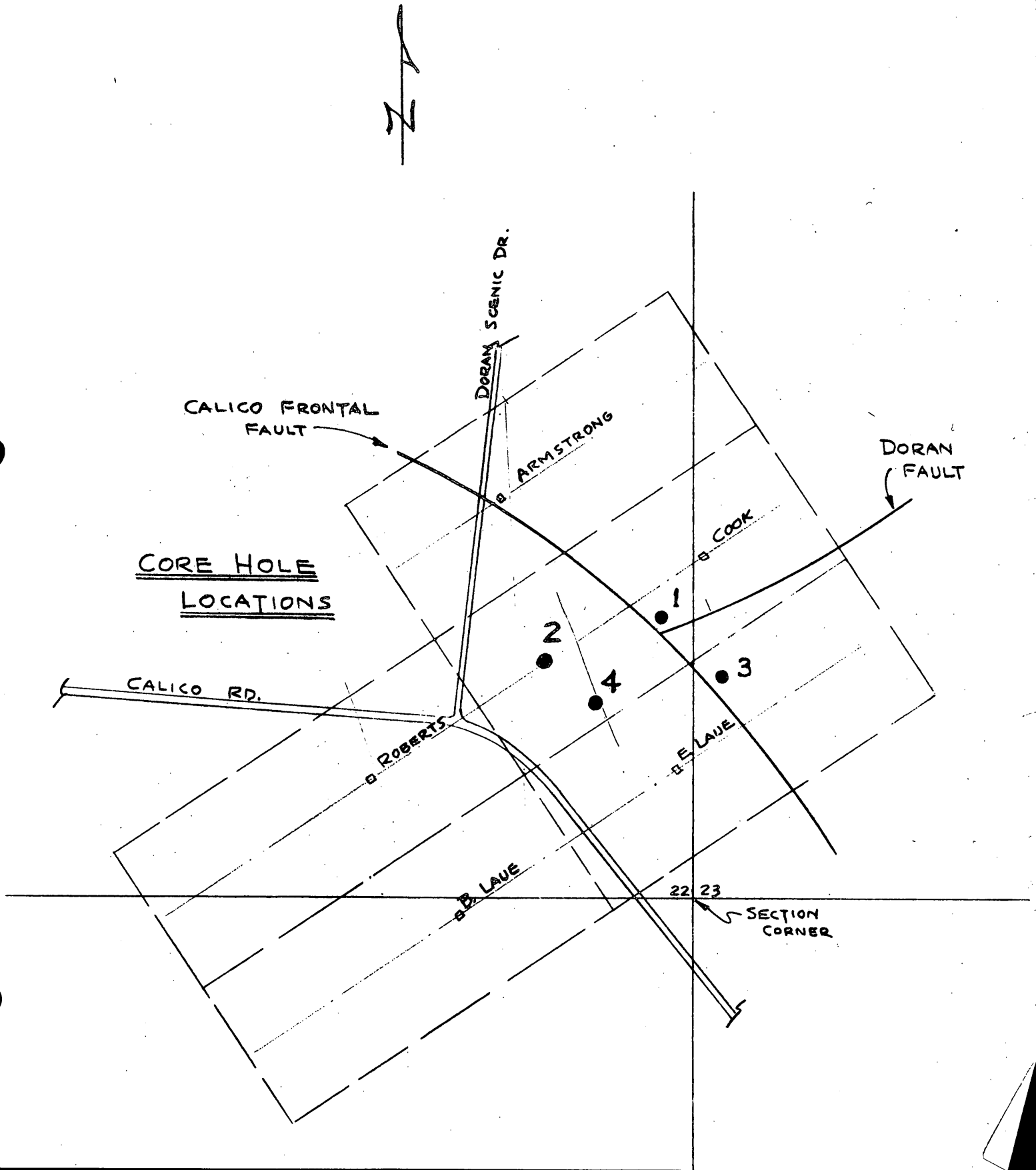
It should be pointed out here that while we believe the predominant mineralization in the area will be a silver-gold situation, there is no positive proof of this, as the technical tools used are not definitive as to the minerals present, but rather indicate only there is a mineralization anomaly of some metallic ore.

We believe the first four core holes should be drilled to a minimum depth of at least 500 feet.

PLATE XX

PROPOSED CORE HOLE LOCATIONS ON
GEO MINERALS CO'S CLAIMS ~ YERMO QUAD T.10N., R.1E.
HAROLD S. COOK JR. & ASSOCIATES

SCALE 1" = 500' APPRX.



August 28, 1967

Mr. H. K. Stager
Field Officer
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California 94025

Dear Mr. Stager:

Enclosed please note an estimated expense sheet for the Geomineral Corporation's expenses at Calico, California.

The items checked in red are guesses only and may or may not be needed; however as there is no way of knowing what we may run into we have included this sum of $12,388.00 as an approximation of the cost of the four core holes. This figure is the sum of the casing, extras and all contingencies.

If possible we would greatly prefer to operate under an actual cost contract, rather than a unit cost contract.

Should the four core holes prove to be successful, we will of course wish to apply Step 2 as per our verbal conversations, looking towards drilling additional core holes on the property, so that we may delineate more clearly the size and tenor of the mineralization hopefully present.

I am also enclosing herewith a list of all of the parties to the corporation together with their contribution to the original capitalization of $15,000.00; all of the above mentioned have indicated that if we are successful with the first four core holes they are prepared to participate with Step 2. Their credit may be checked either in Dun and Bradstreet or Credit Association of Retail Merchants in Los Angeles. As for myself, you can check with Security First National Bank, 6th and Spring Streets, Los Angeles, Attention: Mr. Byron Linville, Vice President.

Application to form the Geomineral Corporation will be made to the California Commissioner of Corporations by September 1, 1967. Our attorney, Mr. Robert D. Upp, advises us that we should have our permit within six weeks, as this matter has already been discussed with the Commissioner's office when we contemplated forming a limited partnership.

need assignments from Prop owners to Corp.

Sincerely yours,

Harold S. Cook, Jr.

HSC/t
enc

GEO MINERALS COMPANY
Estimated Expenses at Calico

Drilling 2000' (4 - 500') @ $7.00/ft.		=	$14,000.00
Casing 700' (estimated)			
Casing 57.95 x 70	=	$4,056.00	
6 Shoes 22.00 x 6	=	132.00	
Reaming 2.00 x 700	=	1,400.00	
Setting 1.00 x 700	=	700.00	6,288.00
In and Out 300 x 2		=	600.00
Extras and contingencies			2,500.00
			23,388.00
Road Building 160x2			320.00
Per diem expenses of supervision 40 days @$16/day			640.00
Mileage - 1600 miles @ 12¢/mile			192.00
Consultant fees			1,200.00
Assays			
400 gold/silver @5	=	$2,000.00	
20 spectographs @15	=	300.00	
10 mercury @5	=	50.00	2,350.00
Telephone			200.00
Secretarial and office expense			500.00
Accounting services			500.00
General contingencies			3,000.00
TOTAL ESTIMATED EXPENSES			$32,290.00

INVESTORS IN GEOMINERAL CORPORATION

Harold S. Cook, Jr., 1021 So. Orange Grove Ave., Pasadena, California
Oil Broker and Geochemist

William F. Roberts, 11169 So. Chadsey Dr., Whittier, California
Stock Broker, Goodbody and Co.

Charles V. Armstrong, 2316 Las Lunas, Pasadena, California
Asst. to Vice Pres., Operations, Pomona Plant, General Dynamics Corp.

Eric G. Laue, 1260 Encino Drive, San Marino, California
Research Scientist, Jet Propulsion Laboratories, N.A.S.A.

Robert D. Upp, 9220 Sunset Blvd., Los Angeles, California
Attorney at Law and Professor of Law, Los Angeles City College

L. Trevor Grimm, 836 Westchester Place, Los Angeles, California
Attorney at Law and Businessman

James C. Chambers, 2045 No. Sinaloa Avenue, Altadena, California
Plant Engineer, Lockheed Propulsion Systems

Thomas A. DeVore, 120 W. Lemon Avenue, Arcadia, California
Plant Superintendent, Handy and Harman

Francis S. McComb, 1289 So. Oak Knoll, Pasadena, California
Exec. Vice Pres., Wagenseller & Durst, Investment Brokers

A. K. Eitner, 514 Hauser Boulevard, Los Angeles, California
Investment Broker, Goodbody and Co.

Lee C. McFarland, 5842 So. Painter Avenue, Whittier, California
Geologist, Occidental Petroleum Corporation

Lucille Cook?
Bobby [illegible]

August 8, 1967

Mr. Byron E. Linville, Vice President
Security First National Bank
Main Office
Sixth and Spring
Los Angeles, California 90013

Dear Mr. Linville:

My associates and I are forming a California corporation, to be known as the Geo Minerals Corporation, with an original capitalization of Fifteen Thousand Dollars ($15,000.00), and with an ultimate possible capitalization considerably larger. The use of these monies will be upon certain lode claims and a placer claim that the Geo Minerals Corporation hold near Calico, California.

A copy of our Geological, Geochemical and land holdings report is herewith submitted.

The Geo Minerals Corporation is desirous of borrowing from the bank the sum of Twenty-four Thousand Dollars ($24,000.00) to be expended on four (4) core holes on the property, which are the original holes to attempt to prove mineralization.

We would appreciate an answer from the bank as to this loan at your earliest convenience. Please return the Report as soon as you and your staff have finished with it.

Thank you for your consideration.

Sincerely yours,

Harold S. Cook, Jr.

HSC/t
enc

I certify this is a true and correct copy.

Harold S. Cook Jr.
Harold S. Cook, Jr.

Dated: August 18, 1967

SECURITY FIRST NATIONAL BANK

BYRON E. LINVILLE
VICE PRESIDENT

August 10, 1967

Mr. Harold S. Cook, Jr.
Geo Minerals Corporation
417 South Hill Street
Los Angeles, California 90013

Dear Harold:

Thank you for giving us an opportunity to consider a loan to Geo Minerals Corporation.

Inasmuch as the corporation will be capitalized at only $15,000 and the proposed $24,000 loan will be used to drill core holes on certain lode claims and a placer claim, it is rather obvious that we would have to consider the loan as being for a highly speculative purpose. Hence, we regret to inform you that we must decline the application.

If and when Geo Minerals Corporation develops a profitable operation, we shall then be happy to consider a new application for loans.

Sincerely,

Byron E. Linville

BEL/jh

I certify this is a true and correct copy.

Harold S. Cook Jr.

Harold S. Cook, Jr.

Dated: August 18, 1967

August 10, 1967

Mr. Donald J. Sowers
Vice President
Bank of America
650 South Spring Street
Los Angeles, California

Dear Mr. Sowers:

My associates and I are forming a California corporation, to be known as the Geo Minerals Corporation, with an original capitalization of Fifteen Thousand Dollars ($15,000.00), and with an ultimate possible capitalization considerably larger. The use of these monies will be upon certain lode claims and a placer claim that the Geo Minerals Corporation hold near Calico, California.

A copy of our Geological, Geochemical and land holdings report is herewith submitted.

The Geo Minerals Corporation is desirous of borrowing from the bank the sum of Twenty-four Thousand Dollars ($24,000.00) to be expended on four (4) core holes on the property, which are the original holes to attempt to prove mineralization.

We would appreciate an answer from the bank as to this loan at your earliest convenience. Please return the Report as soon as you and your staff have finished with it.

Thank you for your consideration.

Sincerely yours,

Harold S. Cook, Jr.

HSC/t
enc

I certify this is a true and correct copy.

Harold S. Cook, Jr.

Harold S. Cook, Jr.

Dated: August 18, 1967

Bank of America
NATIONAL TRUST AND SAVINGS ASSOCIATION
LOS ANGELES

D. J. SOWERS
VICE PRESIDENT

August 15, 1967

Mr. Harold S. Cook, Jr.
417 South Hill Street
Los Angeles, California

Dear Mr. Cook:

SUBJECT: Geo. Minerals Corporation

This will acknowledge receipt of your letter of August 10 in which you requested that our bank make available to subject company a loan in the amount of $24,000.

It does not appear that we can be of assistance to you at this time in view of the fact that the company is being capitalized with only $15,000 and the proceeds of the loan requested would be used for the drilling of four core holes in which you would hope to validate the mineral content of the claim area. At this point and time it is our opinion that the company is still in the speculative stages and, therefore, do not feel that a request for such a loan can be considered as bankable.

We do appreciate your thoughtfulness in considering our bank and should your organization move along well enough to eliminate the speculative nature, we perhaps would be interested in discussing appropriate financing with you at that time.

Sincerely,

D. J. Sowers
Vice President

DJS:cs

I certify this is a true and correct copy.

Harold S. Cook, Jr.

Harold S. Cook, Jr.

Dated: August 18, 1967

I certify this is a true and correct copy. DATED: August 18, 1967

Harold S. Cook, Jr.

CONTINENTAL DRILLING COMPANY

DIAMOND DRILLING CONTRACTORS
2810 NORTH FIGUEROA
LOS ANGELES, CALIFORNIA 90065
TELEPHONE CAPITAL 2-7146

EXPLORATION DRILLING
GROUT HOLE DRILLING
CEMENT GROUTING
CHEMICAL GROUTING

July 28, 1967

BRANCH OFFICE:
419 SO. 96TH STREET
SEATTLE 8, WASHINGTON
ROCKWELL 2-1911

Ref: LAX LA-10

Mr. Harold Cook, Jr.
525 Subway Terminal Bldg.
417 S. Hill Street
Los Angeles, California

Dear Mr. Cook:

After examining the drilling sites of your proposed drilling program at Calico, California, we are submitting the following bid:

Item No.	Description	Unit Price NX	Unit Price BX	Unit
	Core Drilling			
1.	0 to 250 Feet	18.50	17.50	Lin. Ft.
2.	250 to 500 Feet	19.50	18.50	Lin. Ft.
3.	Reaming & Setting Casing	5.00	5.00	Lin. Ft.
4.	Casing Left in Hole at Owner Request	4.00	3.50	Lin. Ft.
5.	Cementing & Drilling Cement	5.00		Lin. Ft.
	Or, Contractor Furnish Cement	35.00		Per Hour
6.	Mobilization & Demobilization, Including First Set Up	600.00		Lump Sum
7.	Additional Set Ups	200.00		Each

8. Owner to furnish water to supply tank at drill station and prepare roads to drill station.

In the event we have to haul water, cost of same will be charged at our cost, plus 10% for hauling.

Core boxes, core splitters and sludge containers will be furnished by contractor.

Latest Wire Line and M Series core barrels will be used to produce best core recovery.

If there are any questions concerning this bid, please do not hesitate to contact us.

Yours truly,

CONTINENTAL DRILLING COMPANY

P. A. Conte

PAC:ed

P. A. Conte

MAILING ADDRESS: P. O. BOX 5549

TELEPHONE AREA CODE 213
NEwmark 1-9341
NEvada 6-9416
632-7036

CANNON DIAMOND DRILLING CO.

DRILLING AND GROUTING CONTRACTORS

1464 WEST COMPTON BLVD. COMPTON, CALIFORNIA

July 11, 1967

Harold S. Cooke, Jr.
525 Subway Terminal Bldg
417 S. Hill Street
Los Angeles, California

Dear Mr. Cooke:

Our quotation for the drilling of four core holes near Calico is as follows:

1. Mobilization	$2,000.00
2. Demobilization	1,000.00
3. Drilling-EX-per ft	15.50

The price per foot will include securing and hauling of water, surface casing left in holes with caps, furnishing cardboard core boxes, drillers log and core logged in boxes. Move hole to hole. Coring hole from top to bottom except surface casing. The above prices are based on a minimum of 1500 feet of drilling and the depth not to exceed 500 feet, for any one hole.

Very truly yours,

CANNON DIAMOND DRILLING CO.,

F. G. Cannon,
President

I certify this is a true and correct copy.

Harold S. Cook, Jr.

Harold S. Cook, Jr.

DATED: August 18, 1967

Miller & Johnson
DRILLING CONTRACTOR
RT. 1, BOX 22 - PASO ROBLES, CALIF.

238-1133

July 17, 1967

Dear Harold,

Due to lack of information on the rate of penatration and drilling conditions in that are, I don't feel I can give a footage bid without first going and checking on the area.

My hourly rate is as follows: $25.00 per hour, plus bits and materials, which include the following equipment, a Mayhew 1000 drilling rig with shaker tank, a 1000 gallon water truck and two men.

On a job of 30 working days or more, I would furish the same equipment as above at a day rate of $175.00 per day. Mobilization and Demobilization would be $500.00 each way.

The only way I could work a footage bid on this, is to fly down and get more information and meet with you on the are. Hope this meets with your approval.

Sincerely,

Bob

Bob Miller

I certify this is a true and correct copy.

Harold S. Cook Jr.

Harold S. Cook, Jr.

DATED: August 18, 1967

Miller & Johnson
DRILLING CONTRACTOR
RT. 1, BOX 22 - PASO ROBLES, CALIF.

238-1133

July 26, 1967

Dear Harold,

Here is the additional information you asked for on my bid on the area you want drilled.
Mobilization and Demobilization each way $500.00.
Test hole cost $3.50 per ft. with a 4 3/4" hole.

Any lost circulation encounted, the rig would go on a hourly rate of $25.00 per hour, plus lost circulation materials. In case of caving problems where the hole has to be cased, a additional $2.00 per foot for reaming, plus $1.65 a foot for 6" casing.

On each pad, they weill have to be at least 25 ft. x 25 ft. of hard packed dirt plus an accessable road to each location.

If we have to go to air to drill or a phemutic bit we would have to go on a hourly rate plus bits.

Sincerely,

Bob Miller

Bob Miller

I certify this is a true and correct copy.

Harold S. Cook, Jr.

Harold S. Cook, Jr. Dated: August 18, 1967

J. D. Chaffin
DRILLING COMPANY
VISUAL SAMPLE RECOVERY BY REVERSE AIR VACUUM
851 Haverford Ave., Pacific Palisades, Calif. 90272 (213) 454-4822

July 18, 1967

Mr. Harold S. Cook, Jr.
525 Subway Terminal Bldg.,
417 South Hill Street
Los Angeles, Calif. 90013

Dear Mr. Cook:

Thank you very much for your telephone call requesting a bid for the drilling you have coming up out of Barstow, California and close to the old Calico Mines.

I will furnish drill, truck and pickup to transport men to and from the drill site and back to Barstow, furnish bits and all plastic bags, split samples for each five feet and bag and label same as to footage & number of hole, drill a hole from 3 1/2 to 3 7/8 inch in diameter, set surface pipe down through the overburden, supply compressor and truck and down the hole hammer to drill holes to a depth of 500 feet for a firm bid of $7.00 per foot including the above.

If casing is required, due to caving, the charge for diamond drill type casing without collars will be $57.95 per ten foot joint plus freight and for casing shoes, so casing can be driven - $22.00 each. A charge of $2.00 per foot, including reamer bits, will be charged if hole has to be reamed to set casing. A charge of $1.00 per foot for running casing. There will be no charge for recovering casing providing it will pull without too much trouble. If casing is stuck and jacks have to be used, then a standby charge of $25.00 per hour will be made until casing is recovered or abandoned.

If drill is shut down due to mechanical breakdown there will be no charge but if drill is shut down for any reason other than breakdown, then a standby charge of $25.00 per hour will be made.

If a sealing agent, such as cement, water with mud or other agents is required to seal off any major cracks, caving material such as loose rock, sand, water or any other loss of circulation problems where cement or its equivalent will have to be used, then a charge of $25.00 per hour for cementing, plus the cost cement or mud for actual time needed to cement and allow the cement to set so it can be drilled out. The above based on ten hour days.

Mr. H.S. Cook

Page # 2

This bid is based on dry, reverse air vacuum drilling and down the hole hammer drilling in hard rock and forced water with mud for circulation. Drill normally would work ten hours per day on short jobs, using one crew of two men working twelve days on and two days off.

Drill pads required to station drill should be 15'x25' with turn-arounds in rough places. Holes will be covered with flat rocks by drill crews, otherwise owner will plug same to his specifications.

Proper and sufficent insurance covering equipment and men and public liability will be carried to $300,000. as per formal contract.

Thank you very much for the opportunity to bid this drilling.

I am

Very truly yours,

J.D. CHAFFIN DRILLING CO.

J.D. Chaffin

J.D. CHAFFIN

I certify this is a true and correct copy.

Harold S. Cook, Jr.

Harold S. Cook, Jr.

Dated: August 18, 1967

J. D. Chaffin
DRILLING COMPANY
VISUAL SAMPLE RECOVERY BY REVERSE AIR VACUUM
851 Haverford Ave., Pacific Palisades, Calif. 90272 (213) 454-4822

July 19, 1967

Mr. Harold S. Cook, Jr.
525 Subway Terminal Bldg.,
417 South Hill Street
Los Angeles, Calif, 90013

Dear Mr. Cook:

Sorry that I missed the mobilization charge in the bid which I submitted today.

Move in and move our from Los Angeles to Barstow drill site and return to Los Angeles for two trucks total $300.00 for the in and out.

Thank you again for your interest.

J.D. CHAFFIN DRILLING CO.
J.D. CHAFFIN

I certify this is a true and correct copy.

Harold S. Cook Jr.
Harold S. Cook, Jr.

Dated: August 18, 1967

E. J. LONGYEAR COMPANY
308 EAST PIMA STREET
PHOENIX, ARIZONA 85004
PHONE 258-6543
GEN. OFFICE - MINNEAPOLIS, MINN.

August 4, 1967

Mr. Harold Cook, Jr.
525 Subway Terminal Bldg.
417 South Hill Street
Los Angeles, California 90013

SUBJECT: PROPOSAL COVERING YOUR PLANNED CORE DRILLING PROGRAM, VICINITY CALICO, CALIFORNIA

Gentlemen:

1. In response to your earlier telephoned request and after examining the general area to be drilled, we are pleased to submit our proposal covering core drilling activity in the above subject area.

2. Our understanding of your proposed program is as follows:

The minimum footage will approximate 2,000 linear feet in four each 500 foot maximum depth NX or BX size drill holes.

The formations to be penetrated are expected to consist of a minor amount of alluvial material, an undetermined thickness of limestone, andesite and tuff.

Water for drilling purposes is obtainable at Yermo or Barstow. It will be necessary for the Contractor to furnish a water truck for the purpose of transporting water from the source to the various drill sites.

You will be responsible for the preparation of suitable access roads and the construction of the necessary drill sites.

It is understood that the terrain in which the drilling will be carried out is relatively flat and easily traversable.

3. For the program as outlined above, we propose to furnish one Longyear truck-mounted core drill of suitable capacity and design together with all the required accessory equipment including water and/or service trucks.

We would expect to carry out the program operating one eight hour shift per day on a six day per week basis.

4. We will carry public liability insurance covering personal injury and property damage and Workmen's Compensation insurance and also all-risk insurance on the drilling equipment protecting against loss by theft, fire, flood, landslides and other similar hazards.

(continued)

Certificates showing the coverage referred to will be furnished upon request.

5. Based upon conditions expected to prevail on this work, we are pleased to quote as follows:

a) Mobilization and demobilization of personnel and drilling equipment.....$795.00 lump sum per rig

b) Overburden drilling - Through alluvial material to the coring zone -

0 to 150 feet in depth.....$5.95 per foot

c) Diamond core drilling - Vertical holes -

	NQ WL	BQ WL
0 to 500 feet in depth.....	$8.95/ft.	$8.65/ft.

d) Reaming, if required and where applicable - All sizes and depths involved.....$4.95 per foot

e) Time spent by crews performing cementing activity, installing or pulling casing or carrying out other necessary hole stabilizing operations will be invoiced at.....$15.60 per hour with 2-man drill crew.

f) Cement, drill mud, additives or other stabilizing material or lost circulation material consumed in the program will be invoiced at our jobsite cost, plus a 10% handling fee.

g) Standby time or delays for your convenience or for which you are responsible will be invoiced at.....$14.50 per hour for 2-man drill crew.

h) Casing or pipe lost through normal drilling operations or left in holes at your request will be invoiced at our replacement cost, jobsite basis.

i) Water truck service will be provided on the following basis:

(1) Truck rental.....$250.00 per month plus 15 cents per mile traveled while engaged in water hauling activity.

(2) A separate water truck driver, if required, will be furnished at $4.25 per hour.

(continued)

(3) Any charges incurred for obtaining water at the source will be invoiced to you.

j) Core boxes, cardboard type, capacity ten feet of core in either NX or BX size will be invoiced at.....$1.00 each

k) Labor required for the purpose of splitting cores and performing other requested work by you will be carried out at.....$4.25 per man hour

6. Cores and/or samples will be turned over to your representative at the drill site in containers furnished by you or by the Longyear Company as outlined above.

7. If awarded this work and prior to the mobilizing operations, it is understood and agreed that you will make acceptable financial arrangements with the Longyear Company for the payment of invoices covering work performed. Such arrangements can be either in pre-payment funds or acceptable information on financial ability that would permit billing on an open account basis.

8. Statements will be submitted on a monthly basis promptly at the end of each month covering all invoiceable work performed during the month. Payment will become due promptly upon your receipt of our statement.

9. We appreciate the opportunity to submit this proposal to you. We trust that our lateness has not inconvenienced you in any way.

We look forward to receiving your decision concerning the award of this work.

Sincerely,

E. J. LONGYEAR COMPANY

J. R. Miller

Manager, Southwestern Zone
Contract Drilling Division

J.R.Miller:jag

ACCEPTED:

Company _____

By _____

Date _____

I certify this is a true and correct copy.

Harold S. Cook, Jr.

Harold S. Cook, Jr.
Dated: August 18, 1967

Barstow, Calif.
19 July 1967

Mr Harold Cook Jr.
805 Subway terminal
Los Angeles, Calif.

Dear Mr. Cook,

In complying with your Request in Regards to the Rental Price of my Cat. D-6-C. the min amount Per Hour is $20.00 or $160.00 Per 8 hour Day.

for use of my Pickup truck and collecting Cores and storeing them the Price is $15.00 Per each Day they are Picked up.

Don Mitchell

I certify this is a true and correct copy.

Harold S. Cook, Jr.

Harold S. Cook, Jr.

Dated: August 18, 1967

LA TIMES 8/21/67

$7-Million Silver Mining Operation OKd

Exclusive to The Times from a Staff Writer

SAN BERNARDINO—San Bernardino County Supervisors have given the green light to a proposed $7-million open pit silver mining operation northeast of Barstow. The supervisors approved a zone change from light to heavy industry in the 140-acre site operated by the American Smelting & Refining Co. of New York.

Donald W. Jordan, attorney for the firm, said the company planned to employ two shifts to remove 13,000 to 15,000 tons daily from the pits. The company plans to operate a mill or "ore benefication plant," not ore reduction facilities. This type procedure does not produce noxious fumes.

4,000-Foot Pit

Jordan said the company may excavate a pit 4,000-5,000 feet long, 600-1,000 feet wide and 400 feet deep.

Arthur B. Groos, director of the San Bernardino County Economics Development Commission, said American's long-term investment in equipment and mills would total $7 million. During operations the company is expected to employ 150 to 160 persons.

A spokesman said it may be a year before operations begin at the site just west of the Calico ghost town.

From the desk of:

HAROLD S. COOK, JR.

See N.A.G.A. Prof. 522

Pgs. 84-91 (Nov 1967) Pub.,

by Tom Bebbler

Re Stratigraphic Column @ Cobco;

the Pickhandle Formation has

had the majority of the "Ore

Deposits"

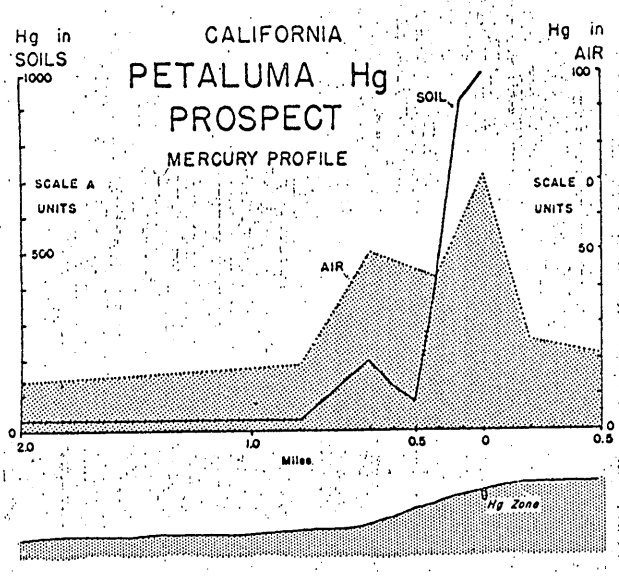


FIG. 1. Note correlation between mercury in air and mercury in solid over this known mercury deposit in California.

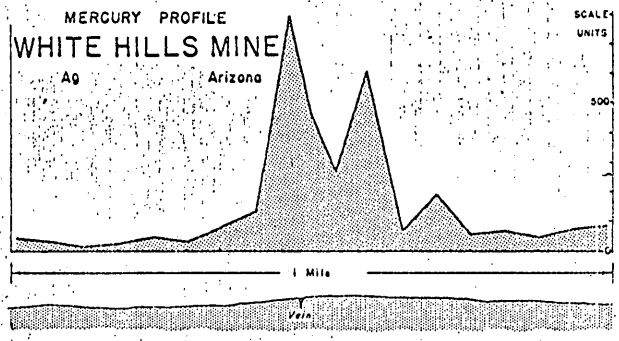


FIG. 2. Profile over White Hills silver mine in Arizona.

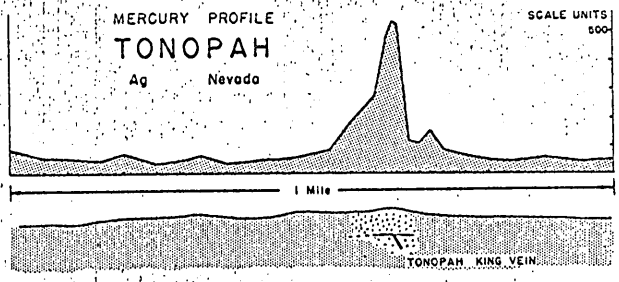


FIG. 3. Mercury profile over buried silver vein in Nevada.

The Mercury Halo Method of Exploration

S. H. WILLISTON

MEASUREMENT of trace amounts of mercury[1] as a guide to the location of sulphide ore deposits was first suggested by A.A. Saukov in Russia in 1946. The most recent publication on the subject is by Nina A. Ozerova on primary mercury halos published in late 1962. From 1946 to 1962, much Russian research work was done on the subject.

Since 1958, in cooperation with Prof. H.E. Hawkes of the University of California, the author has spent considerable time on the same problem in the western U.S. to catch up with the Russian developments.

The original theory of mercury association with other sulphide minerals was a very logical one and subsequent developments have shown that this association is almost universal. A study of gas emanation from volcanos shows associated mercury vapor almost regardless of the type of material, whether acid, basic or intermediate lavas. We must assume, then, that any ore deposits developed from such magmas should have some mercury associated with them. Since mercury deposits are always low-temperature deposits, we would expect mercury vapors or solutions to precede other types of ore deposition but, nevertheless, to leave traces behind which should be associated with minerals normally considered of much higher temperatures.

Once deposited as veins or stock works, the higher temperatures of later additions to the same deposit would tend to drive the mercury farther away both radially and vertically from the point of its original "hesitation."

Again, at the termination of the formation of the main sulphide deposit, as temperatures fell we might again expect conditions more favorable to the deposition of any residual mercury which might be available.

Once deposited, these sulphides are subject to alteration by surface waters; and mercury, while not a noble metal, lies close to them in the sequence of the elements. Any oxidation of the sulphur combined with the mercury leaves the metal in such a state that the high vapor pressure of mercury becomes effective.

As is well known, mercury will evaporate at room temperatures in considerable amounts; consequently, the vapor of the metal will follow any porous voids above an ore deposit. What is less known is that mercury is very soluble even in distilled water. Thus, depending upon the temperature of the metal and the temperature of the water, if a few beads of mercury are placed in distilled water and the container corked up, the air above the water will become saturated with mercury vapor. Hence, a layer of water over the ore deposit is no barrier whatsoever to the migration of the mercury. Further, fine-grain silicas and clays and many other soil constituents readily absorb mercury from the air and from water solutions. The tightness of the bond is dependent on several factors, and much work remains to be done on the migration of absorbed metal.

Larger Targets for Discovery

On near surface soil samples, enough work has been done to indicate that there is some variation of absolute value, though not of relative value, depending on weather and temperature conditions. Since mercury can thus migrate at ordinary temperatures and apparently over long distances, it provides larger targets for discovery than some of the other geochemical methods.

Russian experiments, confirmed in the U.S., indicate that large anomalies extending out considerable distances from the actual ore deposit can be expected. Thus, the anomaly connected with the Comstock Lode in Nevada extends at least two miles, and probably more, away from the lode.

Average background of mercury in rocks and soils varies somewhat area by area. Hence, that part of California underlain by the Franciscan has a high general mercury content. Nevada backgrounds are considerably lower, normally 20 to 30 ppb. Backgrounds in Idaho are fre-

Mr. Williston is vice president of Cordero Mining Co., Palo Alto., Calif.

[1] Units used in this article are as follows: ppm, parts per million; ppb, parts per billion; ppt, parts per trillion; w/w means on a weight basis.

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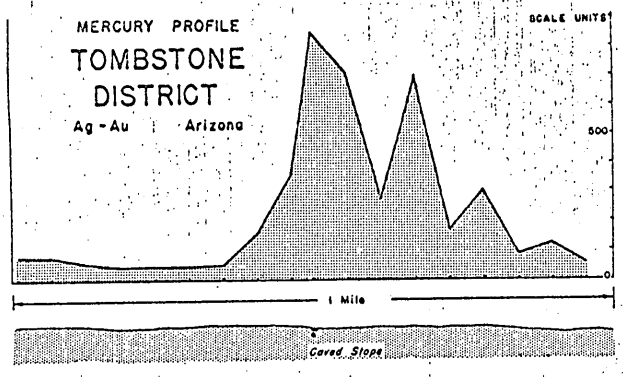


FIG. 4. Mercury profile over caved stope in Tombstone district.

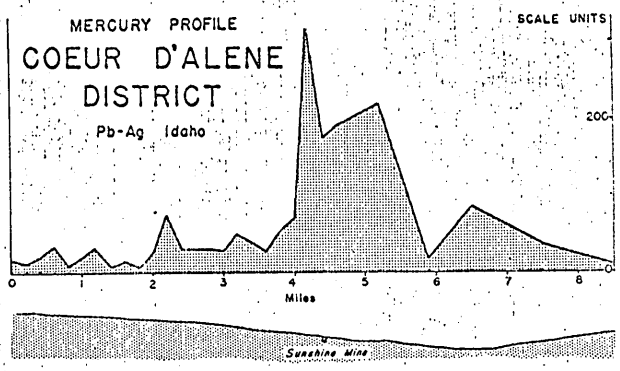


FIG. 6. Mercury profile over Sunshine silver mine in Idaho.

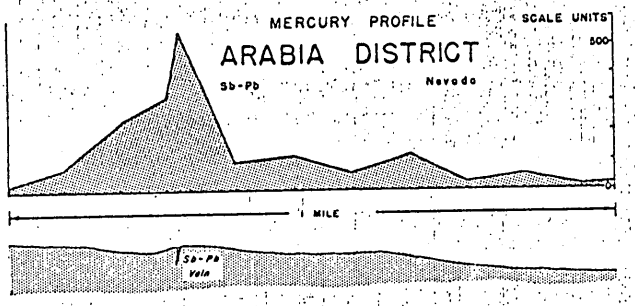


FIG. 5. Mercury profile over antimony-lead vein in Nevada.

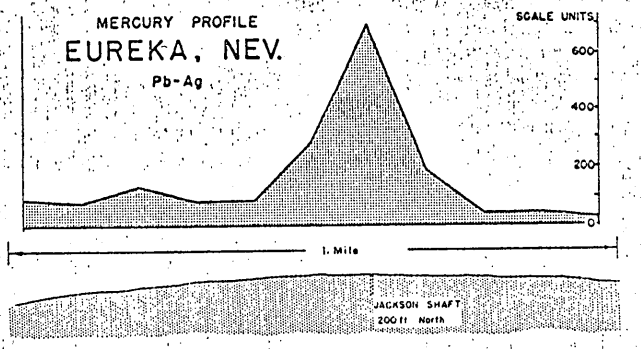


FIG. 7. Mercury profile over lead-silver mine in Nevada.

quently lower still, on the order of 5 to 10 ppb. To date, however, we have found no area within the U.S. which does not carry some mercury in the surface soils. The Russians have found, and we have confirmed in this country, the association of mercury with all silver deposits, almost all lead deposits, all zinc deposits except the carbonate, all antimony deposits, some coppers, all low temperature tungsten deposits, and those molybdenum and gold deposits we have checked. The Russians report, and we have confirmed, the association of mercury with at least some pegmatites.

In general, the lower the temperature of deposition of the material the higher the mercury content in the ore and the higher and broader the surface anomaly. The older the deposit and the lower the content of the mercury in the ore, and the higher the temperature of the original deposition, then the lower the mercury content becomes and the surface expression gives less contrast to background and, presumably, less width of anomaly.

Russian experience in comparison with ordinary geochemical analyses for copper, lead and zinc, indicates that mercury halos extend out for more than a kilometer. However, the lead, zinc and copper anomalies are closely confined to the area of the deposit, consequently not much wider than the mineralization itself. Sufficient work has not been done in this country to ascertain whether it always holds true here as well, although preliminary work would seem to indicate that this is true.

Mercury profiles across hot springs in the western states indicate that, in most cases, mercury abnormalities are associated with the hot springs. There is considerable variation in size of these anomalies; and, in most cases, they are relatively small. But it might be assumed that mercury analyses might be quite helpful in ascertaining the depth from which the hot water might come.

The type of analytical procedure necessary for the detection of mercury depends greatly on the background concentrations with which one is faced.

How Mercury Is Detected

The Russians use a special adaption of emission analysis. In earlier work they could reach a sensitivity of 1/2 ppm. Subsequent improvements increased the sensitivity to 100 ppb. Their current technique, using larger samples and averaging the results, reaches down to the range of 10 to 20 ppb. They may have other, more recent, techniques which go lower. The method is a specific for mercury since the intensity of the 2537 Angstrom line is the one utilized. There are many sensitive mercury detectors available for health purposes here in the U.S. To the best of my knowledge, none is specific for mercury since many organics as well as ozone will absorb in the 2537 Angstrom range. For high concentration—i.e., in the parts-per-million and up—the probability of organics in the gases from soil samples is not high enough to invalidate the results; but the higher the sensitivity of the instrument, the more necessary it becomes to make sure that the measurements made are on mercury and not other minor components in the atmosphere or decomposition products from the heating of soils.

Since 1960 we have been using a twin-beam, long-path spectrophotometer specifically removing the mercury from one path and reading the difference in the absorption of the 2537 absorption band of the two samples. The sensitivity of this instrument can be used in the 1 ppt w/w area with an absolute sensitivity of 1-trillionth of a gram. This is far beyond sensitivity required for soil analyses where sensitivity of 1 ppb, or 1-billionth of a gram, from a 1-gram soil sample is quite adequate.[2]

Dr. John S. Webb of the Imperial College of Science & Technology, England, has been doing research and experimental work in the same field since 1961 and has developed similar equipment.[3]

During 1963 the U.S. Geological Survey at Denver did

[2] Patent applications have been filed in the U.S., Canada and 11 foreign countries.
[3] Patent applications have been filed in the U.K.

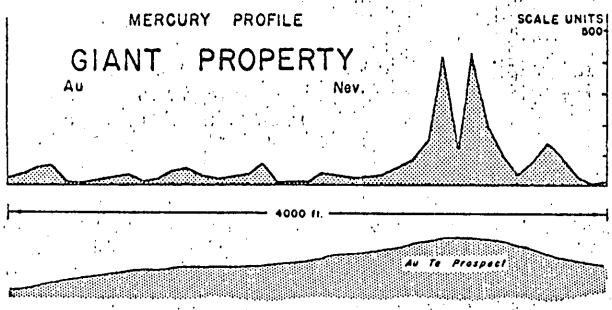


FIG. 8. Mercury profile over gold-telluride prospect.

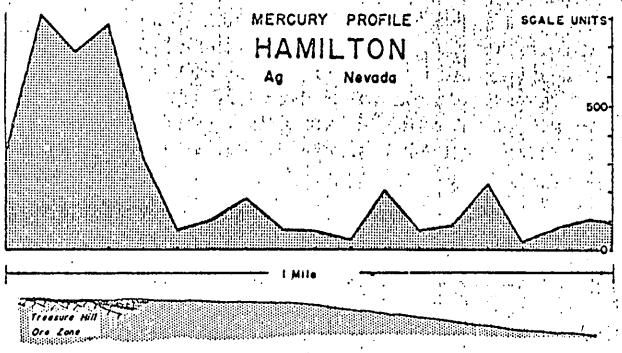


FIG. 9. Mercury profile over surface silver ore zone.

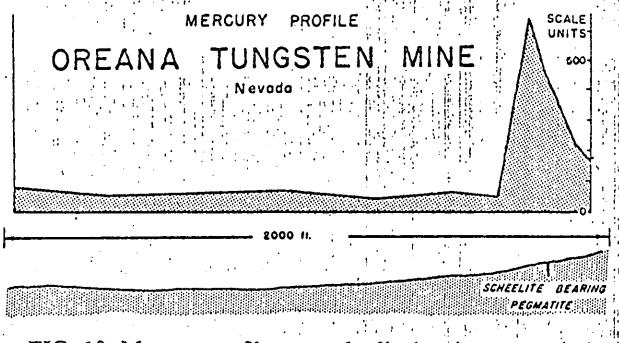


FIG. 10. Mercury profile over scheelite-bearing pegmatite.

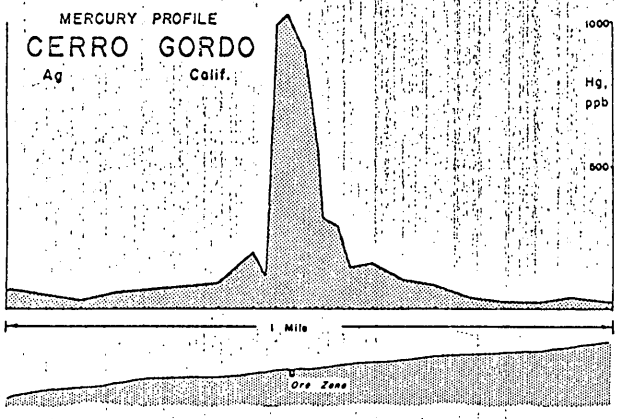


FIG. 11. Mercury profile over silver ore zone in California.

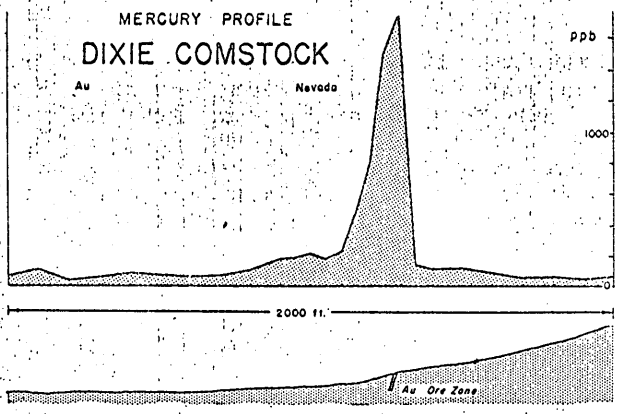


FIG. 12. Mercury profile over gold ore zone in Nevada.

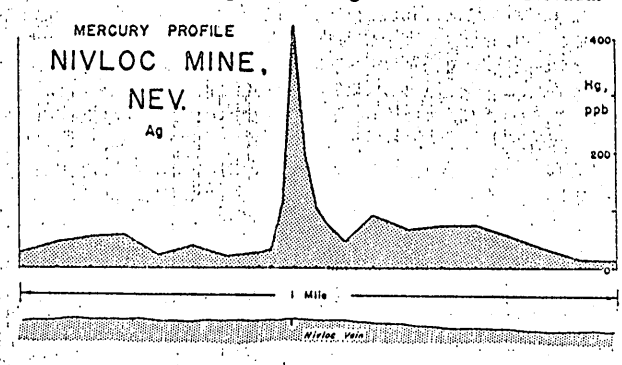


FIG. 13. Mercury profile over Nivloc silver vein, Nevada.

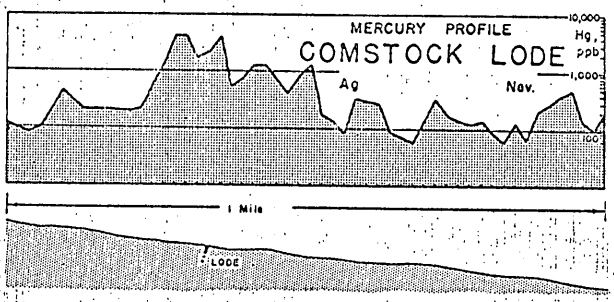


FIG. 14. Mercury profile over famous Comstock lode.

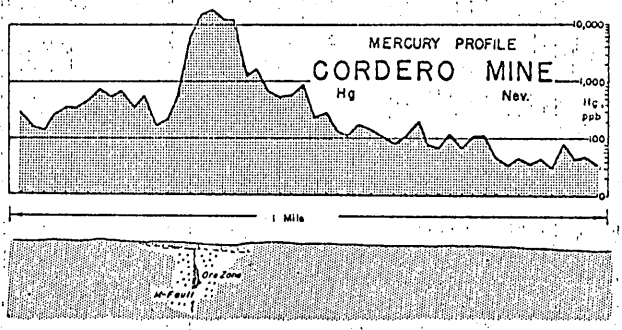


FIG. 15. Mercury profile over the Cordero mercury mine.

some experimental work to develop similar equipment. A.R. Berringer, of Toronto, Canada, is also working in mercury vapor detection; but the author does not know if the method he uses is the same as Dr. Webb's or not.

While there is no record of much experimental work done in Russia on the content of mercury in air to explore for sulphide deposits, some work has been done in this country. A correlation of mercury in air over a known mercury deposit with soil analyses along the same profile is shown in Fig. 1. Development of mercury in air techniques involves more variations than in soil analyses alone, although it holds promise of much cheaper exploration for mineralized areas. It does, however, vary with temperature, wind direction and precipitation. Thus, con-

centrations of 50 to 60 ppt in air can be washed out almost completely by heavy rain. Mercury concentration in air will also vary with time of day and amount of sun. So, on hot, still days in California, mercury content can almost reach the ppb range. The method holds its most promise for warm, dry areas, and its least promise for cloudy, cold and wet areas. In addition, the instrumentation for the specific determination of mercury in these extremely low amounts in air is much more expensive and much less reliable.

Profiles over known ore deposits in western states showing variations of response over various types of mineralization are shown in Figs. 2 through 15. In general, the larger the deposit the wider the halo. The lower temperature of the deposits the higher the peaks. There are, of course, specific exceptions to these generalities.

In conclusion, almost all sulphide deposits show mercury halos, but all mercury halos definitely do not indicate commercial ore deposits. Narrow anomalies may frequently be associated with pre-mineral faulting and show no apparent mineralization. On the other hand, similar profiles have been found over narrow ore zones in unaltered granites. As mentioned previously, most hot springs show small mercury anomalies. This does not mean that there is any commercial ore in close proximity, although it may mean that there is mineralization at very considerable depth.

Normally, for reconnaissance work, 100-gram samples are taken from about 1 ft below the surface of the ground and sealed in mercury-free plastic bags without screening or drying. Over background areas, there does not seem to be any appreciable increase in the mercury values at additional depth; but in anomalous areas of residual soils, mercury values do increase up to 2 ft and sometimes to even 3 ft in depth. Thin soils, especially if coarse, are normally not suited for mercury analyses, and it is then necessary to go to rock sampling. Chips off of outcrops may or may not give satisfactory results, and the additional cost of drilling for fresh material which will give consistent results is a more laborious and expensive procedure.

In any given area, the age of mineralization, the age of overburden, and the depth of any mineralization below the surface must all be taken into account and the sampling technique adjusted to the geological conditions.

Much remains to be learned about the application of this method of exploration for sulphide ore. After some hundreds of thousands of samples have been run, we may know more about its limitations and its applications.

The accompanying 15 profiles give a few examples of mercury analyses over known orebodies. Most of them were taken in 1962 and 1963, and the analytical work was done on different instruments. Where the mercury is shown as scale units, this is a direct reading of the absorption. It is on a semi-logarithmic scale. Values of 1000 are in the ppm range, and values below 50 are in the low ppb range. On the profile of the Petaluma mercury prospect, the mercury in air is shown in ppt. Where the mercury is shown in scale units on the semi-logarithmic scale, the mercury separated from the soil sample is a low-temperature mercury predominant in "live" halos. It represents the mercury in the soil air, mercury dissolved in the soil moisture, and a part of the mercury absorbed on silica components of the soil. It does not include mercury absorbed on the clay minerals of any mercury from sulphides.

Where the scales are shown in ppb, soil air is more or less disregarded. The mercury is that in the sample which is included with the silica and clay minerals but not in any sulphides in the sample.

These profiles are not in logarithmic scale; and, when exceedingly high values are obtained, it is quite impossible to show background values with any accuracy and still plot high peak results.

The last two profiles are shown on an actual logarithmic scale and are, unfortunately, a little too short to show the full width of the anomaly.

Printed in U.S.A.

January 4, 1968

Mr. H. J. Stager
Field Officer
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

Dear Mr. Stager:

Enclosed please note a set of the maps that I showed you in Menlo last month as per your request.

We have found that there is a rather pronounced seasonal change in results from the mercury method when the samples are taken at the surface of the ground. Therefore, the plate marked No. I shows the months that the samples were taken, basically there seems to be at this location a variation of approximately 200% between the winter and the summer months. This we have confirmed again in 1967, as we repeated a few samples both in the winter and summer months of 1967 and the results thereto were within 5% of being identical. The reason for this difference is due to the summer melting of the bacterial bioconose waxes. This we believe is an important phenomena that should be taken into consideration on any and all mercury surveys, especially in areas where the summer temperature at the surface is above 95° Fahrenheit.

In addition we have found that the collection of heavy minerals in the surface is markedly enhanced during the warmer months. Thus, we see at least two types of bonding being effective at the surface, namely, ionic bonding and for want of a better word, a wax bonding.

The additional enclosed maps marked II-A and B, III-A and B, and IV-A and B are an attempt on our part to show by contouring the possible underground structure of the ore shoots. Maps II-A and B show the results using the exact values when taken; III-A and B, is contoured only using April through September 1966 results; IV-A and B, is using all values and increasing the winter values by an arbitrary factor of 3.

I am hopeful that we shall be hearing from you in the near future as to the Office of Minerals Exploration's decision in this matter. With kindest personal regards.

Sincerely,

Harold S. Cook, Jr.

enc

HSC/t
cc: Mr. Thor H. Killsgaard
Mr. E. F. Lawrence

ASSIGNMENT AGREEMENT

WHEREAS, HAROLD S. COOK, JR., hereinafter referred to as COOK; WILLIAM F. ROBERTS, hereinafter referred to as ROBERTS; ERIC G. LAUE, hereinafter referred to as ERIC LAUE; ELIZABETH C. LAUE, hereinafter referred to as BETTY LAUE; CHARLES V. ARMSTRONG, hereinafter referred to as ARMSTRONG; L. TREVOR GRIMM, hereinafter referred to as GRIMM; EMILY ROBERTS, hereinafter referred to as EMILY; and LUCILLE COOK, hereinafter referred to as LUCILLE; have located and maintained several contiguous mining claims in the Calico Mining District of San Bernardino County, California, as follows:

1. COOK located and claims the COOK Lode Mining Claim as recorded in amended claim notice 29 April 1966, Book 457, pages 505-507, microfilm 672, of mining records, San Bernardino County;

2. ROBERTS located and claims the ROBERTS Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 511-513, microfilm 674, of mining records, San Bernardino County;

3. ERIC LAUE located and claims the ERIC LAUE Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 514-516, microfilm 675, of mining records, San Bernardino County;

4. BETTY LAUE located and claims the BETTY LAUE Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 517-519, microfilm 676, of mining records, San Bernardino County;

5. ARMSTRONG located and claims the ARMSTRONG Lode Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, pages 508-510, microfilm 673, of mining records, San Bernardino County;

6. COOK, ERIC LAUE, ARMSTRONG, ROBERTS, GRIMM, BETTY LAUE, EMILY and LUCILLE located and claim the HARRIETT Placer Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, page 520, microfilm 677, of mining records, San Bernardino County.

WHEREAS, COOK, ROBERTS, ERIC LAUE, BETTY LAUE, ARMSTRONG, GRIMM, EMILY AND LUCILLE, hereinafter collectively referred to as CLAIM OWNERS, are of the opinion that their respective claims cannot be explored, developed, mined and/or marketed profitably as individual and separate claims; and

WHEREAS, GEOMINERAL CORPORATION, hereinafter referred to as GEOMINERAL, is a California corporation engaged in the business of mining and mineral exploration and development, and;

WHEREAS, CLAIMOWNERS were active in the organization and incorporation of GEOMINERAL and CLAIMOWNERS expect to become shareholders in GEOMINERAL;

NOW, THEREFORE, IT IS AGREED BY AND BETWEEN CLAIM OWNERS and GEOMINERAL

On this 9th day of December, 1967, as follows:

WITNESSETH:

FIRST: In reliance upon the promises of each other and for other valuable consideration, CLAIM OWNERS, and each of them, hereby assign to GEOMINERAL the sole and exclusive rights to explore, discover, develop, and/or mine their respective mining claims as hereinbefore described and set forth; and further assign to GEOMINERAL, the sole and exclusive right to sell, lease, or otherwise dispose and market any and all minerals that may be found on said claims, and to retain any amounts paid for any such minerals so disposed of. It is understood that CLAIM OWNERS are to participate in such income from minerals found on said claims only in their capacity as shareholders of GEOMINERAL;

SECOND: GEOMINERAL agrees to reimburse CLAIM OWNERS, and each of them, the respective amounts that each has incurred and actually paid on behalf of their respective claims for property taxes and for actual cash outlays paid for the survey and direct development previously completed on each of said claims. GEOMINERAL further agrees to pay all of the legal expenses incurred by CLAIM OWNERS as a result of litigation required to perfect the claims, including, but not limited to those appeals already handled before the Bureau of Land Management and now pending before the Secretary of the Interior. GEOMINERAL further agrees to pay all property taxes hereafter assessed against said mining claims and to pay all future costs of assessment work and other expenses in connection with the development of these said claims, and to save CLAIM OWNERS free and harmless from any suits filed against them as owners of such claims, for so long as this agreement remains in force and effect;

THIRD: GEOMINERAL agrees to employ all reasonable efforts to explore, discover and market minerals on said claims in the best interests of its shareholders, but, in the event that after such reasonable efforts, no minerals are discovered in marketable quantity, GEOMINERAL has the right to terminate this assignment upon giving CLAIM OWNERS, and each of them, their heirs or assigns, sixty (60) days written notice of such termination;

FOURTH: This Assignment Agreement is to run for a period of fifty (50) years from the date hereinbefore set forth, unless previously terminated under the provisions set forth in paragraph THIRD herein. If at the expiration of said fifty (50) years, active mineral development, mining or marketing operations are under way, the parties hereto agree that GEOMINERAL is given an option to renew this agreement for another fifty (50) year period under the same terms as set forth herein.

WITNESS our hands this 9th day of December, 1967.

HAROLD E. LUCK	WILLIAM F. ROBERTS	GEOMINERAL CORPORATION By Harold E. Cook, Jr. President
ERIC LAUE	ELIZABETH C. LAUE	
CHARLES V. ANDERSON	L. TREVOR GRIMM	Robert D. Upp Secretary
BILLY ROBERTS	LUCILLE COOK	

GEO MERQ — YERMO QUAD — T 10 N, R 1 E

ALL TEST VALUES IN PARTS PER MILLION OF MERCURY (PPM OF Hg.)

SECTION 22 23

I

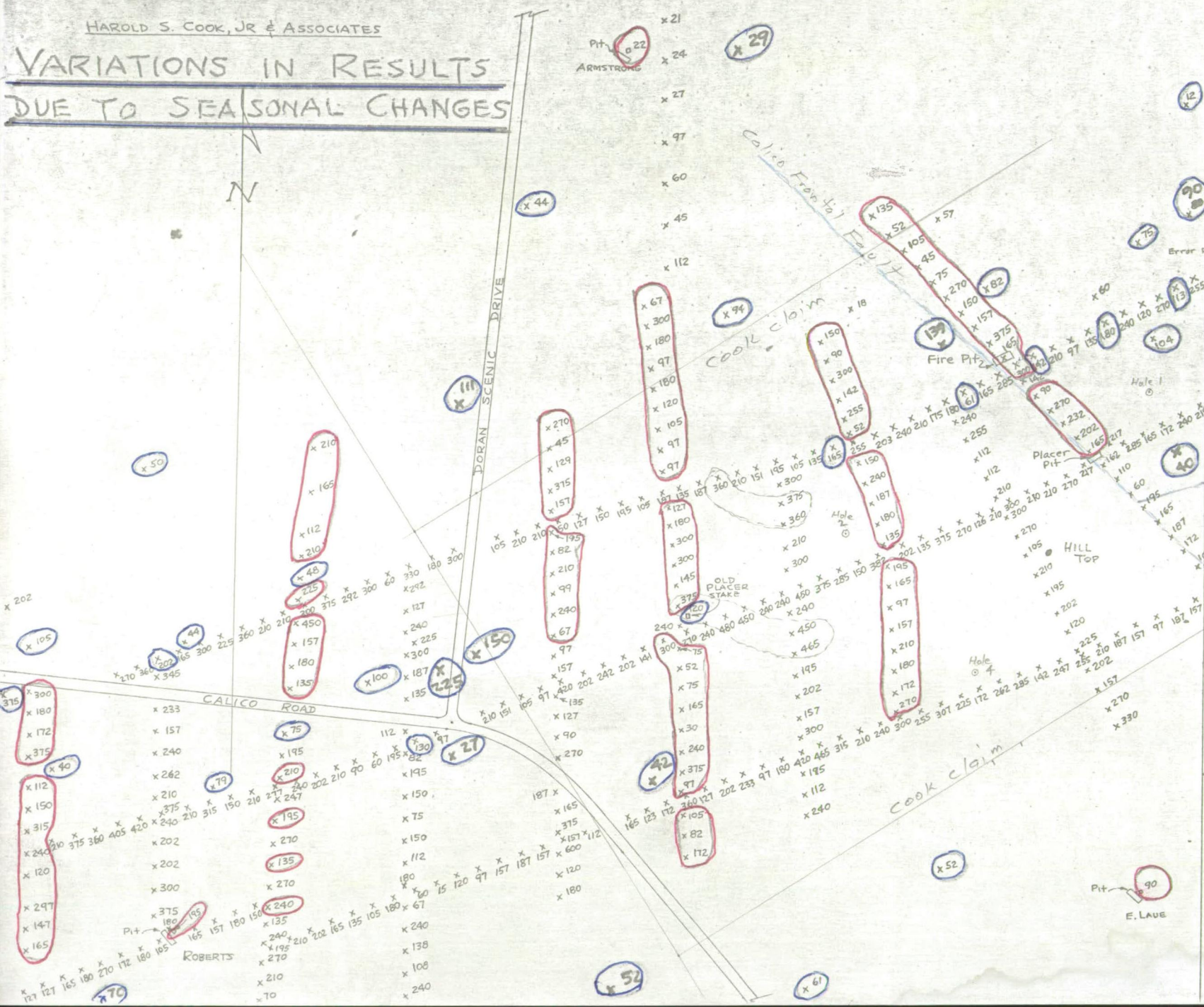
SCALE 1:1,000

MILE 0 .05 .10 .15 .20

FEET 0 100 200 300 400 500 1000

HAROLD S. COOK, JR & ASSOCIATES

VARIATIONS IN RESULTS DUE TO SEASONAL CHANGES



1966

BLUE - JAN., FEB. & MAR.

RED - APRIL

BLACK - AUG. & SEPT.

DEC 1966
WER

GEO MERQ

YERMO QUAD

T 10 N, R 1 E

ALL TEST VALUES IN PARTS PER MILLION OF MERCURY (PPM OF Hg.)

SECTION 22 23

II A

SCALE 1:1,000

MILE 0 .05 .10 .15 .20

FEET 0 100 200 300 400 500 1000

INTERVAL COLOR CODE

HAROLD S. COOK, JR & ASSOCIATES

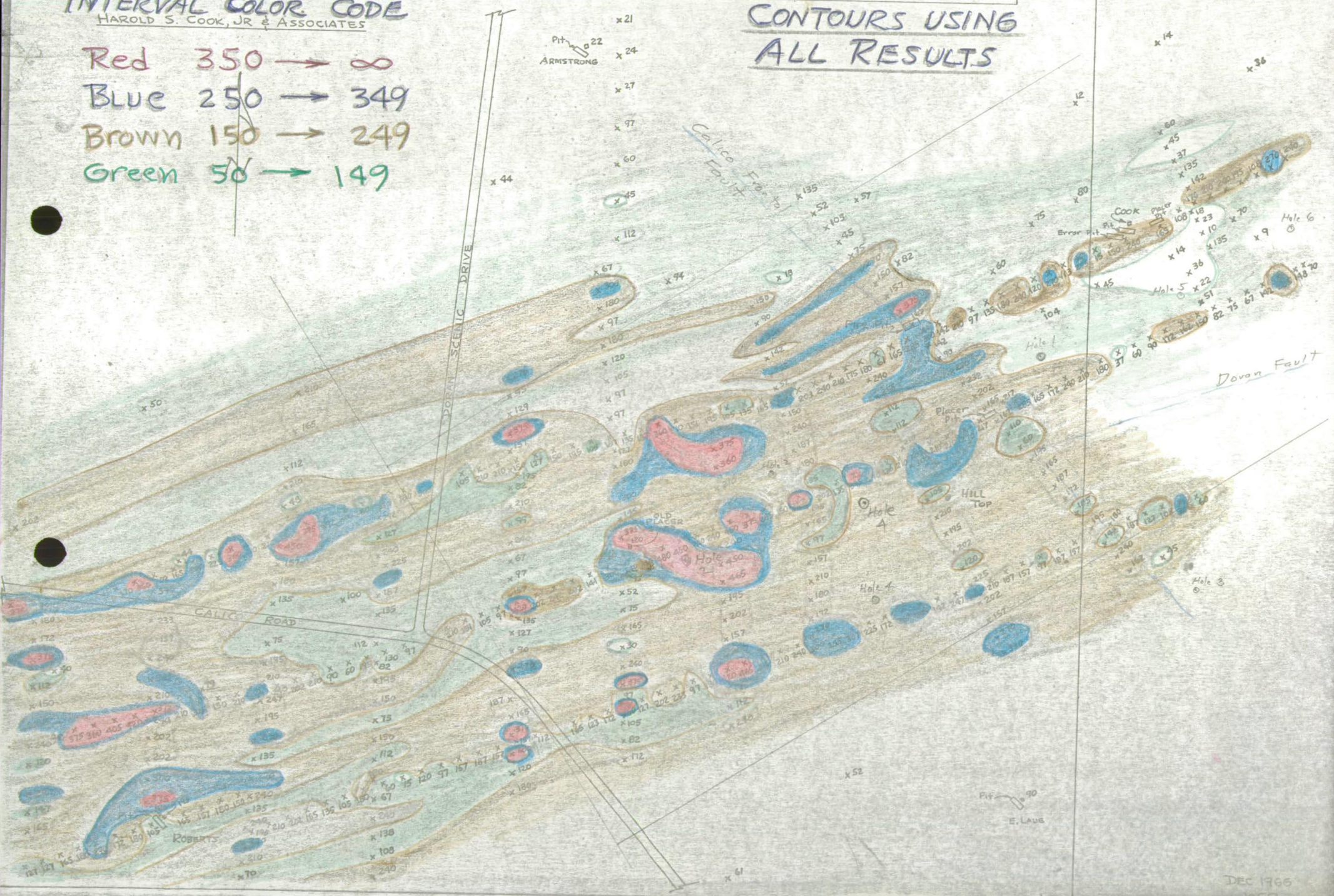
Red 350 → ∞

Blue 250 → 349

Brown 150 → 249

Green 50 → 149

CONTOURS USING ALL RESULTS



DEC 1966

GEO MERQ — YERMO QUAD — T 10 N, R 1 E — PLATE ~~X~~ II B

ALL TEST VALUES IN PARTS PER MILLION OF MERCURY (PPM OF Hg.)

SECTION 22 23

SCALE 1:1,000

MILE 0 .05 .10 .15 .20

FEET 0 100 200 300 400 500 1000

INTERVAL COLOR CODE
HAROLD S. COOK, JR & ASSOCIATES

RED 300 → ∞
BLUE 200 → 299
Brown 100 → 199
Green 0 → 99

CONTOURS USING ALL RESULTS TAKEN

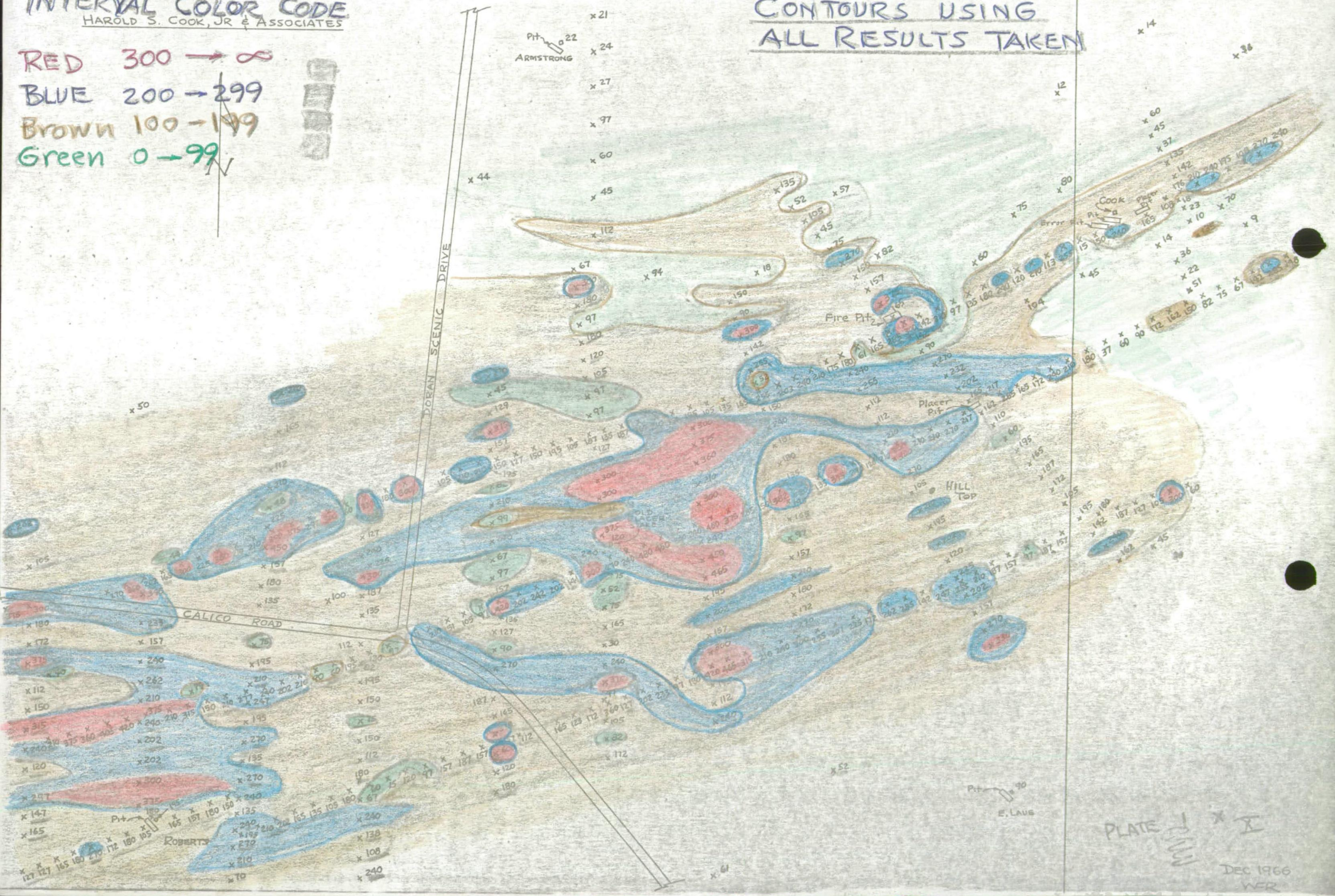


PLATE ~~I~~ X I

DEC 1966
WER

GEO MERQ — YERMO QUAD — T 10 N, R 1 E

ALL TEST VALUES IN PARTS PER MILLION OF MERCURY (PPM OF Hg.)

SECTION 22 | 23

IV A

SCALE 1:1,000

MILE 0 .05 .10 .15 .20

FEET 0 100 200 300 400 500 1000

HAROLD S. COOK, JR & ASSOCIATES

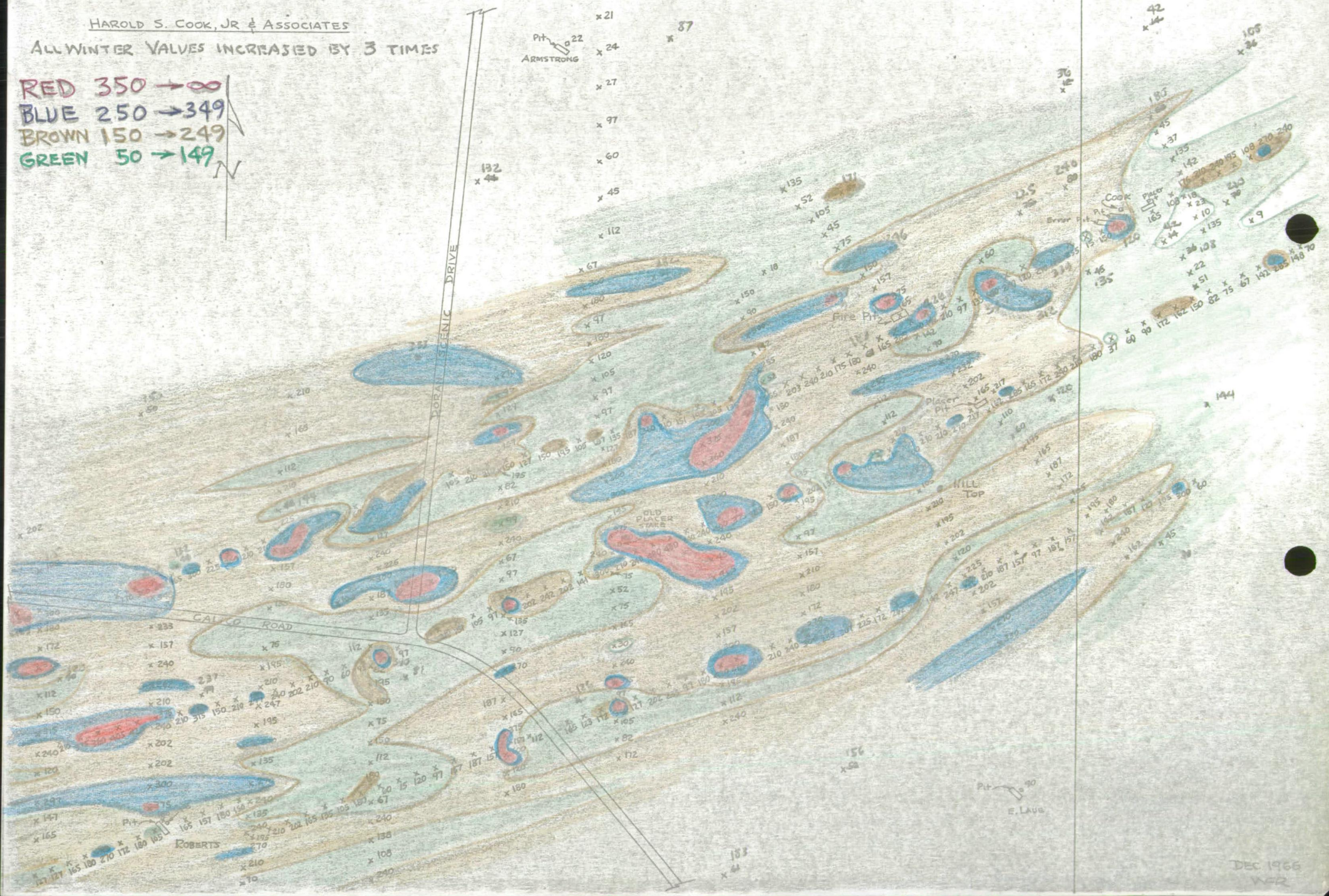
ALL WINTER VALUES INCREASED BY 3 TIMES

RED 350 → ∞

BLUE 250 → 349

BROWN 150 → 249

GREEN 50 → 149



DEC 1966
WGR

GEO MERQ YERMO QUAD T 10 N, R 1 E

IV B

ALL TEST VALUES IN PARTS PER MILLION OF MERCURY (PPM OF Hg.)

SECTION 22 23

SCALE 1:1,000

MILE 0 .05 .10 .15 .20

FEET 0 100 200 300 400 500 1000

HAROLD S. COOK, JR & ASSOCIATES

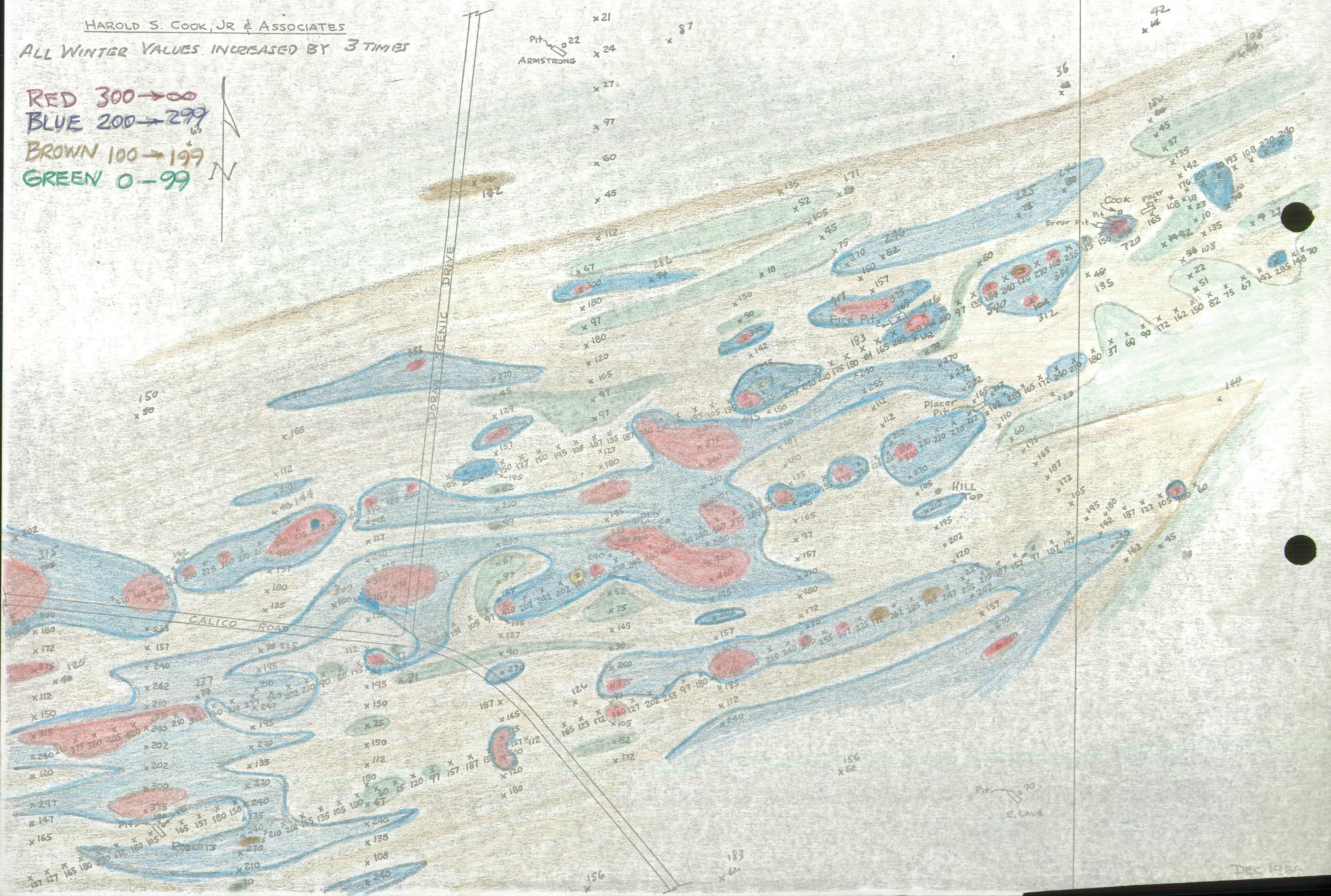
ALL WINTER VALUES INCREASED BY 3 TIMES

RED 300 → ∞

BLUE 200 → 299

BROWN 100 → 199

GREEN 0 – 99



DEC 1954

GEO MERQ YERMO QUAD T 10 N, R 1 E

ALL TEST VALUES IN PARTS PER MILLION OF MERCURY (PPM OF Hg.)

SECTION 22 23

III A

SCALE 1:1,000

MILE 0 .05 .10 .15 .20

FEET 0 100 200 300 400 500 1000

HAROLD S. COOK, JR & ASSOCIATES

CONTOURS USING APRIL THRU SEPT 1966 RESULTS

INTERVAL COLOR CODE

350 → ∞ RED

250 - 349 BLUE

150 - 249 BROWN

50 - 149 GREEN

DEC 1966
WER

GEO MERQ YERMO QUAD T 10 N, R 1 E

III B

ALL TEST VALUES IN PARTS PER MILLION OF MERCURY (PPM of Hg.)

SECTION 22 23

SCALE 1:1,000

MILE 0 .05 .10 .15 .20

FEET 0 100 200 300 400 500 1000

INTERVAL

HAROLD S. COOK, JR & ASSOCIATES

COLOR CODE

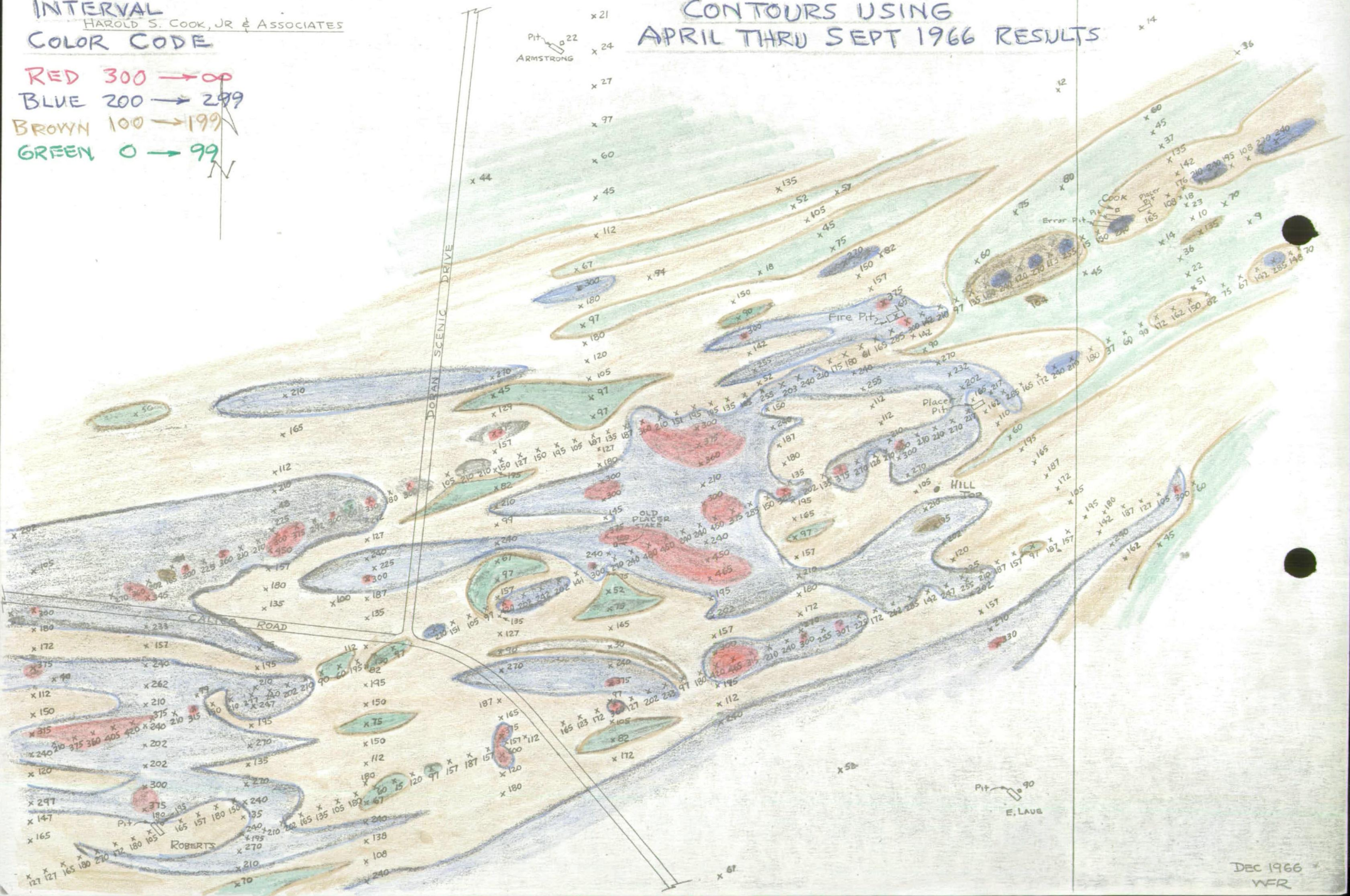
RED 300 → ∞

BLUE 200 → 299

BROWN 100 → 199

GREEN 0 → 99

CONTOURS USING APRIL THRU SEPT 1966 RESULTS



DEC 1966
WFR

ASSIGNMENT AGREEMENT

WHEREAS, LUCILLE F. COOK, hereinafter referred to as Cook, is the Executrix of the Estate of Harold S. Cook, Jr., and the sole heir to the Estate of Harold S. Cook, Jr.; has located and maintained several contiguous mining claims in the Calico Mining District of San Bernardino County, California as follows:

1. Cook located and claims the COOK Lode mining Claims as recorded in amended claim notice 29 April 1966, Book 457, pages 505-507, microfilm 672, of mining records, San Bernardino County;

2. Cook, Eric Laue, Armstrong, Roberts, Grimm, Betty Laue, and Emily located and claim the Harriett Placer Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, page 520, microfilm 677, of mining records, San Bernardino County.

Whereas, Cook hereinafter referred to as Claim Owner, is of the opinion that her respective claims cannot be explored, developed, mined and/or marketed profitably as individual and separate claims; and

WHEREAS, GEOMINERAL CORPORATION, hereinafter referred to as GEOMINERAL, is a California corporation engaged in the business of mining and mineral exploration and development, and;

WHEREAS, Claim Owner was active in the organization and incorporation of GEOMINERAL and Claim Owner expects to become a shareholder in GEOMINERAL;

NOW, THEREFORE, it is agreed by and between claim owner and GEOMINERAL on this 5th day of August, 1968, as follows:

WITNESSETH:

FIRST: In reliance upon the promises of each other and for other valuable consideration, Claim Owner, hereby assigns to GEOMINERAL the sole and exclusive rights to explore, discover, develop, and/or mine his respective mining claims as hereinbefore described and set forth; and further assign to GEOMINERAL, the sole and exclusive right to sell, lease, or otherwise dispose and market any and all minerals that may be found on said claims, and to retain any amounts paid for any such minerals so disposed of. It is understood that Claim Owner is to participate in such income from minerals found on said claims only in his capacity as shareholder of Geomineral;

SECOND: GEOMINERAL agrees to reimburse Claim Owner, and the respective amounts that each has incurred and actually paid on behalf of his respective claims for property taxes and for actual cash outlays paid for the survey and direct development previously completed on

each of said claims. GEOMINERAL further agrees to pay all of the legal expenses incurred by Claim Owner as a result of litigation required to perfect the claims, including, but not limited to those appeals already handled before the Bureau of Land Management and now pending before the Secretary of the Interior. GEOMINERAL further agrees to pay all property taxes hereafter assessed against said mining claims and to pay all future costs of assessment work and other expenses in connection with the development of these said claims, and to save Claim Owner free and harmless from any suits filed against them as owner of such claims, for so long as this agreement remains in force and effect;

THIRD: GEOMINERAL agrees to employ all reasonable efforts to explore, discover and market minerals on said claims in the best interests of its shareholder, but, in the event that after such reasonable efforts, no minerals are discovered in marketable quantity, GEOMINERAL has the right to terminate this assignment upon giving Claim Owner, and their heirs or assigns, sixty (60) days written notice of such termination;

FOURTH; This Assignment Agreement is to run for a period of fifty (50) years from the date hereinabove set forth, unless previously terminated under the provisions set forth in paragraph THIRD herein. If at the expiration of said fifty (50) years, active mineral development, mining or marketing operations are under way, the parties hereto agree that GEOMINERAL is given an option to renew this agreement for another fifty (50) year period under the same terms as set forth herein.

WITNESS our hands this 5th day of August, 1968.

Lucille F. Cook

Lucille F. Cook

GEOMINERAL CORPORATION

By Lucille F. Cook
Lucille F. Cook
Treasurer

STATE OF CALIFORNIA)
County of Los Angeles) SS

On the 5th day of August, 1968, before me, the undersigned, a Notary Public in and for said County and State, personally appeared LUCILLE F. COOK, known to me to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same.

WITNESS my hand and official seal.

OFFICIAL SEAL
ARDELLICE H. BARRY
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires March 26, 1972

Ardellice H. Barry
Notary Public in and ~~for~~ said
County & State

ASSIGNMENT AGREEMENT

WHEREAS, LUCILLE F. COOK, hereinafter referred to as Cook, is the Executrix of the Estate of Harold S. Cook, Jr., and the sole heir to the Estate of Harold S. Cook, Jr.; has located and maintained several contiguous mining claims in the Calico Mining District of San Bernardino County, California as follows:

1. Cook located and claims the COOK Lode mining Claims as recorded in amended claim notice 29 April 1966, Book 457, pages 505-507, microfilm 672, of mining records, San Bernardino County;

2. Cook, Eric Laue, Armstrong, Roberts, Grimm, Betty Laue, and Emily located and claim the Harriett Placer Mining Claim as recorded in amended claim location notice 29 April 1966, Book 457, page 520, microfilm 677, of mining records, San Bernardino County.

Whereas, Cook hereinafter referred to as Claim Owner, is of the opinion that her respective claims cannot be explored, developed, mined and/or marketed profitably as individual and separate claims; and

WHEREAS, GEOMINERAL CORPORATION, hereinafter referred to as GEOMINERAL, is a California corporation engaged in the business of mining and mineral exploration and development, and;

WHEREAS, Claim Owner was active in the organization and incorporation of GEOMINERAL and Claim Owner expects to become a shareholder in GEOMINERAL;

NOW, THEREFORE, it is agreed by and between claim owner and GEOMINERAL on this 5th day of August, 1968, as follows:

WITNESSETH:

FIRST: In reliance upon the promises of each other and for other valuable consideration, Claim Owner, hereby assigns to GEOMINERAL the sole and exclusive rights to explore, discover, develop, and/or mine his respective mining claims as hereinbefore described and set forth; and further assign to GEOMINERAL, the sole and exclusive right to sell, lease, or otherwise dispose and market any and all minerals that may be found on said claims, and to retain any amounts paid for any such minerals so disposed of. It is understood that Claim Owner is to participate in such income from minerals found on said claims only in his capacity as shareholder of Geomineral;

SECOND: GEOMINERAL agrees to reimburse Claim Owner, and the respective amounts that each has incurred and actually paid on behalf of his respective claims for property taxes and for actual cash outlays paid for the survey and direct development previously completed on

each of said claims. GEOMINERAL further agrees to pay all of the legal expenses incurred by Claim Owner as a result of litigation required to perfect the claims, including, but not limited to those appeals already handled before the Bureau of Land Management and now pending before the Secretary of the Interior. GEOMINERAL further agrees to pay all property taxes hereafter assessed against said mining claims and to pay all future costs of assessment work and other expenses in connection with the development of these said claims, and to save Claim Owner free and harmless from any suits filed against them as owner of such claims, for so long as this agreement remains in force and effect;

THIRD: GEOMINERAL agrees to employ all reasonable efforts to explore, discover and market minerals on said claims in the best interests of its shareholder, but, in the event that after such reasonable efforts no minerals are discovered in marketable quantity, GEOMINERAL has the right to terminate this assignment upon giving Claim Owner, and their heirs or assigns, sixty (60) days written notice of such termination;

FOURTH; This Assignment Agreement is to run for a period of fifty (50) years from the date hereinabove set forth, unless previously terminated under the provisions set forth in paragraph THIRD herein. If at the expiration of said fifty (50) years, active mineral development, mining or marketing operations are under way, the parties hereto agree that GEOMINERAL is given an option to renew this agreement for another fifty (50) year period under the same terms as set forth herein.

WITNESS our hands this 5th day of August, 1968.

Lucille F. Cook

Lucille F. Cook

GEOMINERAL CORPORATION

By Lucille F. Cook
Lucille F. Cook
Treasurer

STATE OF CALIFORNIA)
County of Los Angeles) SS

On the 5th day of August, 1968, before me, the undersigned, a Notary Public in and for said County and State, personally appeared LUCILLE F. COOK, known to me to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same.

WITNESS my hand and official seal.

OFFICIAL SEAL
ARDELLICE H. BARRY
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires March 25, 1972

Ardellice H. Barry
Notary Public in and for said
County & State

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

March 28, 1969

OFFICIAL COPY
O. M. E.
RECEIVED
APR 1 1969

INITIALS	CODE
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	120
HK	120
	220

Memorandum

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

From: Field Officer
Region II

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

Enclosed is a summary-type Final Field Report on the subject project.

H. K. Stager

Enclosure

FINAL F.T. REPORT

FINAL FIELD REPORT - OME EXPLORATION PROJECT

By H. K. Stager, Field Officer, Region II

March 28, 1969

1. OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

Operator: Geomineral Corporation
11169 So. Chadsey Drive
Whittier, California 90604

Property: Consists of 5 unpatented lode mining claims (Armstrong, Betty Laue, Cook, Eric Laue, and Roberts) including all rights pertaining thereto, in secs. 22, 23, and 27, T. 10 N., R. 1 E., S.B.B.M., Calico mining district, San Bernardino County, California. A map showing the area of these 5 claims was attached to the contract.

Ownership: The Operator was in possession of the claims under the terms of an Assignment Agreement, dated December 9, 1967, from Harold S. Cook, Jr., William F. Roberts, Eric Laue, Elizabeth C. Laue, Charles V. Armstrong, L. Trevor Grimm, and Emily Roberts, the owners, recorded in Book 6955, page 221, of the Official Records in San Bernardino County Recorder's Office at San Bernardino, California, and an Assignment Agreement dated August 5, 1968, from Lucille Cook. Lien and Subordination Agreements executed by the owners of the above-listed claims were attached to the contract.

2. Purpose of Project: The purpose of the project was to explore by rotary drilling, from prepared surface drill sites, for silver-bearing ore bodies in or near faults and a fault intersection and in sedimentary and volcanic rocks of the Barstow Formation of Tertiary age.

3. Contract: Dated August 27, 1968, for a term of 3 months.
Original contract amount - $20,000.00
Government participation - 75 percent, $15,000.00

Amendments

No. 1 - December 23, 1968, to change the allowable costs for various items under Stage I of the contract.

4. Project Work: Started - September 1, 1968. Completed October 11, 1968.

Cost Items (As Amended)	Authorized Units	Authorized Rate	Authorized Amount	Completed Units	Completed Amount
Stage I					
Mobilization of bulldozer	Job	$37.00	$ 37.00	Job	$ 37.00
Bulldozing	3 hrs.	$20/hr.	60.00	3 hrs.	60.00
Mobilization and demobilization of drill rig and truck	Job	$300.00	300.00	Job	300.00
Rotary drilling	1,000 ft.	$7/ft.	7,000.00	1,000 ft.	7,000.00
Cementing and redrilling	30 hrs.	$25/hr.	750.00	29½ hrs.	737.50
Reaming and setting casing	70 ft.	$3/ft.	210.00	30 ft.	90.00
Supervisor	1 mo.	$750/mo.	750.00	1/3 mo.	250.00
Consultant	4 days	$75/day	300.00	0	0
Cement, drilling mud, and additives		$40	40.00	[illegible]	39.78
Per diem for consultant	4 days	$16/day	64.00	0	0
Transportation for consultant	700 mi.	10¢/mi.	70.00	0	0
Office and accounting expenses	1 mo.	$50/mo.	50.00	1 mo.	50.00
Payroll taxes, FICA, and insurance	-	$56	56.00	0	0
Assaying for gold and silver	200 samples	$3/ea.	600.00	193	902.00
Transportation of samples	-	$13	13.00	-	12.70
Total for Stage I			$10,300.00		$9,478.98
Total for Stage II			9,700.00		0
Total for Project			20,000.00		9,478.98
Government participation at 75 percent			15,000.00		7,109.24
Paid to the Operator					$7,109.24

The Government retained no equity in any of the equipment or supplies used.

4. Project Work - Continued

Effectiveness of the Work - The most favorable target areas were adequately explored.

Efficiency of Operation - The project was accomplished in an efficient and satisfactory manner.

5. Reports:

Operator's Final Report - Waived. Report of the work completed, that accompanied the voucher, was accepted in lieu of a separate Final Report.

Cost Review - A Report of Review was issued by the Office of Survey and Review in January 1969.

Final Audit - A final audit was not requested inasmuch as no additional vouchers were submitted or paid after the cost review. The final voucher was paid on January 17, 1969.

Royalty Review - There was no ore produced during the period of the contract and no royalty was due the Government.

6. Project Results:

Discoveries - There were no discoveries of silver-bearing material. A map, showing the exploration work, drill logs, and assays were attached to the voucher and report on the completed work. The assays of core samples and sludges indicated that the silver content ranged from a trace to about 1.5 ounces per ton and the gold content from a trace to about 0.06 ounce per ton. The surface geochemical anomalies are apparently caused by windblown contamination from a nearby mill tailings pile. No ore reserves were discovered or estimated as a result of the work. Future production is not feasible and future development and exploration are not warranted.

Certification - The OME work did not result in a discovery of minable ore and certification of possible production was not recommended. The Operator was notified on March 18, 1969, that the Government retains no claim or lien against the property.

6. Project Results - Continued

Production - There was no ore mined or stockpiled during the period of the contract.

Royalties - There was no ore sold and no royalties were paid or due the Government.

7. Geologic Summary - The ore bodies that have been mined in the Calico district occurred as vein deposits in faults and fractures cutting volcanic rocks and as shallow pockety disseminations in sedimentary lake deposits of Tertiary age. Total production from the district during the period 1882-1896 is estimated at 13 to 20 million dollars in silver. There has been no significant production since that period.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/17/69	Peterson	120
	(on leave)	120
	Emerick	120E
		220

Mr. William F. Roberts
Geomineral Corporation
11169 So. Chadsey Drive
Whittier, California 90604

MAR 18 1969

Re: GME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

Dear Mr. Roberts:

Enclosed is a copy of a self-explanatory letter of today to the Operator under the subject contract.

This correspondence relates to the Lien and Subordination Agreement executed July 10, 1968, by you, under the Office of Minerals Exploration program.

Sincerely yours,

William L. Emerick

W. L. Emerick
For: Harold Kirkemo
Acting Chief
Office of Minerals Exploration

Enclosure

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
OME Region II
Mr. Peterson
130

BSLong/1 3/17/69

Identical letters to:
Mrs. Lucille F. Cook
525 Subway Terminal Bldg.
417 So. Hill Street
Los Angeles, California 90013

Mr. Charles V. Armstrong
2316 Las Lunas Street
Pasadena, California 91107

Mr. and Mrs. Laue
1260 Encino Drive
San Marino, California 91108

MMS Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/14/69	Peterson	120
	Emerick	120
		220

Memorandum

To: Chief, Branch of Budget and Finance

From: Acting Chief, Office of Minerals Exploration

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

Enclosed is a copy of the Field Officer's letter of March 10, 1968, forwarding to the Operator a copy of the Report of Cost Review on the subject contract. A copy of the report also is enclosed.

William L. Emerick (gla)

W. L. Emerick
For: Harold Kirkemo

Enclosures

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region II
Mr. Peterson

ECPeterson/bsl 3/14/69

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

March 10, 1969

Mr. William F. Roberts
Geomineral Corporation
11169 So. Chadsey Drive
Whittier, California 90604

Re: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

Dear Mr. Roberts:

Enclosed is a copy, for your files, of a Report of Review of the subject contract issued by the Office of Survey and Review, Washington, D. C., in January 1969.

The facts as stated in the report agree with the records of the Field Office and I concur in the findings.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosure

cc: OME, Wash., D.C. (2)
Dir. RF
ACG RF
MP RF
Docket

HKStager:mkh

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MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
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		120
3/5	cas	220
		120M

AIRMAIL

Memorandum

To: Field Officer, Region II

MAR 5 1969

From: Acting Chief
Office of Minerals Exploration

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

Enclosed are two copies of a Report of Review issued January 1969.

If you concur in the facts in the report, the Operator should be sent its copy with appropriate comments. As evidence of your concurrence, two copies of your letter transmitting the Operator's copy of the report should be furnished this office. If for any reason you do not agree, both copies of the report should be returned to this office with your comments.

Harold Kirkemo (gla)

Harold Kirkemo

Enclosures

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Mr. Peterson

ECPeterson/bsl 3/4/69

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

January 31, 1969

OFFICIAL COPY
O. M. E.
RECEIVED
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Memorandum

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

From: Field Officer
Region II

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

Enclosed are the Government's copy and Budget and Finance's copy of Amendment No. 1 of the subject contract properly executed by the Operator.

Also enclosed is a supplemental voucher reclaiming the items disallowed on the original voucher for September and October 1969 but now allowable under the provisions of Amendment No. 1.

H. K. Stager

Enclosures

39052

FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

94239

OFFICIAL COPY
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120

SUPPLEMENTAL OPERATOR'S MONTHLY VOUCHER

For Month of SEPTEMBER & OCTOBER 1968

Docket No. OME- 6650
Contract 14-08-0001 2269
Contract Amount $ 20,000.
Gov't. Participation % 75 $ 15,000.

Operator's Name GEOMINERAL CORPORATION
Address SUITE 525, 417 S. HILL ST., LOS ANGELES, CALIF 90013

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
ITEMS AUTHORIZED BY AMENDMENT No. 1		$		$		$		$
Mobilization of Bulldozer	Job	37.00	Job	37.00	Job	37.00	Job	37.00
CEMENTING & REDRILLING	29½ hrs	737.50	29½ hrs	737.50	29½ HRS	737.50	29½ HRS	737.50
CEMENT & ADDITIVES	—	39.78	—	39.78	—	39.78	—	39.78
Transportation of Samples	—	12.70	—	12.70	—	12.70	—	12.70
Claimed and Paid on Original Voucher	0	0	—	8,652.00	0	0	—	8,652.00
TOTALS		$ 826.98		$ 9,478.98		$ 826.98		$ 9,478.98

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

Date Dec. 28, 1968 *Payee GEOMINERAL CORPORATION

Per William E. Roberts Title Vice President

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

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature H. H. Hager OME Field Officer 12-31-68 Date

(63) 14X0804

Approved for: $ 620.24
(SUBJECT TO AUDIT)

Signature mo

Date JAN 17 1969 Vou. No. 94239

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

93542

Geomineral Corp.
Suit 525, 417 S. Hill St.
Los. Angeles, Calif. 90013

10,066.95	1,414.95	8,652.00 6,489.00 Gov. Part.
	Docket # 6650 Contract #2269	Sept. & Oct. 1968

Disallowing mobilization of bulldozer not in contract	37.00
Claimed hourly rate of $22.00 - Contract allows $20.00 per hour for bulldozing.	6.00
Disallowed the following items - not in Contract:	
Ore sample transportion	12.70
Sealing Cement and plaster	39.78
Driller expense	737.50
Supervisor Expense	331.97
Contract allows 1-Supervisor at monthly rate - not at day rate.	250.00
	1,414.95

ms

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

December 27, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
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	120

Mr. William R. Roberts
Geomineral Corporation
11169 So. Chadsey Drive
Whittier, California 90604

Re: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract No. 2269

Dear Mr. Roberts:

Enclosed are the original and three copies of proposed Amendment No. 1 (three pages), to the subject contract, signed for the Government.

If the proposed amendment is satisfactory to you, all four copies should be signed by an authorized representative of Geomineral Corporation and the Government's copy, Budget and Finance's copy, and Field Office's copy returned to this office. The Operator's copy should be retained for your files.

As I discussed with you on the telephone, on December 26, when this Amendment is executed you may submit a supplemental voucher to reclaim part of the items disallowed on your September and October 1968 voucher. The original of the Administrative Suspension Statement showing these disallowed items should be included. If you have any questions please call me.

Sincerely yours,

cc: Chief, OME, Wash., D.C.
Dir. RF
ACG RF
MP RF
Docket

HKStager:mkh

H. K. Stager
Field Officer
OME, Region II

Enclosures

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/18/68	Peterson	120
12/18/68	Kirkbowo	120
12/18	Lickgood	110
12/18	[illegible]	
12/23	Cal	220
		120M

DEC 23 1968

AIRMAIL

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

Enclosed are the original and three copies of proposed Amendment No. 1 (three pages), to the subject contract, signed for the Government. An extra copy of the amendment is also enclosed for field use.

If the proposed amendment is satisfactory to you and the Operator, all four copies should be signed by an duly authorized representative and distributed in the usual manner.

If any part of the proposed amendment does not have your approval or that of the Operator, the original and all copies are to be returned to this office together with the proposed changes for consideration.

FRANK E. JOHNSON (gla)

Frank E. Johnson

Enclosures

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
~~XXXXXX~~ 130
Mr. Peterson

BSLong/1 12/18/68

Recd. 12/5/68 with Ops's final voucher + report

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

December 3, 1968

Memorandum

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

From: Field Officer
Region II

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

The Operator's Monthly Voucher for September-October, 1968, which covers the entire completed project, has been reviewed. Recommended allowances and disallowances are based on the following interpretations of the contract:

Article 6 (a) (1) limits allowable costs to those actual costs listed in Exhibit A by categories. It does not limit allowable costs to the items listed. Since Exhibit A is only an estimate, and since the intent of the long form contract is to participate in actual costs, the omission of an item is analogous to underestimating a unit cost. Where no maximums are specified, both the items and the costs are flexible.

In Category (1), the items are not maximums. Accordingly, two hours of mobilization for bulldozer ($37.00) and 29½ hours standby for drill (specified in bid but not in Exhibit A), are allowable. Disallowed is $6.00 for bulldozing as the contract specifies $20 per hour.

In Category (2) all elements are maximums. Hence all of supervisor's expenses, and that portion of supervisor's salary that exceeds $750.00/month, are disallowed. Only one-third month is allowed ($250.00).

In Category (7) there are no maximums. Therefore, assaying at $4.68/sample is allowable. Similarly, transportation of samples and costs of sealing cement and plaster (purchased by supervisor) are allowable.

I recommend that the voucher be approved as noted thereon, that the accompanying report be accepted as the Operator's Final Report, that the project not be certified, and that a final cost audit of this voucher as approved be requested.

H. K. Stager

Enclosures

FORM 9-1648
MARCH 1968

OFFICIAL COPY O. M. E. RECEIVED DEC 13 1968 INITIALS CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

OPERATOR'S MONTHLY VOUCHER

For Month of SEPTEMBER & OCTOBER 1968

Docket No. OME- 6650
Contract 14-08-0001 2269
Contract Amount $ 20,000.
Gov't. Participation % 75 $ 15,000.

Operator's Name GEOMINERAL CORPORATION
Address SUITE 525, 417 S. Hill St., Los Angeles, Calif. 90013

COST ITEMS (FROM EXHIBIT A)	FOR OPERATOR'S USE: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS	FOR GOVERNMENT USE ONLY: THIS MONTH UNITS	THIS MONTH COSTS	TO DATE UNITS	TO DATE COSTS
Bulldozing Roads & Sites	5 hrs.	$ 103.00	5 hrs.	$ 103.00	3 hrs ~~5 HRS~~	$ 60.00 ~~97.00~~	3 hrs ~~5 HRS~~	$ 60.00 ~~97.00~~ 1/
Mobilization Drill rig	JOB	300.00	JOB	300.00	JOB	300.00	JOB	300.00
Drilling	1000 FT	7,000.00	1000 FT.	7,000.00	1,000'	7,000.00	1,000'	7,000.00
Reaming & Setting Casing	30 FT.	90.00	30 FT	90.00	30'	90.00	30'	90.00
Drilling Supplies and other related costs:								
Ore Sample Transportation	JOB	12.70	JOB	12.70	JOB	~~12.70~~	JOB	~~12.70~~ 2/
Sealing Cement & Plaster	JOB	39.78	JOB	39.78	JOB	~~39.78~~	JOB	~~39.78~~ 2/
Driller's Expenses for Cementing	29½ hrs	737.50	29½ hrs	737.50	29½ HRS	~~737.50~~	29½ HRS	~~737.50~~ 2/
Supervisor Salary								
J. C. Chambers	8 days	400.00	8 days	400.00	⅓ Mo.	250.00	⅓ Mo.	250.00 3/
W. F. Roberts	2 days	100.00	2 days	100.00				
Supervisor Expenses								
J. C. Chambers	JOB	262.91	JOB	262.91	0	0	0	0 3/
W. F. Roberts	JOB	69.06	JOB	69.06	0	0	0	0 3/
Office Expenses	1 mo	50.00	1 mo.	50.00	1 Mo.	50.00	1 Mo.	50.00
Assays	193 Sple.	902.00	193 Sple	902.00	193	902.00	193	902.00
						8,652.00		8,652.00
TOTALS		$10,066.95		$10,066.95		$ ~~9,478.98~~		$ 9,478.98

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

Date Nov. 10 1968 *Payee GEOMINERAL CORPORATION

Per Herbert F. Roberts Title Vice President

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

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature [illegible] OME Field Officer Date 12-3-68

(63) 14X0804

Approved for: $ 6489.80 (SUBJECT TO AUDIT)

Signature [illegible] DEC 13 1968

Date _____ Vou. No. 93542

(SEE OTHER SIDE)

FOR OPERATOR'S USE	FOR GOVERNMENT USE
REMARKS	REMARKS
Certain items per sub category exceed allowable, but our total costs are less than the total monies allocated to Stage I of this project. We hope this fact is taken into consideration when figuring the Government's contribution to the project.	* See attached memorandum. 1) Disallowed mobilization of bulldozer ($3700) - not in contract. Also disallowed $600 - as contract rate for bulldozer is $20.00/hr instead of $22.00/hr shown by Operator 2) Disallowed - not in contract. 3) Contract allows for 1-Supervisor at a monthly rate - not by the day. Disallowed $581.97. Contract does not allow expenses for the Supervisor. An Amendment will be prepared to allow the Operator to be paid for mobilization of bulldozer, cementing and redrilling additives, and transportation of samples which are considered necessary cost items. Edward Peters

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee:

Geomineral Corp.
Suit 525, 417 S. Hill St.
Los. Angeles, Calif. 90013

Amount Claimed:	Differences (Explained Below)	Amount Payable
10,066.95	1,414.95	8,652.00 6,489.00 Gov. Part.
Dr. Voucher No.	Payee's Invoice No.	Period
	Docket # 6650 Contract #2269	Sept. & Oct. 1968

EXPLANATION

Disallowing mobilization of bulldozer not in contract	37.00
Claimed hourly rate of $22.00 - Contract allows $20.00 per hour for bulldozing.	6.00
Disallowed the following items - not in Contract:	
Ore sample transportion	12.70
Sealing Cement and plaster	39.78
Driller expense	737.50
Supervisor Expense	331.97
Contract allows 1-Supervisor at monthly rate - not at day rate.	250.00
	1,414.95

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

ms

Treasury Department

INVOICE

Exploratory Drilling By Reverse Air Vacuum

Down The Hole Hammer
100% Visual Sample Recovery

J.D. CHAFFIN
DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

SOLD TO: Westinghouse Corp.
Attn: 525 Broadway Terminal Bldg.
417 South Hill Street
Los Angeles, Calif. 90013

DATE Sept. 22, 1973

YOUR ORDER NO. Per Contract

JOB NO. Barstow, California

TERMS: Upon Receipt

OUR INVOICE NO. 237

Move in, site from Los Angeles to Barstow Drill site (Flat)	150.00
	150.00
685 feet of drilling @ $7.00 per foot	4,795.00
30 feet of reaming & setting @ 30 feet of casing @ $3.00	90.00
	$ 5,035.00

INTEREST WILL BE CHARGED ON PAST DUE ACCOUNTS

INVOICE

Exploratory Drilling By Reverse Air, Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN
DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

SOLD TO: [illegible]
[illegible] 333 [illegible] Terminal [illegible]
617 South Hill [illegible]
Los Angeles California 90013

DATE 10/2/[illegible]

YOUR ORDER NO. Per Contract

JOB NO. Lakeview California.

TERMS: Upon Receipt

OUR INVOICE NO. 23

313 ft, Drilling @ 7.00 per foot	2,231.00
20 & hours standby time for cementing and re drilling hole. @ 39.00 per hour	737.50
	2,962.50
Move rig from Palisades to Los Angeles	150.00
	3,112.50

INTEREST WILL BE CHARGED ON PAST DUE ACCOUNTS

LOS ANGELES CALIF. Oct. 1/68 19

M Geo-Minerals Corp.

417 S. Hill St., Los Angeles, Calif.

The EISENHAUER LABORATORIES

ASSAYERS--METALLURGISTS--CHEMISTS

320-322 SOUTH SAN PEDRO STREET
Los Angeles, Calif. 90013

Accounts payable—30 Days

Order No.

9/23/68- 33 gold-silver assays-		$ 165.00
9/24/68- 34 " " "		170.00
9/25/68- 47 " " "		235.00
9/26/68- 12 " " "		60.00
126 samples submitted		
	Sept. total	$ 630.00
	less 10%	63.00
	Total now due	$ 567.00

Phone MAdison 2-9328

STATEMENT

ORE TESTING

LOS ANGELES CALIF. Oct. 8/68 19

M Geo-Minerals Corp.

Subway Terminal Bldg, Los Angeles, Calif.

The EISENHAUER LABORATORIES

ASSAYERS--METALLURGISTS--CHEMISTS

320-322 SOUTH SAN PEDRO STREET
Los Angeles, Calif. 90013

Accounts payable—30 Days

Order No.

10/3/68- 33 gold-silver assays-	$ 165.00
10/4/68- 31 gold-silver assays-	155.00
64 samples submitted-	$ 320.00

As total amount of samples submitted is under 100 during a 30-day period, no discount is allowable on the above statement.

10/24/68

LOS ANGELES CALIF. Oct. 11/68 19

M Geo Minerals Corp.

417 S. Hill St., Los Angeles, Calif.

The EISENHAUER LABORATORIES

ASSAYERS--METALLURGISTS--CHEMISTS

320-322 SOUTH SAN PEDRO STREET

Los Angeles, Calif. 90013

Accounts payable—30 Days

Order No.

10/11/68- 3 gold-silver assays- $ 15.00

Pd. 10/24/68

EXPENSE ACCOUNT

9/16/68

Room at Minn.-Iowa Motel (7 days)	$ 36.75
Items Purchased	2.98
3 packets of tags	
2 packets address tags	
2 fiber point pens	
1 compass	
2"Ø balls - 3	.95
2 rolls masking tape	.69
1 Phone call - Bill Roberts	2.05
1 Lunch	1.05
1 Supper	4.20

9/17/68

Breakfast	.67
Lunch	.89
Supper	4.35
4 Balls - 1-3/4"Ø)	
1 Marking pen)	2.71
Paste)	
Notebook)	
3 sacks Regular Cement	3.65
3 sacks Casting Plaster	8.79
Tax	.62
Phone to Bill Roberts	3.65

13.06

9/18/68

Breakfast	.53
Lunch	1.25
Supper	5.10
Phone to Bill Roberts	1.85

9/19/68

Breakfast	.21
Lunch	1.15
Supper	3.95
2 Rolls Package Tape)	
3 Packets Marking Tags)	3.74
1 Book Parcel Tags)	
1 Marking Pen	.83

9/20/68

Lunch	1.15
Supper	4.10

9/21/68

Breakfast	.68

9/22/68

Supper	3.55

Gec

9/23/68

Breakfast	.58
Lunch	1.48
Supper	3.25
Phone to Bill Roberts	1.65
Phone to Stagger	4.10

9/24/68

Breakfast	.55
Lunch	.63
Supper	3.95

9/25/68

Breakfast	.65
Lunch	.48

9/26/68

Lunch	.55
Supper	4.25

9/27/68

Breakfast	1.15
Lunch	.55
Room at Minn.-Iowa Motel (7 days)	36.75
8 Sacks Casting Plaster (2.10))	26.72
3 Sacks Regular Cement (1.55))	
Total Car Mileage - 827 miles	82.70

Total to Date ------- $ 272.08

39.78

232.30

30.61 - exp. 9/30 & 10/1

262.91

26.72

13.06 - 9/17

39.78

J. C. Chambers

Sept 27/68

EXPENSE ACCOUNT

Sept. 30, 1968

Lunch	$ .75
Supper	3.80

Oct. 1, 1968

Breakfast	1.31
Lunch	1.35
Room, 1 night	5.00
Mileage - 184 miles	18.40
Trucking - 3 boxes - 9/19/68	6.35
Trucking - 3 boxes - 10/1/68	6.35

12.70

Total ------ $43.31

12.70

$30.61

J. E. [illegible]
Oct 10, 1968

EXPENSE ACCOUNT for Wm. F. ROBERTS

Sept. 20, 1968

Room at Desert Inn Motel	----------	$ 8.32
Dinner	----------	2.35

Sept. 21, 1968

Breakfast	----------	1.20
Lunch	----------	.90
Dinner	----------	2.90
Room at Desert Inn Motel	----------	8.32

Sept. 22, 1968

Breakfast	----------	1.20
Lunch	----------	1.69
Dinner	----------	1.58
Total Car Mileage - 406 miles	----------	40.60
Total for period Sept. 20-22	----------	$ 69.06

William F. Roberts

Pay to J. C. Chambers -- $400.00

For supervisory service at drill site
near Barstow Calif. from Sept. 23 to Oct. 2, 1968

J. C. Chambers
Oct 10, 1968

Approved by
10/14/68

Check received Oct 26/68
$400.00
J. C. Chambers

Pay to William F. Roberts ---- $100.00

For supervisory service at drill site
near Barstow, Calif., Sept. 20-22, 1968

Approved by Lucille F. Corby Treas

Check rec'd. Nov 7, 1968
$100.00

W F Roberts

RENT MUST BE PAID IN ADVANCE

Date Sept 16 19 68 4155

Received From James G. Chambers

Thirty Six and 75/100 (36.75) Dollars $ 36.75

For Rent of Unit 4 Mark-Joan Motel

From Sept 16 To Sept 23

HOW PAID		
CASH		
CHECK	✓	
MONEY ORDER		

By [illegible]

8K807 Rediform

DON MITCHELL & SONS
34826 Valley
BARSTOW, CALIFORNIA 92311

CLinton 6-3208

INVOICE

№ 1234

TO

GEOMINERAL CORP.
SUITE 525 SUBWAY TERM BLDG.
417 S. HILL ST.
LOS ANGELES, CALIF. 90013

DATE 1 Sept 68
CUSTOMER ORDER NO.
SALESMAN
VIA

TERMS:

QUANTITY	DESCRIPTION	PRICE	AMOUNT
3 hrs	W-6-C @	22.00	66 00
2 hrs	transportation @	18.50	37 00
			103 00

Pd. ck. #2 9/27/68 $103.00

ORIGINAL

Thank You!

Terminals: LOS ANGELES
PHONE 231-9265

COPY

SAN BERNARDINO VICTORVILLE BARSTOW

7

VICTORVILLE—BARSTOW—TRUCK LINE

2030 ROSS STREET, LOS ANGELES, CALIFORNIA 90058

1-991241

CONSIGNEE ◦ EISENHOWER LABORATORIES 316-22 SOUTH SAN PEDRO LOS ANGELES

SHIPPER ◦

LOS ANGELES, CALIF. JC CHAMBERS BARSTOW DOCK DATE 10 2 68

NO. PCS.	DESCRIPTION	WEIGHT	RATE	PREPAID	COLLECT
	3 CTN ORE SAMPL	161	M	6.35	
	PPD CHG J C CHAMBERS 2045 NO SINALOA ALTADENA CAL				
	PAY DIRECT TO TRANSIT CLEARINGS P.O. BOX 1 TERMINAL ANNEX LOS ANGELES, CALIF. 90054				
	OCT 4 1968				
	PAID AS ADVISED BY:				

Paid Oct 10/68 check 49 JCB

BILLS PAYABLE WITHIN SEVEN DAYS FROM PRESENTATION BY ORDERS OF I.C.C. AND CALIF. P.U.C.

DELIVERED BY ⓘ DATE / / RECEIVED IN GOOD ORDER SHOW COMPLETE COMPANY NAME & SIGNATURE

COMPANY _____ DATE _____

BY

Terminals:-LOS ANGELES
PHONE 231-9265

COPY

SAN BERNARDINO VICTORVILLE BARSTOW

7

VICTORVILLE—BARSTOW—TRUCK LINE

2030 ROSS STREET, LOS ANGELES, CALIFORNIA 90058

1-987699

CONSIGNEE ◦ EISENHOWER LABS-312-22 SO SAN PEDRO LOS ANGELES

SHIPPER ◦

LOS ANGELES, CALIF. GEOSTELS DATE BARSTOW DOCK 9 20 68

NO. PCS.	DESCRIPTION	WEIGHT	RATE	PREPAID	COLLECT
	3 CTN ROCK SAMPL	164	M	6.35	

Paid E.E.J.

BILLS PAYABLE WITHIN SEVEN DAYS FROM PRESENTATION BY ORDERS OF I.C.C. AND CALIF. P.U.C.

DELIVERED BY ⓘ DATE / / RECEIVED IN GOOD ORDER SHOW COMPLETE COMPANY NAME & SIGNATURE

COMPANY _____ DATE _____

BY

Phones: CL. 6-5918
CL. 6-2295

BARSTOW, CALIF. 92311

705 E. Main St.
P. O. Box 518

NOTICE:
OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIALS WHERE CUSTOMER DESIGNATES, BUT COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE OF CURB OR PROPERTY LINE.

Hayward
Lumber & Investment Company

Driver licence # V703355

Date 9-27 19 68

Sold to James C. Chambers

Your Order No.

Mail Address 2045 North Senaloa

City Altadena Calif

Job Address

PIECES	SIZE	LENGTH	DESCRIPTION	FEET	FEET	PRICE	AMOUNT	
8	Sacks		Casting Plaster			2.10	16	80
3	Sacks		Reg Cement			1.55	4	65
	check # 732							
	B of A 90-1057							

Total Merchandise	21	45
Cartage	4	00
TOTAL	25	45
State Tax	1	27
Transportation Tax		
TOTAL	26	72

PAID 2

LDG. CARD NO.

Time of Delivery

Driver's Signature

CHARGE NO. 34332

Received By

Check this list with material delivered as no claim allowed after three days.

INVOICE

Phones: CL. 6-5918
CL. 6-2295

BARSTOW, CALIF. 92311

705 E. Main St.
P. O. Box 518

NOTICE:
OUR DRIVERS WILL MAKE EVERY EFFORT TO PLACE MATERIALS WHERE CUSTOMER DESIGNATES, BUT COMPANY ASSUMES NO RESPONSIBILITY FOR DAMAGES INSIDE OF CURB OR PROPERTY LINE.

Hayward
Lumber & Investment Company

Date 17 Sept 19 66

Sold to _____ Your Order No. _____

Mail Address _____

City _____

Job Address _____

PIECES	SIZE	LENGTH	DESCRIPTION	FEET	FEET	PRICE	AMOUNT	
3	4 by		Reg Cement			12	36	00
3	—		Curling Blocks				8	79
							12	44
			Total Merchandise					
			Cartage					
			TOTAL				12	44
DG. CARD NO.			State Tax					62
			Transportation Tax					
			TOTAL				13	06

Time of Delivery _____

Driver's Signature _____

CHARGE NO. 33134

Received By _____

Check this list with material delivered as no claim allowed after three days.

DELIVERY MEMO

November 8, 1968

Geomineral Corporation
525 Subway Terminal Bldg.
417 South Hill Street
Los Angeles, California 90013

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

ATTENTION: Mr. J. K. Stager
Field Engineer

SUBJECT: Exploration Contract 2269, Dochet OME-6650
Submittal of Voucher and Reports for Stage I

ENCLOSURES:
1. Operator's Voucher for costs for work performed during Stage I of Contract.
2. Operator's Report of all work performed during Stage I, dated October 25, 1968.
3. Operator's Letter of October 26, 1968 requesting permission to dispose of split samples.

Gentlemen:

Enclosures 1 and 2 are the voucher and report for Stage I of Contract 2269. The work performed constituted the entire activity of Geomineral Corporation during the past three months. Records of Geomineral Corporation are available for any audit the Government may desire.

At a conference in Barstow, California, on October 12, 1968, among Mr. Kirkemo and Mr. Stager of OME, and Mr. Armstrong and Mr. Roberts of Geomineral Corporation, in which the operation was discussed and the assay results reviewed, it was agreed that the negative results of exploration to date did not warrant the continuation into Stage II of the Contract. Accordingly, it is requested that the enclosures be accepted as fulfillment of the Operator's obligations under Article 5 (Reports) of the Contract. No ore sales can be foreseen as no commercial ore was discovered, and the Operator does not anticipate further exploration on these claims.

By enclosure 3, Operator requests permission to dispose of stored splits of samples for which the Contract requires prior Government approval. These samples are currently in storage in Pasadena, California.

OPERATOR'S FINAL REPT.

We regret that this exploration has not yielded even any encouragement for further exploration at these mining claims and further that it does not yield any concrete data on the effectiveness of the mercury-halo analysis in the discovery of silver-bearing ores. The support of the Office of Mineral Exploration in this venture is greatly appreciated, and it is hoped that the information in the Operator's report is useful in future assessments of geological exploration possibilities.

It is understood that this submission fulfills all obligations of Geomineral Corporation under Contract 2269. If further information is required, please advise us.

Very truly yours

GEOMINERAL CORPORATION

William F. Roberts

Vice President

WFR:mp

October 28, 1968

Geomineral Corporation
626 Subway Terminal Bldg.
417 South Hill Street
Los Angeles, California 90013

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

ATTENTION: Mr. H. K. Stager
Field Engineer

SUBJECT: Exploration Contract 2269, Docket OME-6650
Request for Permission to Dispose of Stored Splits of Samples

Gentlemen:

Stage I of Contract 2269 has been completed. Assays of the sample cuttings from the drill holes have been made; no gold or silver in commercial quantities were revealed by any of the assays. The assay reports were examined and the entire operation was discussed at a conference with Mr. Kirkemo and Mr. Stager of OME in Barstow, California, on October 12, and it was concluded that there was not sufficient justification to proceed to Stage II. Accordingly, permission is requested to dispose of the stored splits of cutting samples from the three drill holes completed in Stage I of Contract 2269.

Very truly yours,

GEOMINERAL CORPORATION

President

bjd

Los Angeles, California
October 26, 1968

MONTHLY AND FINAL REPORT ON STAGE I

Work on CARL Claims, Under Docket OME-6650, Exploration Contract 2269 with Geomineral Corporation

The bulldozing of access roads and drill sites for exploration drilling for silver-bearing ore bodies on the CARL claims under USGS contract 2269, Docket OME-6650 was performed by September 1, 1968. The rotary drill and associated equipment were moved onto the site September 16, by the drilling contractor, J. D. Chaffin Drilling Company, Pacific Palisades. Drilling operations were performed from September 17 through October 1, being delayed by difficulties encountered in drilling through the overburden in Hole 3. The approximate hole locations are shown in Enclosure (1). The narrative report of Mr. J. C. Chamberz, on-site supervisor for Geomineral Corporation, is attached as Enclosure (2). Mineralization of the drill samples indicates the probable transverse of a fault zone at approximately 180 feet in Hole 1, but there were no distinguishing fault anomalies in Holes 2 and 3. Drill logs are attached as Enclosure (3).

Cuttings from the drill holes were accumulated for each 5 linear feet of hole and split to obtain 2 duplicate samples. One set of split samples was sent to The Eisenhower Laboratories, Los Angeles, and assayed for gold and silver. Copies of assay certificates are attached as Enclosure (4). Assays averaged less than 0.5 ounce per ton of silver in any hole with 2 individual peak determinations of slightly over 4 ounces per ton in Hole 3. Assays averaged very low on gold with a maximum individual determination of 0.06 ounce per ton in 2 individual samples. The higher assays on silver were repeated with material taken from the split samples at corresponding depths with the following results:

Sample Location	Silver Assay, Oz/Ton	
Hole 3	Sample 1	Sample 2
45-50 Feet	4.28	1.40
335-340 Feet	2.94	0.54
340-345 Feet	4.68	0.32

The inconsistency of the 2 sets of assays was verified by reruns of all 6 samples by the assayer; the above results were confirmed. The failure of the split samples to confirm the initial samples is judged to be caused by the rather low values and the probability that the first samples contained a random silver concentration not typical of the five-foot section from which they were taken. It should be noted that even the assays obtained in the first samples did not indicate the presence of a commercial ore body.

The plots of assay results and associated geological characteristics (from drill logs) on Enclosure (5) summarize the results of the exploration. They present in graphic form the lack of any commercial silver-bearing ore in any of the three holes that constitute Stage I of Contract 2269 (OME-6650). There is no indication of a correlation between the high levels of mercury contained in surface soil samples at this location and the presence of commercial silver-bearing ore at depths to 300 feet. Accordingly, it is not considered feasible to undertake further exploratory drilling at the present time.

ENCLOSURES:

(1) Approximate drill hole locations.
(2) Drilling Supervisor's Narrative Report.
(3) Drill Log (J. D. Chaffin Drilling Company).
(4) Assay Certificates (The Eisenhower Laboratories).
(5) Plots of Assay Results and Associated Geological Characteristics.

GEOMINERAL CORPORATION

By

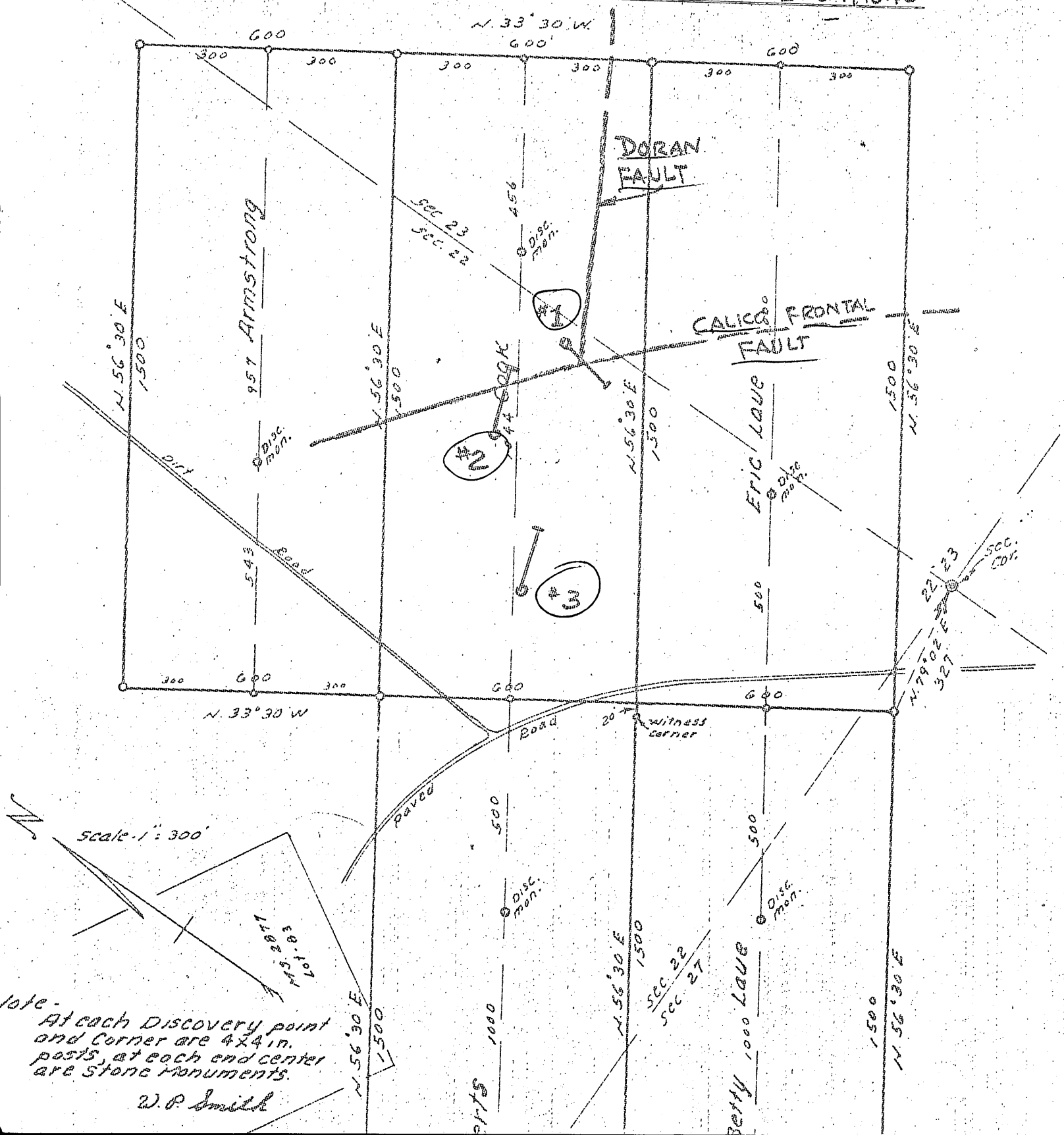
bjd

Eric Laue - Betty Laue
and Roberts Lode Claims
Situate in -
Sec. 22, 23, 27
T. 10 N., R. 1 E., SBM

Surveyed By - W. P. Smith
Mineral Surveyor

April - 13 - 1966
Job No. 6363

APPROXIMATE DRILL HOLE LOCATIONS



Note -
At each Discovery point and Corner are 4x4 in. posts, at each end center are Stone Monuments.

W. P. Smith

October 10, 1968

DRILLING REPORT ON THE COOK CLAIM

A rotary drilling rig and an air compressor were moved onto the job site by J. D. Chaffin, drilling contractor, on September 16, 1968. The drilling consists of a hydraulic powered drilling head which rotates a steel serated gringing head or a star drilling hammer. When drilling with the grinding head a vacuum pump sucks up all the cuttings from the face of the hole through the inside of the drill rod. This is then collected in a glass cylinder which is dumped into a sampling bucket.

When drilling with the star hammer, air for the hammer is forced down the inside of the drill rod. The vacuum pump sucks the cuttings up the hole outside the drill rod. Cuttings are again collected in the glass cylinder.

Hole No. 1 was drilled on the Cook claim at 0700 September 17, about 15 ft. north northeast of an exploration pit called Anvil Pit. The strike of the hole was 55° from horizontal due south.

There was 10 ft. of overburden and no samples were taken. From 10 ft. to 125 ft. the cuttings were soft and damp. Type of rock was hard to tell because of the very fine condition of the cuttings. However, samples varied from red to white, which appeared to be volcanic tuf.

At 125 ft. drilling became so hard that the bit was pulled and hammer drilling was started. Samples were gray appearing the same type of rock outcropping in the open pit.

At 220 ft. some water was hit and drilling switched from hammer to bit drilling. The hole was completed to 300 ft. at 0200 on September 19.

Hole No. 2 was started on September 19 at 60° from the horizontal at 70° east. Hole was located north of and as close to the selected drill site as the terrain would allow.

After about 5 ft. of overburden, the drilling became so hard the hammer was required to 20 ft. At that depth bit drilling was resumed. Hard areas occurred at 50 to 55 ft. and again at 80 to 90 ft. The hole became very damp from 200 to 350 ft. The hole was completed to 350 ft. on September 21 at 1400.

Hole No. 3 was started September 21 at 1400. It was located on a pre-prepared pad in the area designated by Government request.

Heavy overburden was encountered for 30 ft. Rock very hard was encountered from 30 to 40 ft. Caving started and the drill bit twisted off. Drilling was stopped and fishing operation started. Hole was abandoned.

Second hole started and drilled to 90 ft. At that point the drill rod broke, leaving the bit and three lengths of drill pipe in the hole.

A new hole was started but time was lost with troublesome overburden. Urilling and reaming worked the casing down to 35 ft. where a rock or shelf prevented any more casing. After advancing the hole to 75 ft. through hard drilling, the bit was pulled for hammer drilling, but the hole caved and cementing was required. The hole was drilled out. Hole was cemented up from the 90 ft mark to 35 ft. from the top. Work was shut down for the cement to set.

On September 30 drilling was started again and the ground was hard except from 140 to 170 ft. No. 3 hole was completed on October 1 at 1400 and the rig was moved off the property.

Submitted by:

James C. Chambers

James C. Chambers

316-322 South San Pedro Street
Los Angeles, California 90013

ED. EISENHAUER JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND
All members of American Institute of Mining, Metallurgical, and Petroleum Engineers

ASSAY CERTIFICATE

PHONE 622-9828

Los Angeles, Calif. Sept. 23/68 19

I hereby Certify that the samples described below, received from

Geo-Minerals Corp. assay as follows:

Owner's Mark and Sample	GOLD OZS. PER TON	GOLD VALUE PER TON	SILVER OZS. PER TON	SILVER VALUE PER TON	TOTAL VALUE PER TON	PERCENTAGE OF COPPER	LEAD	ZINC
Hole #1, 10-15'	.015	$ .53	.18	$ .36	$ .89			
" , 15-20	.03	$ 1.05	.13	$ .26	$ 1.31			
" , 20-25	.04	$ 1.40	.15	$ .30	$ 1.70			
" , 25-30	.04	$ 1.40	.28	$ .56	$ 1.96			
" , 30-35	.04	$ 1.40	.16	$ .32	$ 1.72			
" , 35-40	.01	$ .35	.34	$ .68	$ 1.03			
" , 40-45	.015	$ .53	.40	$ .80	$ 1.13			
" , 45-50	.01	$ .35	.24	$ .48	$ .83			
" , 50-55	.025	$ .88	.22	$ .44	$ 1.32			
" , 55-60	.02	$ .70	.38	$ .76	$ 1.46			
" , 60-65	.02	$ .70	.44	$ .88	$ 1.58			
" , 65-70	.01	$ .35	.72	$ 1.44	$ 1.79			
" , 70-75	.01	$ .35	.24	$ .48	$ .83			
" , 75-80	.01	$ .35	.26	$ .52	$ .87			
" , 80-85	.015	$ .53	.24	$ .48	$ 1.01			
" , 120-125	trace		.68	$ 1.36	$ 1.36			
" , 125-130	trace		.46	$ .92	$ .92			
" , 130-135	.01	$ .35	.44	$ .88	$ 1.23			
" , 135-140	trace		.70	$ 1.40	$ 1.40			
" , 140-145	trace		.78	$ 1.56	$ 1.56			
" , 145-150	.01	$ .35	.58	$ 1.16	$ 1.51			
" , 150-155	.005	$ .18	.60	$ 1.20	$ 1.38			
" , 155-160	.005	$ .18	.50	$ 1.00	$ 1.18			
" , 160-165	trace		.48	$ .96	$ .96			
" , 165-170	.02	$ .70	.30	$ .60	$ 1.30			
" , 170-175	.04	$ 1.40	.10	$ .20	$ 1.60			
" , 175-180	.03	$ 1.05	.12	$ .24	$ 1.29			
" , 180=185	.025	$ .88	.14	$ .28	$ 1.16			
" , 185-190	.02	$ .70	.15	$ .30	$ 1.00			
" , 190-195	.025	$ .88	.18	$ .36	$ 1.24			
" , 195-200	.02	$ .70	.16	$ .32	$ 1.02			
" , 200-205	.015	$ .53	.17	$ .34	$ .87			
" , 205=210	.06	$ 2.10	.12	$ .24	$ 2.34			

GOLD @ $ 35 PER OZ.
SILVER @ $ 2.00 PER OZ.
LEAD @ ____ c.
COPPER @ ____ c.

CHARGES ____

C. Eisenhauer Raymond
ASSAYER

Established 1916

[illegible] Street
Los Angeles, California 90013

ED. EISENHAUER JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND
All members of American Institute of Mining, Metallurgical, and Petroleum Engineers

[illegible] CERTIFICATE

PHONE 622-[illegible]

Los Angeles, Calif. Sept. 24/68 19

I hereby Certify that the samples described below, received from

Geo-Minerals Corp. assay as follows:

Owner's Mark and Sample	GOLD OZS. PER TON	GOLD VALUE PER TON	SILVER OZS. PER TON	SILVER VALUE PER TON	TOTAL VALUE PER TON	PERCENTAGE OF COPPER	LEAD	ZINC
Hole #1, 85-90	.01	$ .35	.54	$ 1.08	$ 1.43			
" , 90-95	trace		.36	$ .72	$ .72			
" , 95-100	trace		.28	$ .56	$ .56			
" , 100-105	.005	$ .18	.56	$ 1.12	$ 1.30			
" , 105-110	trace		.60	$ 1.20	$ 1.20			
" , 110-115	trace		.46	$ .92	$ .92			
" , 115-120	.005	$ .18	.58	$ 1.16	$ 1.34			
" , 210-215	.005	$ .18	.60	$ 1.20	$ 1.38			
" , 215-220	.01	$ .35	.64	$ 1.28	$ 1.63			
" , 220-225	trace		1.04	$ 2.08	$ 2.08			
" , 225-230	trace		.54	$ 1.08	$ 1.08			
" , 230=235	.005	$ .18	.32	$ .64	$ .82			
" , 235-240	.025	$ .88	.50	$ 1.00	$ 1.88			
" , 240=245	.005	$ .18	.30	$ .60	$ .78			
" , 245-250	trace		.32	$ .64	$ .64			
" , 250-255	.01	$ .35	.31	$ .62	$ .97			
" , 255-260	trace		.34	$ .68	$ .68			
" k , 260-265	trace		trace		----			
" , 265-270	trace		.18	$ .36	$ .36			
" , 270-275	nil		.36	$ .72	$ .72			
" , 275-280	trace		.48	$ .96	$ .96			
" , 280-285	trace		.47	$ .94	$ .94			
" , 285-290	.005	$ .18	.70	$ 1.40	$ 1.58			
" , 290-295	trace		.52	$ 1.04	$ 1.04			
Hole #2, 125-130	.03	$ 1.05	.52	$ 1.04	$ 2.09			
" , 130-135	.025	$ .88	.40	$ .80	$ 1.68			
" , 135-140	.015	$ .53	.38	$ .76	$ 1.29			
" , 140=145	.03	$ 1.05	.28	$ .56	$ 1.61			
" , 145-150	.025	$ .88	.13	$ .26	$ 1.14			
" , 150=155	.04	$ 1.40	.64	$ 1.28	$ 2.68			
" , 155-160	.02	$ .70	1.00	$ 2.00	$ 2.70			
" , 165-170	.025	$ .88	.52	$ 1.04	$ 1.92			
" , 170=175	.01	$ .35	.50	$ 1.00	$ 1.35			
" , 175-180	.02	$ .70	.49	$ .98	$ 1.68			

GOLD @$ 35 PER OZ.
SILVER @ $ 2.00 PER OZ.
LEAD @ ____ c.
COPPER @ ____ c.

CHARGES ____

C. Eisenhauer Raymond
ASSAYER

Established 1916

Los Angeles, California 90013

ED. EISENHAUER JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND
All members of American Institute of Mining, Metallurgical, and Petroleum Engineers

PHONE 622-9[illegible]

[illegible] CERTIFICATE

Los Angeles, Calif. Sept. 25/68 19

I hereby Certify that the samples described below, received from

Geo-Minerals Corp. assay as follows:

Owner's Mark and Sample	GOLD		SILVER		TOTAL VALUE PER TON	PERCENTAGE OF		
	OZS. PER TON	VALUE PER TON	OZS. PER TON	VALUE PER TON		COPPER	LEAD	ZINC
Hole 1, 295-300	trace		.70	$ 1.40	$ 1.40			
Hole 2, 5-10	.015	$ .53	1.10	$ 2.20	$ 2.73			
" , 10-15	trace		.50	$ 1.00	$ 1.00			
" , 15-20	trace		.38	$ .76	$ .76			
" , 20-25	trace		.36	$ .72	$ .72			
" , 25-30	trace		.37	$ .74	$ .74			
" , 30-35	.01	$ .35	.60	$ 1.20	$ 1.55			
" , 35-40	.005	$ .18	.54	$ 1.08	$ 1.26			
" , 40-45	.005	$ .18	.42	$ .84	$ 1.02			
" , 45-50	trace		.24	$ .48	$ .48			
" , 50-55	trace		.48	$ .96	$ .96			
" , 55-60	.005	$ .18	.46	$ .92	$ 1.10			
" , 60-65	trace		.12	$ .24	$ .24			
" , 65-70	.01	$ .35	1.00	$ 2.00	$ 2.35			
" , 70-75	trace		.14	$ .28	$ .28			
" , 75-80	trace		.28	$ .56	$ .56			
" , 80-85	.005	$ .18	.72	$ 1.44	$ 1.62			
" , 85-90	trace		.48	$ .96	$ .96			
" , 90-95	.01	$ .35	.44	$ .88	$ 1.23			
" , 95-100	.005	$ .18	.28	$ .56	$ .74			
" , 100-105	trace		.60	$ 1.20	$ 1.20			
" , 105-110	trace		.52	$ 1.04	$ 1.04			
" , 110-115	trace		.51	$ 1.02	$ 1.02			
" , 115-120	.005	$ .18	.46	$ .92	$ 1.10			
" , 120=125	.005	$ .18	.30	$ .60	$ .78			
" , 160-165	.01	$ .35	.08	$ .16	$ .51			
" , 180-185	.015	$ .53	.10	$ .20	$ .73			
" , 185-190	.02	$ .70	.60	$ 1.20	$ 1.90			
" , 190-195	.005	$ .18	.24	$ .48	$ .66			
" , 195-200	.005	$ .18	.40	$ .80	$ .98			
" , 200-205	trace		.64	$ 1.28	$ 1.28			
" , 205-210	.005	$ .18	.36	$ .72	$ .90			
" , 210-215	.01	$ .35	.32	$ .64	$ .99			
" , 215-220	.01	$ .35	.12	$ .24	$ .59			
" , 220-225	.035	$ 1.23	.34	$ .68	$ 1.91			
" , 225-230	.01	$ .35	.28	$ .56	$ .91			
" , 235-240	.005	$ .18	.44	$ .88	$ 1.06			
" , 240-245	trace		.46	$ .92	$ .92			
" , 245-250	trace		.43	$ .86	$ .86			
" , 250-255	trace		.40	$ .80	$ .80			
" , 255-260	.005	$ .18	.32	$ .64	$ .82			
" , 260-265	trace		.26	$ .52	$ .52			
" , 265-270	trace		.58	$ 1.16	$ 1.16			
" , 270-275	.01	$ .35	.56	$ 1.12	$ 1.47			
" , 275-280	trace		.38	$ .76	$ .76			
" , 280-285	.01	$ .35	.48	$ .96	$ 1.31			
" , 285-290	trace		.24	$ .48	$ .48			

GOLD @ $35 PER OZ.
SILVER @ $2.00 PER OZ.
LEAD @ ____ c.
COPPER @ ____ c.

CHARGES ____

Ed Eisenhauer Jr.
ASSAYER

Established 1916

THE EISENHAUER LABORATORIES
316-322 South San Pedro Street
Los Angeles, California 90013

ED. EISENHAUER JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND
All members of American Institute of Mining, Metallurgical, and Petroleum Engineers

ASSAY CERTIFICATE

Los Angeles, Calif. Sept. 26/68 19

I hereby Certify that the samples described below, received from Geo-Minerals Corp. assay as follows:

Owner's Mark and Sample	Gold Ozs. per ton	Gold Value per ton	Silver Ozs. per ton	Silver Value per ton	Total Value per ton	Percentage of Copper	Percentage of Lead	Percentage of Zinc
Hole 2, 230-235	trace		.50	$ 1.00	$ 1.00			
" , 290-295	trace		.30	$ .60	$ .60			
" , 295-300	trace		.26	$ .52	$ .52			
" , 300-305	trace		.24	$ .48	$ .48			
" , 305-310	nil		.14	$ .28	$ .28			
" , 315-320	.01	$ .35	.36	$ .72	$ 1.07			
" , 320-325	trace		.25	$ .50	$ .50			
" , 325-330	trace		.30	$ .60	$ .60			
" , 330-335	trace		.38	$ .76	$ .76			
" , 335-340	trace		1.44	$ 2.88	$ 2.88			
" , 340-345	trace		.12	$ .24	$ .24			
" , 345-350	trace		.28	$ .56	$ .56			

GOLD @ $35 PER OZ.
SILVER @ $2.00 PER OZ.
LEAD @ ____ C.
COPPER @ ____ C.

CHARGES ____

C. Eisenhauer Raymond
ASSAYER

Established 1916

THE EISENHAUER LABORATORIES
316-322 South San Pedro Street
Los Angeles, California 90013

PHONE 622-9828

ED. EISENHAUER JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND
All members of American Institute of Mining, Metallurgical, and Petroleum Engineers

ASSAY CERTIFICATE

Los Angeles, Calif. Oct. 11/68 19

I hereby Certify that the samples described below, received from Geo-Minerals Corp. assay as follows:

Owner's Mark and Sample	Gold Ozs. per ton	Gold Value per ton	Silver Ozs. per ton	Silver Value per ton	Total Value per ton	Percentage of Copper	Percentage of Lead	Percentage of Zinc
Hole 3, 45-50	.04	$ 1.40	1.60	$ 3.20	$ 4.60			
" 335-340	.02	$ .70	.54	$ 1.08	$ 1.78			
" 340=345	.01	$ .35	.32	$ .64	$ .99			

GOLD @ $35 PER OZ.

C. Eisenhauer Raymond

316-322 South San Pedro Street
Los Angeles, California 90013

ED. EISENHAUER JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND
All members of American Institute of Mining, Metallurgical, and Petroleum Engineers

PHONE 622-6923

ASSAY CERTIFICATE

Los Angeles, Calif. Oct. 3/68 19

I hereby Certify that the samples described below, received from

Geo-Minerals Corp. assay as follows:

Owner's Mark and Sample	GOLD OZS. PER TON	GOLD VALUE PER TON	SILVER OZS. PER TON	SILVER VALUE PER TON	TOTAL VALUE PER TON	PERCENTAGE OF COPPER	LEAD	ZINC
Hole 3, 30-35	.02	$ .70	1.72	$ 3.44	$ 4.14			
" , 35-40	.01	$ .35	1.00	$ 2.00	$ 2.35			
" , 40-45	.025	$ .88	.50	$ 1.00	$ 1.88			
" , 45-50	.03	$ 1.05	4.28	$ 8.56	$ 9.61			
" , 50-55	.015	$ .53	.78	$ 1.56	$ 2.09			
" , 55-60	.01	$ .35	.86	$ 1.72	$ 2.07			
" , 60-65	.01	$ .35	.52	$ 1.04	$ 1.39			
" , 65-70	.005	$ .18	.88	$ 1.76	$ 1.94			
" , 70-75	.005	$ .18	.58	$ 1.16	$ 1.34			
" , 75-80	.005	$ .18	.48	$ .96	$ 1.14			
" , 125-130	trace		.76	$ 1.52	$ 1.52			
" , 130-135	trace		.48	$ .96	$ .96			
" , 135-140	trace		.30	$ .60	$ .60			
" , 140-145	.01	$ .35	.52	$ 1.04	$ 1.39			
" , 145-150	.025	$ .88	.60	$ 1.20	$ 2.08			
" , 150-155	.01	$ .35	.60	$ 1.20	$ 1.55			
" , 155-160	.02	$ .70	.64	$ 1.28	$ 1.98			
" , 160-165	.01	$ .35	.38	$ .76	$ 1.11			
" , 165-170	.005	$ .18	.34	$ .68	$ .86			
" , 170-175	.03	$ 1.05	.48	$ .96	$ 2.01			
" , 175-180	.01	$ .35	.42	$ .84	$ 1.19			
" , 180-185	.015	$ .53	.30	$ .60	$ 1.13			
" , 185-190	trace		.58	$ 1.16	$ 1.16			
" , 190-195	.01	$ .35	.40	$ .80	$ 1.15			
" , 195-200	.01	$ .35	.32	$ .64	$ .99			
" , 200-205	.005	$ .18	.40	$ .80	$ .98			
" , 205-210	trace		.68	$ 1.36	$ 1.36			
" , 210-215	trace		.46	$ .92	$ .92			
" , 215-220	.01	$ .35	.52	$ 1.04	$ 1.39			
" , 220-225	.03	$ 1.05	.54	$ 1.08	$ 1.13			
" , 225-230	.01	$ .35	.34	$ .68	$ 1.03			
" , 230-235	.02	$ .70	.82	$ 1.64	$ 2.34			
" , 235-240	trace		.92	$ 1.84	$ 1.84			

GOLD @ $ 35 PER OZ.
SILVER @ $ 2.00 PER OZ.
LEAD @ ____ c.
COPPER @ ____ c.

CHARGES ____

Ed Eisenhauer
ASSAYER

Established 1916

[illegible] South San Pedro Street
Los Angeles, California 90013

ED. EISENHAUER JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND
All members of American Institute of Mining, Metallurgical, and Petroleum Engineers

[illegible] CERTIFICATE

PHONE 622-[illegible]

Los Angeles, Calif. Oct. 4/68 19

I hereby Certify that the samples described below, received from

Geo-Minerals Corp. assay as follows:

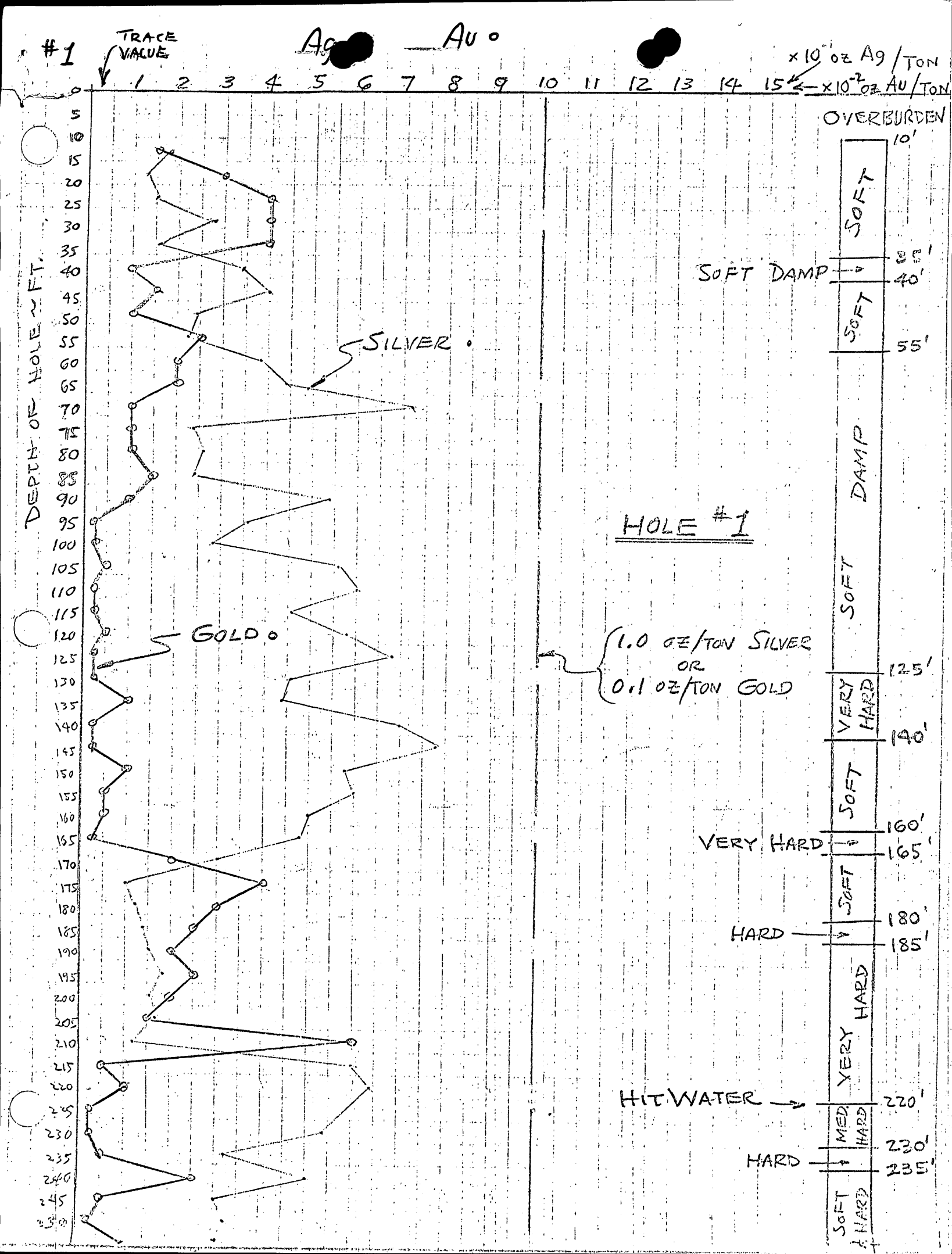
Owner's Mark and Sample	GOLD OZS. PER TON	GOLD VALUE PER TON	SILVER OZS. PER TON	SILVER VALUE PER TON	TOTAL VALUE PER TON	PERCENTAGE OF COPPER	PERCENTAGE OF LEAD	PERCENTAGE OF ZINC
Hole 3-80-85	.02	$ .70	.28	$ .56	$ 1.26			
" , 85-90	.01	$ .35	.20	$ .40	$ .75			
" , 90-95	.01	$ .35	.22	$ .44	$ .79			
" , 95-100	trace		.21	$ .42	$ .42			
" , 100-105	trace		.11	$ .22	$ .22			
" , 105-110	trace		.25	$ .50	$ .50			
" , 110-115	.005	$ .18	.12	$ .24	$ .42			
" , 115-120	.005	$ .18	.14	$ .28	$ .46			
" , 120-125	trace		.40	$ .80	$ .80			
" , 240-245	.015	$ .53	.60	$ 1.20	$ 1.73			
" , 245-250	.02	$ .70	.65	$ 1.30	$ 2.00			
" , 250-255	.03	$ 1.05	.68	$ 1.36	$ 2.41			
" , 255-260	.02	$ .70	.67	$ 1.34	$ 2.04			
" , 260-265	.04	$ 1.40	.94	$ 1.88	$ 3.28			
" , 265-270	.025	$ .88	1.34	$ 2.68	$ 3.56			
" , 270-275	.005	$ .18	.68	$ 1.36	$ 1.54			
" , 275-280	.01	$ .35	.64	$ 1.28	$ 1.63			
" , 280-285	.005	$ .18	.88	$ 1.76	$ 1.94			
" , 285-290	.01	$ .35	.44	$ .88	$ 1.23			
" , 290-295	trace		.60	$ 1.20	$ 1.20			
" , 295-300	trace		.30	$ .60	$ .60			
" , 300-305	.01	$ .35	.54	$ 1.08	$ 1.43			
" , 305-310	trace		.60	$ 1.20	$ 1.20			
" , 310-315	trace		.46	$ .92	$ .92			
" , 315-320	.005	$ .18	.44	$ .88	$ 1.06			
" , 320-325	trace		.64	$ 1.28	$ 1.28			
" , 325-330	trace		.41	$ .82	$ .82			
" , 330-335	.025	$ .88	.80	$ 1.60	$ 2.48			
" , 335-340	.02	$ .70	2.94	$ 5.88	$ 6.58			
" , 340-345	.045	$ 1.58	4.68	$ 9.36	$10.94			
" , 345-350	.01	$ .35	1.14	$ 2.28	$ 2.63			

GOLD @ $ 35 PER OZ.
SILVER @ $ 2.00 PER OZ.
LEAD @ ____ c.
COPPER @ ____ c.

CHARGES ____

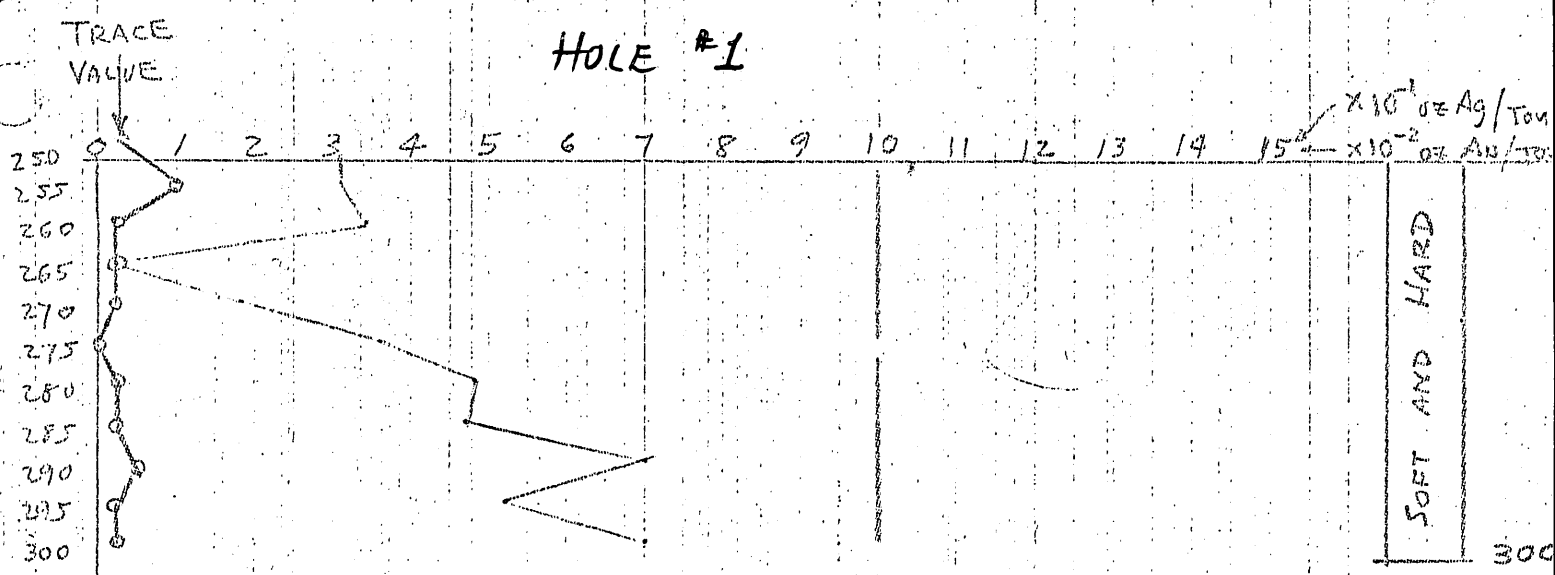
C. Eisenhauer Raymond
ASSAYER

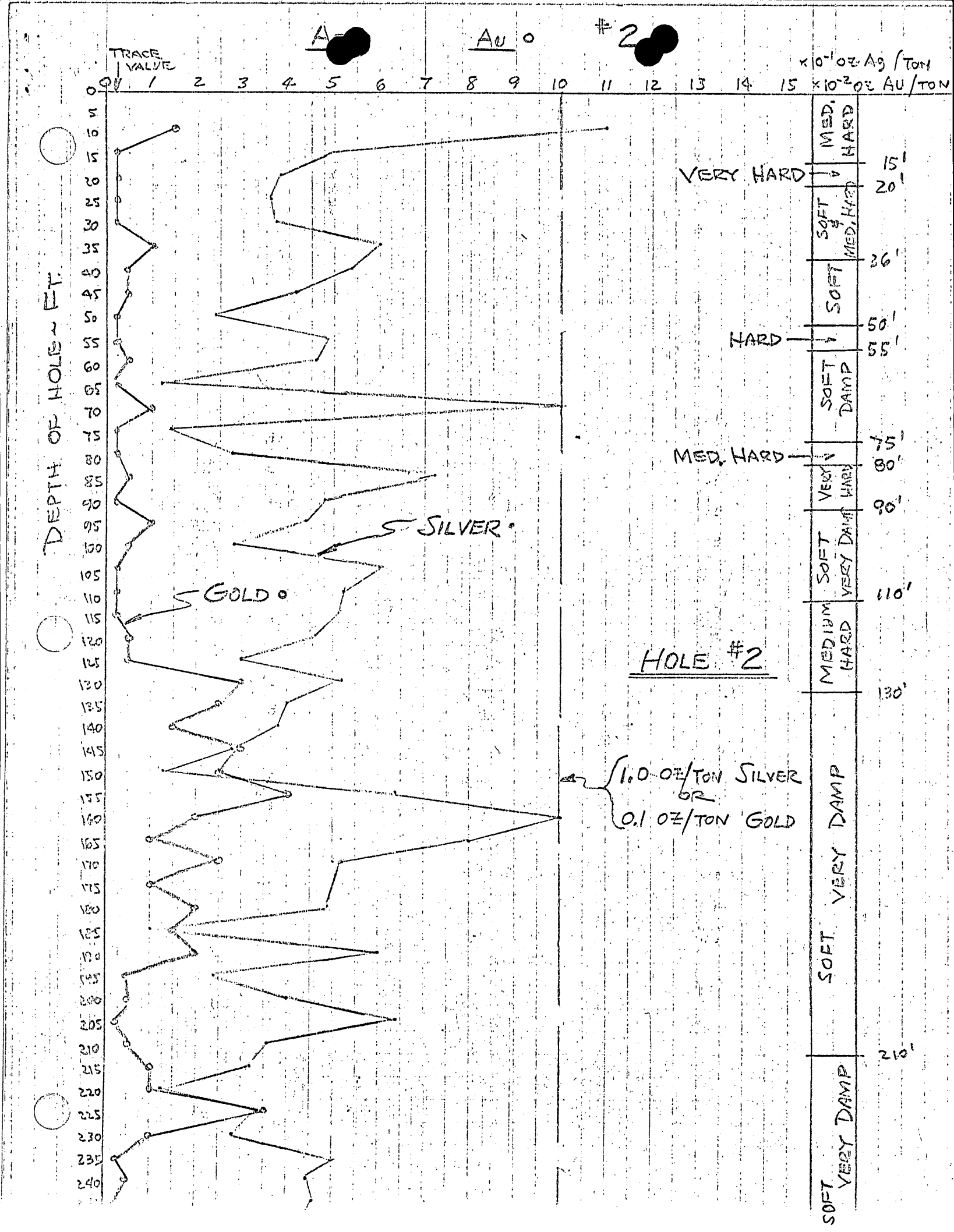
Established 1916


#1
TRACE VALUE
Ag [redacted] Au o
[redacted]
x10⁻¹ oz Ag/TON
x10⁻² oz Au/TON
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
DEPTH OF HOLE ~ FT.
5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250
SILVER o
GOLD o
HOLE #1
1.0 OZ/TON SILVER
OR
0.1 OZ/TON GOLD
OVERBURDEN
10'
SOFT
SOFT DAMP
35'
40'
SOFT
55'
DAMP
SOFT
125'
VERY HARD
140'
SOFT
160'
VERY HARD
165'
SOFT
180'
HARD
185'
VERY HARD
HIT WATER
220'
MED. HARD
230'
HARD
235'
SOFT & HARD

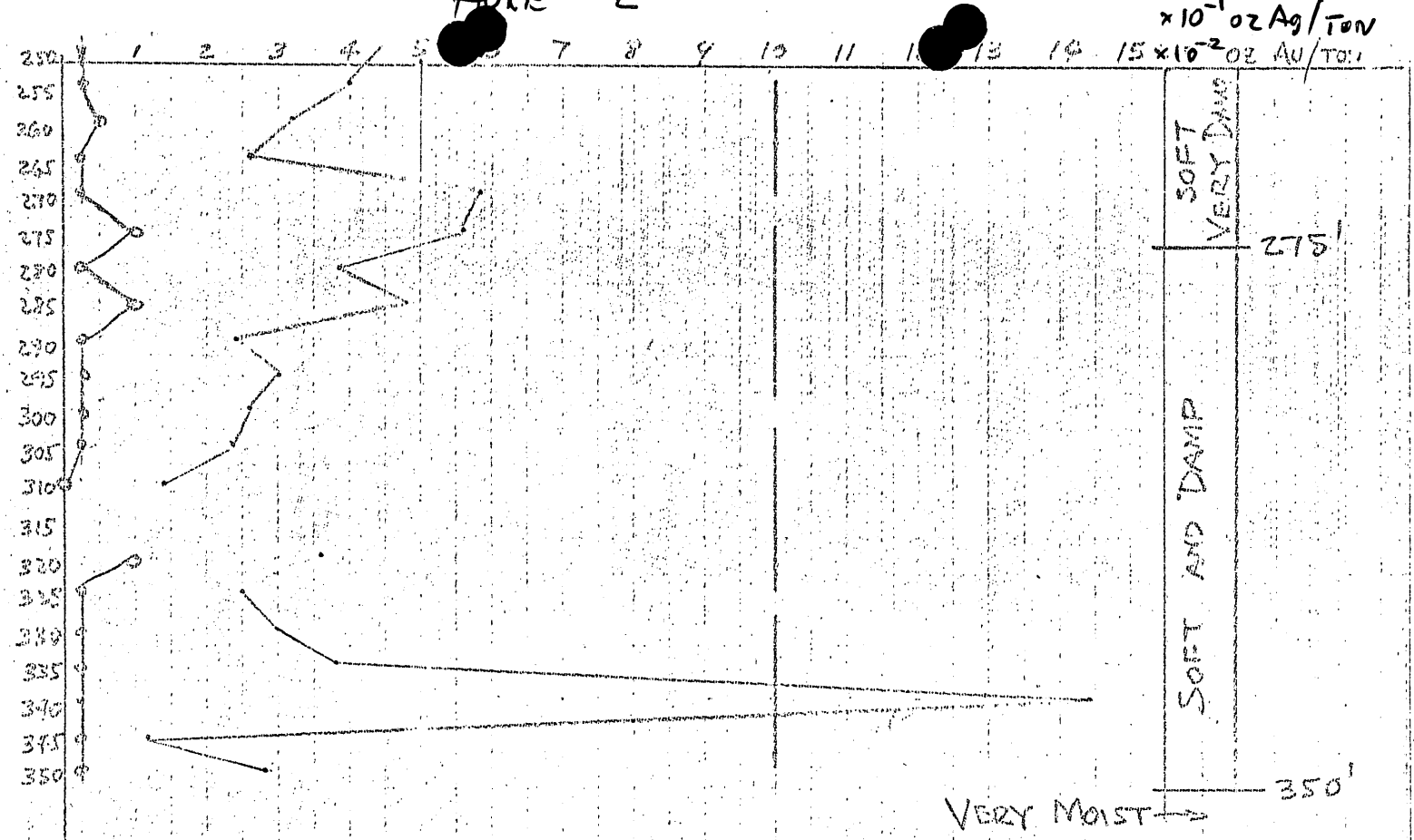
Ag Au

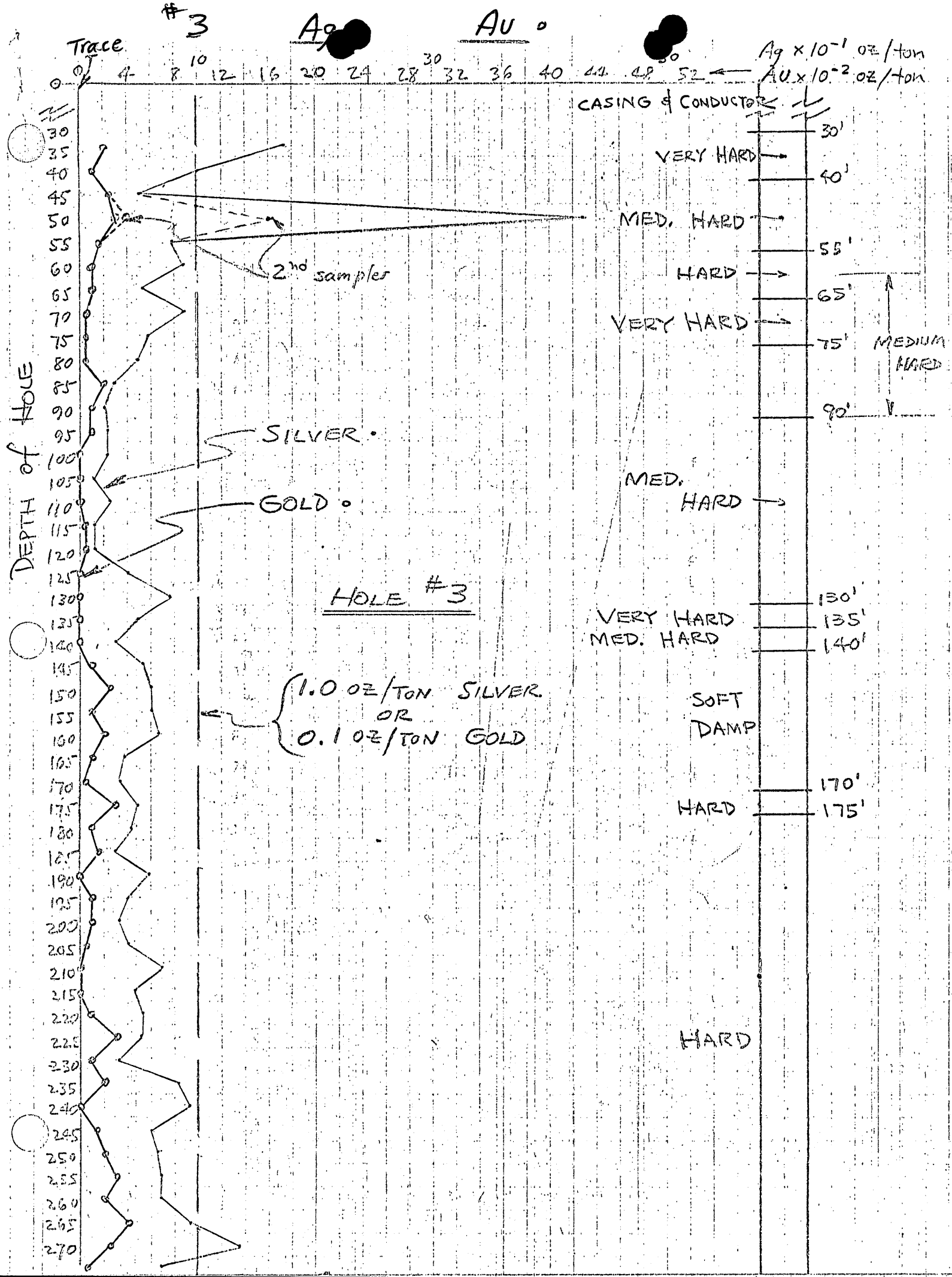
HOLE #1

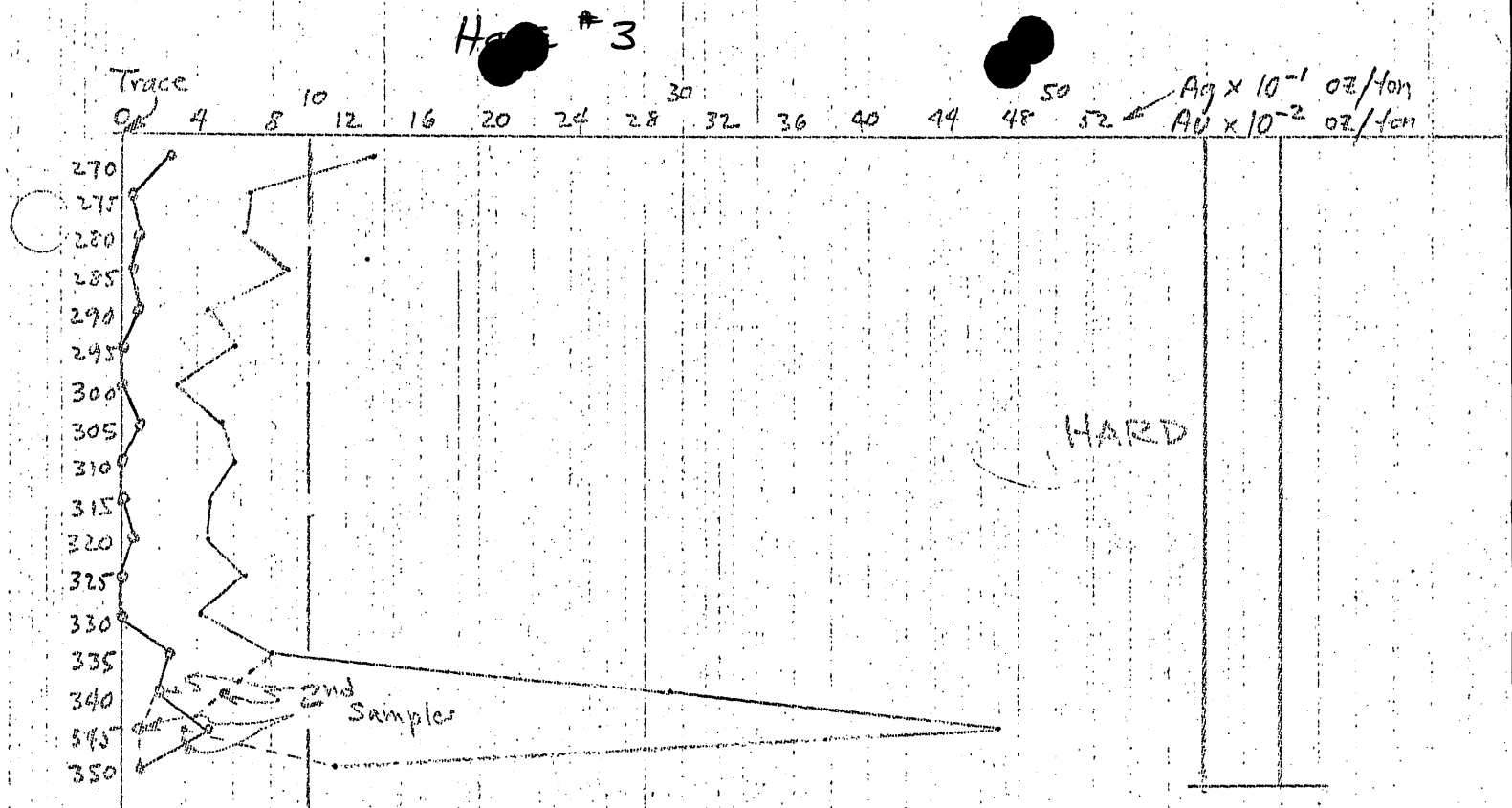

TRACE VALUE
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
x10⁻¹ oz Ag/Ton
x10⁻² oz Au/Ton
250
255
260
265
270
275
280
285
290
295
300
SOFT AND HARD
300


A[redacted] Au o #2[redacted]
TRACE VALUE
×10⁻¹ OZ Ag / TON
×10⁻² OZ AU/TON
DEPTH OF HOLE ~ FT.
SILVER
GOLD
HOLE #2
1.0 OZ/TON SILVER
OR
0.1 OZ/TON GOLD
VERY HARD
HARD
MED. HARD
MED. HARD
SOFT & MED. HARD
SOFT
SOFT DAMP
VERY HARD
SOFT VERY DAMP
MEDIUM HARD
SOFT VERY DAMP
SOFT VERY DAMP
15'
20'
36'
50'
55'
75'
80'
90'
110'
130'
210'

HOLE #2


×10⁻¹ oz Ag/TON
15×10⁻² oz Au/TON
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350
SOFT VERY DAMP
275'
SOFT AND DAMP
350'
VERY MOIST


#3
Ag
Au
Trace
Ag x 10⁻¹ oz/ton
Au x 10⁻² oz/ton
CASING & CONDUCTOR
30'
VERY HARD
40'
MED. HARD
55'
HARD
65'
VERY HARD
75'
MEDIUM HARD
90'
MED. HARD
130'
VERY HARD
135'
MED. HARD
140'
SOFT DAMP
170'
HARD
175'
HARD
2nd samples
SILVER
GOLD
HOLE #3
1.0 oz/ton SILVER
OR
0.1 oz/ton GOLD
DEPTH of HOLE


H[redacted] #3
[redacted]
Trace
0 4 8 10 12 16 20 24 28 30 32 36 40 44 48 50 52
Ag x 10⁻¹ oz/ton
Au x 10⁻² oz/ton
270
275
280
285
290
295
300
305
310
315
320
325
330
335
340
345
350
HARD
2nd Sampler

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J. D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 1 DATE Sept 17 1968

FROM	TO	FORMATION	TOTAL FEET	
				STARTE WORK 7:00 AM
0	10	OVER BURDEN NO SAMPLE	10	SET UP RIG DRILLED
10	35	SOFT	25	TO 120 FT
35	40	SOFT DAMP	5	STOPED WORK 5:00 PM.
40	55	SOFT	15	
55	120	SOFT DAMP	65	
	120 ft @ 7.00	840.00		
	ONE WAY MOVE IN @	150.00		
		$990.00		

TOTAL FEET DRILLED 120

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 HR

HOLE SIZE 3 1/2

LOGGED BY

DEPTH of HOLE to DATE 120 FT

DRILL SIZE and MODEL HD 500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 1	VERAL	3 Cone	120

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER R A Mauldin

HELPER Chuck Farrell

EXTRA HELP

APPROVED

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum — Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 1 DATE Sept 18 1968

FORMATION DRILLED or CORED FROM	TO	FORMATION	TOTAL FEET	
				Started Work 4:00 AM
120	125	Soft Damp	5	Started Drilling at
125	140	Very Hard	15	120 FT Drilled To 130
140	160	Soft	20	FT. Went To Hammer
160	165	Very Hard	5	At 130 FT Drilled
165	180	Soft	15	To 185 FT Stoped
180	185	Hard	5	Work 2:00 PM.
	65 Ft	@ 7.00 $455.00		
		$455.00		

TOTAL FEET DRILLED 65

TOTAL HOURS WORKED 10 HR

HOLE SIZE 3½

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD500

REPAIRS:

REMARKS:

TOTAL FOOTAGE REAMED

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 1	Veral	3 Cone	10
No 3557	Acker	Hammer	55

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER R S Mauffair

HELPER Jim Davis

EXTRA HELP

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum — Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geominerals Corp HOLE NO. 1 DATE Sept 18 19 68

FORMATION DRILLED or CORED			TOTAL FEET	
FROM	TO	FORMATION		STARTED WORK AT 2:00PM
185	220'	Very hard HIT WATER	35	Started drilling at 185' drilled
220	230	Med Hard	10	to 220' Hit water pulled Hammer
				out put in bit reamed Hole
				drilled from 220' to 230'
				Stoped work AT 1200 Midnight
	45 Ft @ 7.00	$315.00		
		$315.00		

TOTAL FEET DRILLED 45

REMARKS:

220' HIT WATER.

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 Hrs

HOLE SIZE 3 1/2"

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD-500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 3557	Acker	Hammer	35
No 1	Veral	3 cone	10

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER Charles Farrell

HELPER Ralph Fernandez

EXTRA HELP

REPORTED BY [illegible]

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 1 & 2 DATE Sept 19 19 68

FROM	TO	FORMATION	TOTAL FEET	
				Started Work 4:00 AM
230	235	Hard	5	Started Drilling at
235	300	Soft + Hard.	65	230 FT Drilled To
				300 FT Moved Rig
				To Drill Site No 2
				Set up Started Drilling
				Stoped Work 2:00 PM
	70 FT @ $7.00	$490.00		
		$490.00		

TOTAL FEET DRILLED 70

REMARKS: 235 FT To 300 FT Some Dampness

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 HR

HOLE SIZE 3½

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 1	Veral	3 Cone	70

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER B.D. Mauffais

HELPER Jim Davis

EXTRA HELP

APPROVED

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air, Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY GeoMineral Corp HOLE NO. 2 DATE Sept. 19 19 68

FORMATION DRILLED or CORED			TOTAL FEET
FROM	TO	FORMATION	
0	15	Med Hard	
15	20'	Very Hard	
20	36'	Soft + Med Hard	
	36 ft @ 7.00	$252.00	
		$252.00	

Started work at 200 pm
started to set conductor pipe
from 200 pm to 700 pm started
drilling at 700 pm drilled to
15' very hard pulled out bit
and put in Hammer drilled to
20' pulled Hammer out and
put in bit drilled to 36'
and had mechinal breakdown
Stop work at 1000 pm

TOTAL FEET DRILLED 36

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 8 Hrs

HOLE SIZE 3 1/2

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD 500

REPAIRS: Gear shift run broke in two Had to have it welded.

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 1	Verna	3 Come	31
No 3557	Acker	Hammer	5

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER Charles Farell

HELPER Ralph Fernandez

EXTRA HELP

APPROVED BY J.D. Chaffin

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum — Down The Hole Hammer 100% Visual Sample Recovery

J.D. HAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp. HOLE NO. 2 DATE Sept 20 19 68

FORMATION DRILLED or CORED FROM	TO	FORMATION	TOTAL FEET	
				Started Drilling
35	50	Soft @	14 ~~15~~	At 11:30 AM At
50	55	Hard	5	35 FT Drilled To
55	75	Soft Damp	20	75 FT Stoped Work
				2:00 PM.
	39 Ft	@ 7.00	273.00	
			$273.00	

TOTAL FEET DRILLED ~~40~~ @ 39

REMARKS:

TOTAL HOURS WORKED 10 Hr.

HOLE SIZE 3 5/8

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD500

REPAIRS: Shift Lever Low side of Drill Head.

TOTAL FOOTAGE REAMED

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 2	Veral	3 Cone	35
No 3	Veral	3 Cone	40

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER R. J. Mauldin

HELPER

EXTRA HELP A C Hamilton

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air, Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. HAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp. HOLE NO. 2 DATE Sept. 20 19 68

FORMATION DRILLED or CORED			TOTAL FEET	
FROM	TO	FORMATION		Started worked at 2:00 PM
75'	80'	Med Hard	5	Started drilling at 75' Med Hard
80'	90'	Very Hard	10	to Soft ground was very
90'	110'	Soft Very Damp	20	Damp had to use air to
110'	130'	Med Hard-	20	dry out cuttings drilled
130'	210'	Soft Very Damp	80	to 210' Stopped work at
				1200 Midnight.
	135	Ft @ 7.00 $945.00		
		$945.00		

TOTAL FEET DRILLED 135

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 hrs

HOLE SIZE 3 1/2

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD 500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
	Vekal	3 cone	135

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER Charles Fonella

HELPER Ralph Fernandez

EXTRA HELP

APPROVED BY [illegible]

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. DATE Sept 21 1968

FORMATION DRILLED or CORED			TOTAL FEET	
FROM	TO	FORMATION		
				Started Work DR Ream.
210	275	Soft Very Damp	65	Started Drilling at 210'
275	350	Soft Damp	75	Ft Drilled To 350' Ft
				Stoped Work at 2:00 PM.
				Help 2nd Crew Run
				Casing
	140 Ft @ 700	$980.00		
		$980.00		

TOTAL FEET DRILLED 140

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 HRS

HOLE SIZE 3½

LOGGED BY

DEPTH of HOLE to DATE 350' FT

DRILL SIZE and MODEL HD500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 4	Veral	3 Cone	140

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER R.S. MacLain

HELPER James Davis

EXTRA HELP

APPROVED BY

Exploratory Drilling By Reverse Air, Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY _____ HOLE NO. 3 DATE Sept 21 19 68

FORMATION DRILLED or CORED			TOTAL FEET	
FROM	TO	FORMATION		
0'	30'	Casing + Conductor	30	Started work at 200 pm. Set conductor at 30' drilled
30'	35'	Very Hard	35	from 30' — 35' very Hard.
				Drive chain broke.
				Stopped work at 1200 AM
	35 Ft @ 7.00		245.00	
	30 Ft Reaming & Setting			
	Casing @ 3.00		90.00	
			335.00	

TOTAL FEET DRILLED 35

REMARKS:

TOTAL FOOTAGE REAMED _____

TOTAL HOURS WORKED 10 Hrs

HOLE SIZE 3 1/2"

LOGGED BY _____

DEPTH of HOLE to DATE _____

DRILL SIZE and MODEL HD 500

REPAIRS: Chain - Master Link on Drive Chain

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
	Ferral	3 cone	35

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER Charles Farrell

HELPER Ralph Fernandez

EXTRA HELP _____

APPROVED BY [signature]

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air, Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. GIFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 3 DATE SEPT 22 19 60

FORMATION DRILLED or CORED FROM	TO	FORMATION	TOTAL FEET	
35	40	Very Hard & Caving	5	Started Work 4:00 AM Hole Caving under Casing Hard Rock Twisted Pipe off in Hole Wait For Fishing Tools Stopped Work at 2:00 PM.
	5 ft @ 7.00	35		
		NC		

TOTAL FEET DRILLED 5

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 Hrs.

HOLE SIZE 5 1/2

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD 500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 5	Veral	3 Cone	5

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED
		2	

DRILLER R. L. MacLean

HELPER James Davis

EXTRA HELP

APPROVED BY J. C. [illegible]

Exploratory Drilling By Reverse Air Vacuum

Down The Hole Hammer
100% Visual Sample Recovery

J.D. HAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY GEOMINERAL CORP HOLE NO. 3 DATE Sept 22 19 68

FORMATION DRILLED or CORED FROM	TO	FORMATION	TOTAL FEET
40	55	Medium Hard	15
55	65	Hard	10
65	75	Very Hard	10
		35 Ft @ 7.00	$245.00

Started work at 200 PM
~~Reamed~~ down to 40' started
drilling at 40' Med-Hard
55' got Hard at 65' got
Very Hard
Stopped work AT 1200 AM

TOTAL FEET DRILLED 35'

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 Hrs
HOLE SIZE 3 1/2"
LOGGED BY
DEPTH of HOLE to DATE
DRILL SIZE and MODEL HD 500
REPAIRS: VACUUM LINE

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
V	VERAL	3 CONE	35'

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED
		14	

DRILLER Charles Farrell
HELPER Ralph Fernandez
EXTRA HELP
APPROVED BY J.C. [illegible]

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum — Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 3 DATE Sept 23 19 68

FORMATION DRILLED or CORED FROM	TO	FORMATION	TOTAL FEET	
10'	20'	CASING	10	Started work at 2:00PM
				Started casing from 10'
				drilled casing to 20'
				Repaired Hydulic Line
				from drill-Head to
				Control box.
				Stopped work AT 1200AM
	10 ft @	7.00	$70.00	

TOTAL FEET DRILLED 10 ✓

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 HRS

HOLE SIZE 3 1/2"

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD-500

REPAIRS: Hydraulic Line from drill Head to Control box.

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
	VERCL	3 cone	10

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER Charles Fernandez

HELPER Ralph Fernandez

EXTRA HELP

APPROVED BY [illegible]

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum — Down The Hole, Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 3 DATE Sept 23-25 19 68

FORMATION DRILLED or CORED			TOTAL FEET	
FROM	TO	FORMATION		Fishing in Hole For broken Drill pipe Setting Casing Repair Rig Seals General Labor

TOTAL FEET DRILLED

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 Hrs.

HOLE SIZE

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD 500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 5	Veral	3 cone	

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER R. H. Mayfair

HELPER James Davis

EXTRA HELP

APPROVED BY

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J. D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 3 DATE Sept 24 19 68

FORMATION DRILLED or CORED			TOTAL FEET
FROM	TO	FORMATION	
25'	32'	Casing	7
32'	35'	Hard - very	3
	10 Ft	@ 7°	170°

Started work at 2:00 PM
Set conductor and ream out casing drilled from 32' - to 35' very Hard
Stopped work at 10 00 PM
Seals broke blowing air out of Head.

TOTAL FEET DRILLED 10

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 8 HRS
HOLE SIZE 3 1/2"
LOGGED BY
DEPTH of HOLE to DATE
DRILL SIZE and MODEL HD 500
REPAIRS: Seals broke blowing air out of drill Head.

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
	Verel	3 cone	10

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER Charles Farrell
HELPER Ralph Fernandez
EXTRA HELP
APPROVED BY J. C. Chaffin

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air, Vacuum — Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY GEO. MINERAL CORP. HOLE NO. 3 DATE Sept 25 19 68

FORMATION DRILLED or CORED			TOTAL FEET	
FROM	TO	FORMATION		
35'	—	Hole caving in Had		Started work at 2:00 PM
		to cement it		tried to clean out hole
				and press more casing
				Hole kept caving in
				used cement to fill
				up to bottom of casing
				QUIT WORK AT 10:30 PM
				(WAITING on Cement 2 HRS)
	2 HRS	STANDY TIME @ 25 = $50		
				Helper Ralph Fernandez
				worked 8 1/2 HRS

TOTAL FEET DRILLED 0

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 8 HRS

HOLE SIZE 3 1/2"

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL H.D. 500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
	REVER	HAMMER	0

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER Charles Farrell

HELPER Ralph Fernandez

EXTRA HELP

APPROVED BY [illegible]

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum — Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geominerah Corp. HOLE NO. 3 DATE Sept 26 19 68

FORMATION DRILLED or CORED			TOTAL FEET	
FROM	TO	FORMATION		
				Started Work 4:00AM
				Drilled out Cement in
				Hole Drilled To 60FT
				with Hammer Hole
				Caving Put Cement
				in Hole wait To Dry
				4 Hr.
	4 Hrs Standby time @ 25.00	100.00		Started Work 2:00PM

TOTAL FEET DRILLED

REMARKS:

4 Hrs Wait For Cement To Dry

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 Hrs.

HOLE SIZE 3½

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
12	Acker	Hammer	20FT

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER R. A. Maulfair

HELPER James Davis

EXTRA HELP Sam Dodd

APPROVED BY [illegible]

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum — Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY GEOMINERAL Corp HOLE NO. 3 DATE Sept 26 19 68

FORMATION DRILLED or CORED FROM	TO	FORMATION	TOTAL FEET
60'	90'	Med Hard.	30
	3½ Hrs	STAND-BY TIME @ 25 = $87.50	

Started work at 200 PM
Reamed Hole to 45' then
poured cement let set
for 3½ Hrs drilled
from 45' to 90'

3½ Hrs for cement to dry
Stopped work AT 1100 PM

Small Gear broke in
Half

TOTAL FEET DRILLED

REMARKS:

Small Gear broke in Half

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 9 Hrs
HOLE SIZE 3½"
LOGGED BY
DEPTH of HOLE to DATE
DRILL SIZE and MODEL HD 500
REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
	~~[illegible]~~	~~[illegible]~~	
	VERAL	3 CONE	30'

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER Charles Farrell
HELPER Ralph Fernandez
EXTRA HELP
APPROVED

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum — Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272
851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822
PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 3 DATE Sept 27 19 68

FORMATION DRILLED or CORED			TOTAL FEET	
FROM	TO	FORMATION		
				Started Work 7:00 AM
				Tore Down Drill Head
				Took Gear To L.A.
				Made Pick up Down
				Town. LA.

NC

TOTAL FEET DRILLED

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 Hr.

HOLE SIZE

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD 500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER R Maulsair

HELPER

EXTRA HELP

APPROVED

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 3 DATE Sept 28 19 68

FORMATION DRILLED or CORED			TOTAL FEET	
FROM	TO	FORMATION		
				Started Work 7:00 AM.
				Repair Drill Head.
				Twist off at Drill
				Sub Pull Rod out
				of Hole
				Stoped Work 5:00 PM.

NC

TOTAL FEET DRILLED

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 10 Hr.

HOLE SIZE

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL

REPAIRS: Gear in Drill Head.

BIT NO.	NAME	TYPE	TOTAL FOOTAGE

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED
	CFM		

DRILLER R A Mountain

HELPER James Davis

EXTRA HELP

APPROVED BY J C Chamberlin

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air, Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 3 DATE Sept 29 1968

FORMATION DRILLED or CORED			TOTAL FEET
FROM	TO	FORMATION	
13 Hrs. Standby time @ $25.00			$325.00

Started Work 7:00 AM. Cleaned out Hole with Vacuum Fished out Sub & Bit Cemented Hole To Bottom of Casing. Stoped Work 7:00 PM

Standing Cemented 13 Hrs

TOTAL FEET DRILLED

REMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 12 Hrs

HOLE SIZE 3½

LOGGED BY

DEPTH of HOLE to DATE

DRILL SIZE and MODEL HD-500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER R. S. Maulfair

HELPER James Davis

EXTRA HELP

APPROVED

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air, Vacuum — Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY Geomineral Corp HOLE NO. 3 DATE Sept 30 19 68

FORMATION DRILLED or CORED FROM	TO	FORMATION	TOTAL FEET	
				~~Standing Cemented 7 Hrs~~
90	130	Med Hard	40	Started Work 7:00AM
130	135	Very Hard	5	Drilled out Cement in
135	140	Med Hard	5	Hole Start Drilling at
140	170	Soft Damp	30	90 FT Drilled To 175
170	175	Hard	5	FT Stoped Work
				6:00 PM
	85 ft @ 7.00		$595.00	
	9 Hrs Standby time @ 25 =		175.00	
			$770.00	

TOTAL FEET DRILLED 85

TOTAL HOURS WORKED 11 Hrs

HOLE SIZE 3½

LOGGED BY

DEPTH of HOLE to DATE 175 FT

DRILL SIZE and MODEL HD-500

REPAIRS:

REMARKS:

TOTAL FOOTAGE REAMED

BIT NO.	NAME	TYPE	TOTAL FOOTAGE
No 6	Veral	3 Cone	75

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER R A Mailfair

HELPER James Davis

EXTRA HELP

APPROVED BY [illegible]

DAILY DRILLING REPORT

Exploratory Drilling By Reverse Air Vacuum

Down The Hole Hammer 100% Visual Sample Recovery

J.D. CHAFFIN DRILLING COMPANY

851 Haverford Avenue
Pacific Palisades, Calif. 90272

PHONE DAY OR NIGHT
(213) 454-4822

COMPANY GEOMINERAL CORP HOLE NO. 3 DATE 10/1/68 19

FORMATION DRILLED or CORED FROM	TO	FORMATION	TOTAL FEET	
				STARTED WORK AT 4 AM
175	350		175	FINISHED HOLE AND MOVED
				DRILL & EQUIPMENT OFF DRILL
				SITE 4 PM.
				total Contract 1
175 Ft @ 700		$1225.00		
			175	

TOTAL FEET DRILLED

EMARKS:

TOTAL FOOTAGE REAMED

TOTAL HOURS WORKED 11

HOLE SIZE 36

LOGGED BY

DEPTH of HOLE to DATE 350

DRILL SIZE and MODEL HD 500

REPAIRS:

BIT NO.	NAME	TYPE	TOTAL FOOTAGE

WATER NO. GALS.	AIR COMPRESSOR TYPE and SIZE	OTHER MATERIAL SAMPLE BAGS	MUDDING MATERIAL USED

DRILLER B. B. Henderson

HELPER James Davis

EXTRA HELP By J.C. Chaffin

APPROVED BY

ORM 6 REFERENCE SLIP
2-59 OFFICE OF MINERALS EXI ION

TO:	DATE	INITIALS
1. ~~Assoc. Sol.--MR, Room 6554 (Through Room 6042)~~		
2. Mr. Peterson, Room 4457		
3.		
4.		
5.		
FROM: Chief, OME		

FOR: Check items for action desired

____ Action ____ Reply for signature of ____
_x_ Approval ____ Investigate ____ Surname
____ Comment ____ Recommendations ____ Signature
____ Conference _x_ Rewrite ____ File
____ Instructions ____ Your information

REMARKS: L-68-2081.3192

SOLICITOR

DEC 12 1968

INTERIOR DEPT.

INT.-DUP. SEC., WASH., D.C. M56300-62

To Regnl 12/12

~~120~~ E Peterson

120 HK

~~110~~ JY

120M

DRAFT 12/9/68
ECPeterson/bsl

EXPLORATION CONTRACT
GEOMINERAL CORPORATION
OME-6650

AMENDMENT NO. 1

It is agreed this _____ day of _____, 1968, between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and Geomineral Corporation, hereinafter called the "Operator," that Exploration Contract 2269 (OME-6650), dated August 27, 1968, is amended effective the date of the contract as follows:

1. In Exhibit A:

(a) Under the heading Estimated Cost of Project, Stage I, is revised to read as follows:

Actual Costs

Category (1) Independent Contracts

Mobilization of bulldozer	$ 37.00
Bulldozing access roads and drill sites	
3 hours @ $20.00/hr.	60.00
Mobilization and demobilization drilling rig and truck	300.00

Rotary drilling (minimum hole size 3-1/2"),		
1,000 feet @ $7.00/foot	$7,000.00	
Cementing and redrilling,		
30 hours @ $25.00/hour	750.00	
Reaming and setting casing,		
70 feet @ $3.00/foot	210.00	
		$ 8,357.00
Category (2) Personal Services		
None except:		
1 Supervisor,		
1 month @ $750.00/month	750.00	
1 Outside consultant,		
4 days @ $75.00/day	300.00	
		1,050.00
Category (3) Operating Materials and Supplies		
None except:		
Cement, cement substitutes,		
drilling mud, and additives	40.00	
		40.00
Category (7) Miscellaneous		
None except:		
Per diem, outside consultant,		
4 days @ $16.00/day	64.00	

Transportation for consultant,		
700 miles @ $0.10/mile	$70.00	
Office and accounting expenses,		
1 month @ $50.00/month	50.00	
Payroll taxes, F.I.C.A., and		
insurance	56.00	
Assaying for gold and silver,		
200 samples @ $3.00/sample	600.00	
Transportation of samples	13.00	
		$ 853.00

Total Estimated Costs, Stage I 10,300.00

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

Executed in quadruplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By_____
Chief, Office of Minerals Exploration

GEOMINERALS CORPORATION

By_____

Title_____

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

December 3, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
DEC 5 1968

INITIALS	CODE
	~~120~~
gla	120
	~~110~~
FR	~~120~~ P

Memorandum

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

From: Field Officer
Region II

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract 2269

The Operator's Monthly Voucher for September-October, 1968, which covers the entire completed project, has been reviewed. Recommended allowances and disallowances are based on the following interpretations of the contract:

Article 6 (a) (1) limits allowable costs to those actual costs listed in Exhibit A by categories. It does not limit allowable costs to the items listed. Since Exhibit A is only an estimate, and since the intent of the long form contract is to participate in actual costs, the omission of an item is analogous to underestimating a unit cost. Where no maximums are specified, both the items and the costs are flexible. ?

In Category (1), the items are not maximums. Accordingly, two hours of mobilization for bulldozer ($37.00) and 29½ hours standby for drill (specified in bid but not in Exhibit A), are allowable. Disallowed is $6.00 for bulldozing as the contract specifies $20 per hour.

In Category (2) all elements are maximums. Hence all of supervisor's expenses, and that portion of supervisor's salary that exceeds $750.00/month, are disallowed. Only one-third month is allowed ($250.00).

In Category (7) there are no maximums. Therefore, assaying at $4.68/sample is allowable. Similarly, transportation of samples and costs of sealing cement and plaster (purchased by supervisor) are allowable.

I recommend that the voucher be approved as noted thereon, that the accompanying report be accepted as the Operator's Final Report, that the project <u>not</u> be certified, and that a final cost audit of this voucher as approved be requested.

H. K. Stager

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

October 22, 1968

Memorandum

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

From: Field Officer
Region II

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract No. 2269

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OCT 24 1968

INITIALS	CODE
Zla	120
bal	120
HJ	110
SD	120

Interim Inspection

A conference was held in Barstow, California, on October 12, 1968, between Mr. William F. Roberts and Mr. Charles V. Armstrong of Geomineral Corporation, and H. K. Stager and Harold Kirkemo of the OME. An inspection of the Stage I drill hole sites at the property was made on October 13, 1968, by the Field Officer.

Work on the subject project started about September 12, 1968; drilling under Stage I started on September 17 and was completed during the first week of October. Three inclined holes were drilled as specified in the contract, Hole No. 1 to a depth of 300 feet, Hole No. 2 to 350 feet, and Hole No. 3 to 350 feet, for a total of 1,000 feet of drilling. Assays, of the drill cuttings, for the three holes indicate that no significant mineralization was intersected in the target areas. Silver assays ranged from a trace to about one ounce per ton. Two samples, from Hole No. 3, that assayed about four ounces of silver per ton were rerun and yielded results of less than one ounce per ton. The Operator is now having the samples checked for mercury content in an attempt to determine the source of the surface mercury anomaly. If these results are also discouraging, it is planned to terminate the project inasmuch as there is insufficient justification for proceeding with Stage II of the contract.

H. K. Stager

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

September 18, 1968

Memorandum

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

From: Field Officer
Region II

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract No. 2269

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O. M. E.
RECEIVED
SEP 20 1968

INITIALS	CODE
gla	130
	120
	110

See left side

Enclosed are the Government's copy and Budget and Finance's copy of the subject contract properly executed by the Operator. The remaining copies have been distributed in the usual manner.

H. K. Stager

Enclosures

September 15, 1968

Mr. H. K. Stager, Field Officer
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

Dear Mr. Stager:

This letter is to confirm our telephone conversation of Sunday afternoon, September 15, 1968, by Mr. Armstrong and Mr. Chambers to you; also to return the three (3) copies of the signed contract.

We have already started work by having completed three drill sites and the necessary road work so that the driller, Mr. J. D. Chaffin, can move in. The actual drilling is scheduled to begin on Tuesday, September 17, 1968. If all goes well, the three holes of stage one will be drilled by approximately the 22nd or 23rd of September.

We will keep in touch with you by telephone, particularly if we need any clarification of specific points of the contract. Again, our heartfelt thanks for your patience with us, and for your continuing assistance.

Sincerely yours,

William F. Roberts, Vice President
Geomineral Corporation

WFR:mp
Enclosures

RECEIVED
SEP 18 1968
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

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

September 18, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
SEP 20 1968
INITIALS | COPS

Mr. William F. Roberts
Geomineral Corporation
11169 So. Chadsey Drive
Whittier, California 90604

Re: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California
Contract No. 2269

Dear Mr. Roberts:

The signed copies of the subject contract were received in the Field Office today.

Enclosed for your use is a supply of Form 9-1648, Operator's Monthly Voucher. If you have any questions, please write, or call, me.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosures

cc: Chief, OME, Wash., D.C.
Dir. RF
ACG RF
MP RF
Docket

HKStager:mkh

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

September 3, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
SEP 6 1968
INITIALS | CODE

William F. Roberts
Geomineral Corporation
11169 So. Chadsey Drive
Whittier, California 90604

Re: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California

Dear Mr. Roberts:

Enclosed are the original and three copies of a proposed contract for the subject property that I discussed with you by telephone this morning. The contract consists of MME Form 50 (7 pages), Annex 1 (2 pages), one Lien and Subordination Agreements, Decision of the Bureau of Land Management (5 pages), Exhibit A (5 pages), Exhibit B (1 page), and one map (Figure 1). All copies of the contract have been signed for the Government.

If the proposed contract is satisfactory to you, all four copies should be signed by an authorized representative of Geomineral Corporation, and the Government's, Budget and Finance's, and Field Office's copies returned to this office. The Operator's copy should be retained for your files.

Please note that the 7½ percent interest accrues from the dates on which individual payments are made by the Government and like the principal is repayable from royalty on production.

If any part of the proposed contract does not have your approval, the original and all copies should be returned to this office together with the proposed changes for consideration.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosures

cc: Chief, OME, WDC
Dir RF
ACG RF
MP RF
Docket

HKStager:mkh

OFFICIAL FILE COPY

Date	Surname	Code
9/20/68	Peterson	120
8/20/68	Mirbeno	120
8/21	Johnson	110
		220
8/22	DW Peterson	
8/22	[illegible]	
8/26	Jones	110
8/26	Parker	220
		120M

AUG 27 1968

AIRMAIL

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: CME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California

Enclosed are the original and three copies of a proposed contract for the subject property. The contract consists of MM Form 50 (7 pages), Annex I (2 pages), one Lien and Subordination Agreements, Decision of the Bureau of Land Management (5 pages), Exhibit A (5 pages), Exhibit B (1 page), and one map (Figure 1). All copies of the contract have been signed for the Government. You should insert the date for commencement of the work. Also enclosed is an extra copy of the contract for field use.

If the proposed contract is satisfactory to you and the Applicant, all four copies should be signed by an authorized representative of the Applicant. Thereafter, please distribute the copies in the usual manner.

Please advise the Applicant that the 7-1/2 percent interest accrues from the dates on which individual payments are made by the Government and like the principal is repayable from royalty on production.

If any part of the proposed contract does not have your approval or that of the Applicant, the original and all copies should be returned to this office together with the proposed changes for consideration.

FRANK E. JOHNSON

Frank E. Johnson

Enclosures

cc: Director's Reading File
Division File
Econ. Geol. File
OME Docket
OME Reading File
130
Mr. Peterson

BLong/bl 8/20/68

2–4
(1965)
(47 CFR 129)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

INTERIOR DEPT.

ROUTING AND TRANSMITTAL SLIP

JUL 17 1968

CODE	TO NAME	ORGANIZATION	ACTION	ROOM NO.
	SOLICITOR			
	Mr. Bliss			
	Solicitor's Office,			
	Rm - 6554			
	Washington,	D.C		

Indicate Action by Number

1. Necessary action
2. Approval
3. Signature
4. Prepare reply
5. Your comment and return
6. Note and surname
7. Note and return
8. Your information
9. See me
10.

From	Date	Room No.
G. W. Nelson	7/15/68	

Office	Phone
Calif. S.O, BLM	

Remarks

GPO 851-696

Mineral Report Title Sheet

Form 3820-1
(February 1968)
(formerly 4-802)

Serial Number

R 249 (4.3)
R 250 (4.3)
R 251 (4.3)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

State California

MINERAL REPORT

Validity Determination of Armstrong, Roberts and Cook lode mining claims, (in part).

(Title)

LANDS INVOLVED

San Bernardino County, California

San Bernardino Base and Meridian

T. 10 N., R. 1 E., within the SE$\frac{1}{4}$ of Section 22 and the SW$\frac{1}{4}$ of Section 23.

July 9, 1968

(Date)

By

Edward F. Cruskie
Mining Engineer

Technical Review

Management Review

GPO 841-153

Abstract, General Data:

The Armstrong, Roberts and Cook lode mining claims were located February 20, 1966 for parts of sections 22, 23, and 27, T. 10 N., R. 1 E., SBM., San Bernardino County. They are in the Calico Mining District which produced 20 or more million dollars in silver in the latter part of the 19th Century.

Portions of the subject claims overlapped certain lot areas under Rand Public Purposes lease and application by San Bernardino County. For this reason the claims were contested and adverse decision by the Land Office was issued as pertinent. The claimants proceeded through all Department appeal channels. The final decision of the Secretary, A-30889, affirmed the prior decisions that the subject claims are null and void ab initio as to those lands previously segregated for or under actual Recreation & Public Purposes lease or application.

By letter dated March 6, 1968, to the California State Director, Bureau of Land Management, the Washington Office of the Solicitor, Oil and Gas and Minerals Exploration requested an inspection of the uncontested portions of these three claims with a view to expedite the processing of the owner's application for an OME contract.

These claims were examined June 12, 13, 1968. Five samples of prominent outcrop exposures on the Cook and Armstrong claims were cut for assay of gold and silver content. These samples were cut on the not withdrawn portions of the Cook and Armstrong claims. The Roberts claim is largely covered by overburden. However, the vein zone trends of the Cook claim extend into the Roberts claim.

The results of the five samples taken for assay do not show pay ore as is. It is evident, however, that a prudent man would consider cuts into these sampled zones and dozens of others, and a drilling program. The mineralized zone is impressive in size, at least 400 feet long NESW, and 450 feet NW-SE, extending from the Cook claim lode line northwesterly into the Armstrong claim.

A spectrographic analysis was made of a composite of the pulps of samples CK-2, CK-3, CK-4 of the Cook claim. The district mine history shows occurrences of lead carbonate with silver chloride. Trace amounts of copper occur also, with a gangue of jasperoidal quartz and some barite. The presence of some indium in the analysis is unusual. As a whole, from the analysis, it would appear that some leaching of the near surface silver and migration to modest depth is possible. Hence, moderate silver assay values at surface are not conclusive.

Conclusions and Recommendations:

The nonsegregated portions of the subject claims are mineral in character. Parallel shear zones occur in an isoclinal fold in Tertiary sediments and volcanics. These shear zones show the presence of ore and gangue minerals typical of the Calico type ore deposits mined in the past, with silver values

predominating. The claims warrant further exploration effort and drilling. ~~The claimants having filed OME Application 6650, the OME should be informed that exploratory effort seems warranted~~.

Respectfully Submitted,
Edward F. Cruskie
Mining Engineer
(June 28, 1968)

Edward F. Cruskie

Enclosures:
Assay Sheets
Sketch Maps
Photos

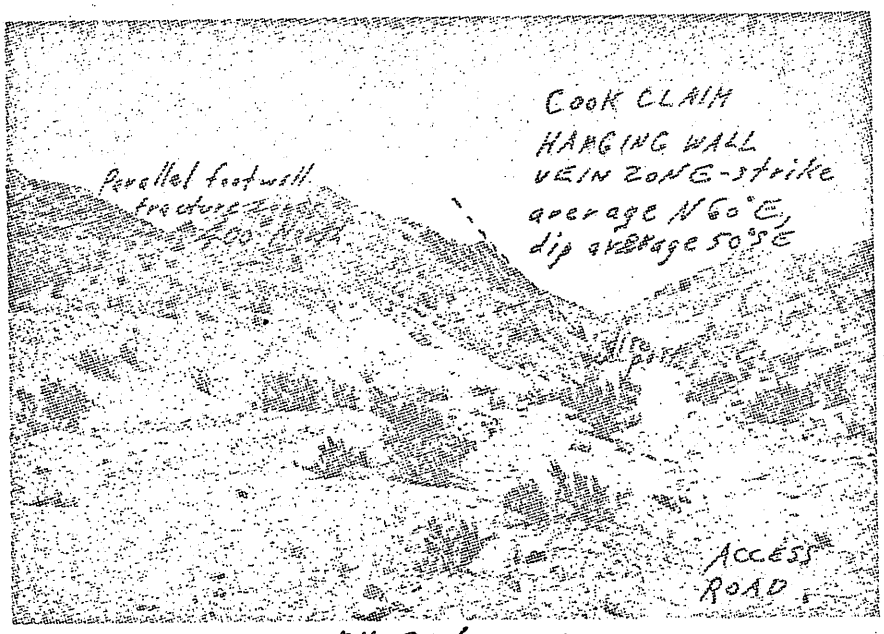


Photo 1. Cook claim. View northeasterly up gulch and access road.

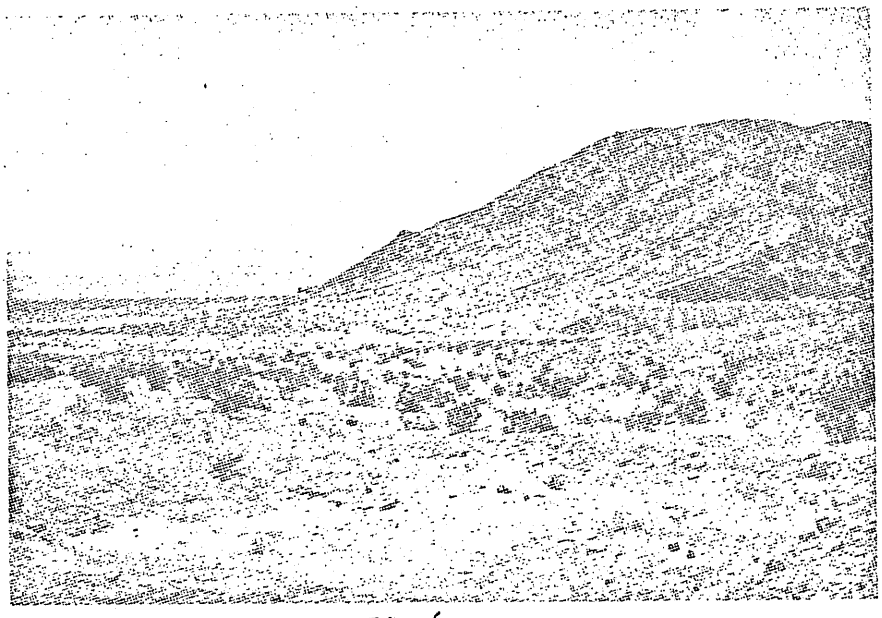


Photo 2: View westerly of terrain from vicinity of Cook claim discovery post and trenches.

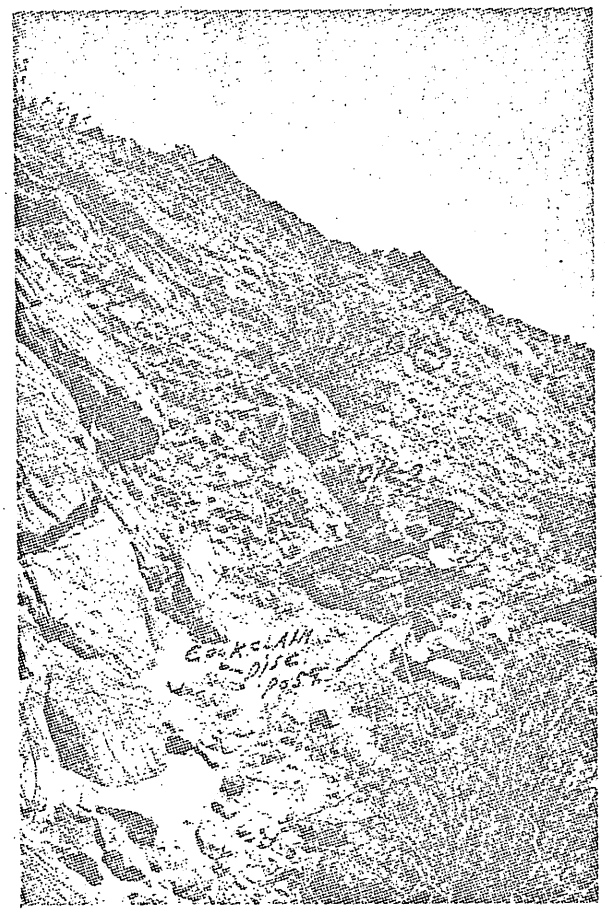


PHOTO 3 · JUN 68

Photo 3. Cook claim. View northeast along the lode line from discovery post showing the loci of three samples taken along the hanging wall portion of silicified vein zone, northeast 8-135-280 feet respectively from post.

Photo 4. Cook claim. Locus of sample No. CK-2 eight feet northeast of discovery post. Width taken 1 foot.

Photo 5. Cook claim. Locus of one foot wide outcrop Sample No. CK-3, about 135 feet northeast of discovery post.

Photo 6. Cook claim. Locus of two foot wide sample of outcrop CK-4, about 280 feet NE of discovery post.

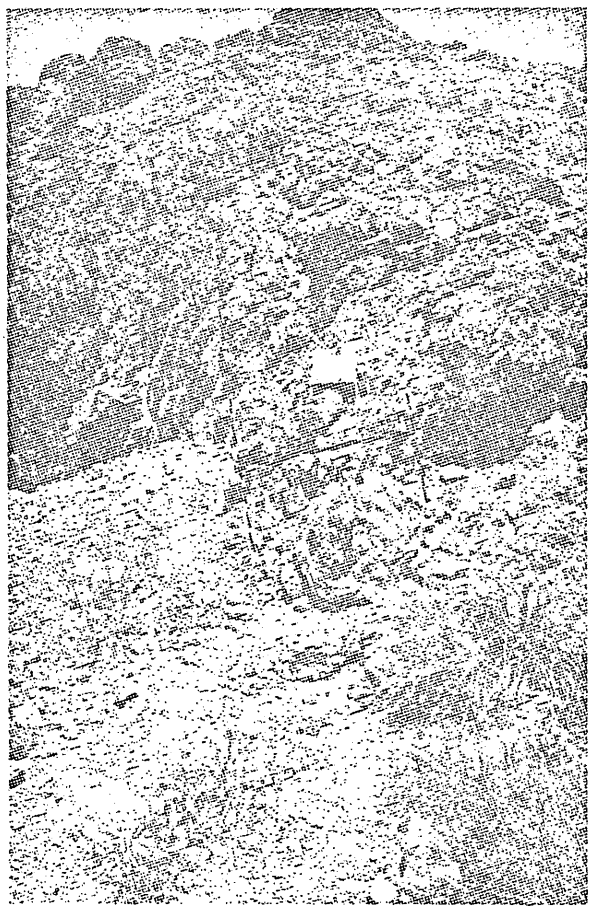


Photo 7. Armstrong claim. Locus of outcrop Sample AR-1 three feet wide, about 460 feet northerly from discovery post of Cook claim.

Photo 8. Locus of $1\frac{1}{2}$ foot wide Sample No. CK-1 taken at base of trench 25 feet south of discovery post of Cook claim, north side of trench. Note overburden above sample interval.

THE EISENHAUER LABORATORIES
316-322 South San Pedro Street
Los Angeles, California 90013

ED. EISENHAUER JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND
All members of American Institute of Mining, Metallurgical, and Petroleum Engineers

ASSAY CERTIFICATE

PHONE 622-9828

Los Angeles, Calif. June 20/68 19

I hereby Certify that the samples described below, received from

U.S. Bureau of Land Management-Dept. of Interior assay as follows:

Owner's Mark and Sample	GOLD		SILVER		TOTAL VALUE PER TON	PERCENTAGE OF		
	OZS. PER TON	VALUE PER TON	OZS. PER TON	VALUE PER TON		COPPER	LEAD	ZINC
CK-1	nil		.47	$ 1.12	$ 1.12			
CK-2	trace		.39	$ .94	$ .94			
CK-3	trace		.62	$ 1.55	$ 1.55			
CK-4	trace		.49	$ 1.23	$ 1.23			
AR-1	trace		.50	$ 1.25	$ 1.25			

GOLD @ $ .35 PER OZ.
SILVER @ $ 2.50 PER OZ.
LEAD @ ____ C.
COPPER @ ____ C.

CHARGES ____

C. Eisenhauer Raymond
ASSAYER

Established 1916

The EISENHAUER LABORATORIES
316-322 South San Pedro Street
Phone 622-9328 (Code 213) LOS ANGELES, CALIF. 90013

Attn: Jackie

ED. EISENHAUER, JR.
C. EISENHAUER RAYMOND
LAWRENCE EARL RAYMOND
All members of American Institute of Mining, Metallurgical, and Petroleum Engineers

Established 1916
ASSAYERS
METALLURGISTS
CHEMISTS
ORE TESTING

June 25/68

U.S. Bureau of Land Management-Dept. of Interior
Riverside
California

Subject: Semiquantitative Spectrographic Analysis of Ore.

Marked: Composite sample of CK-2, CK-3, CK-4

Silicon-	40. %
Aluminum-	2.0%
Magnesium-	1.0
Iron-	1.3
Calcium-	major constituent
Sodium-	0.40
Boron-	0.20
Phosphorus-	0.05
Lead-	0.22
Manganese-	0.50
Beryllium-	0.05
Lithium-	0.001
Copper-	0.001
Silver-	trace
Titanium-	0.05
Indium-	0.003
Barium-	0.06
Other elements-	nil

Respectfully submitted,

The Eisenhauer Laboratories

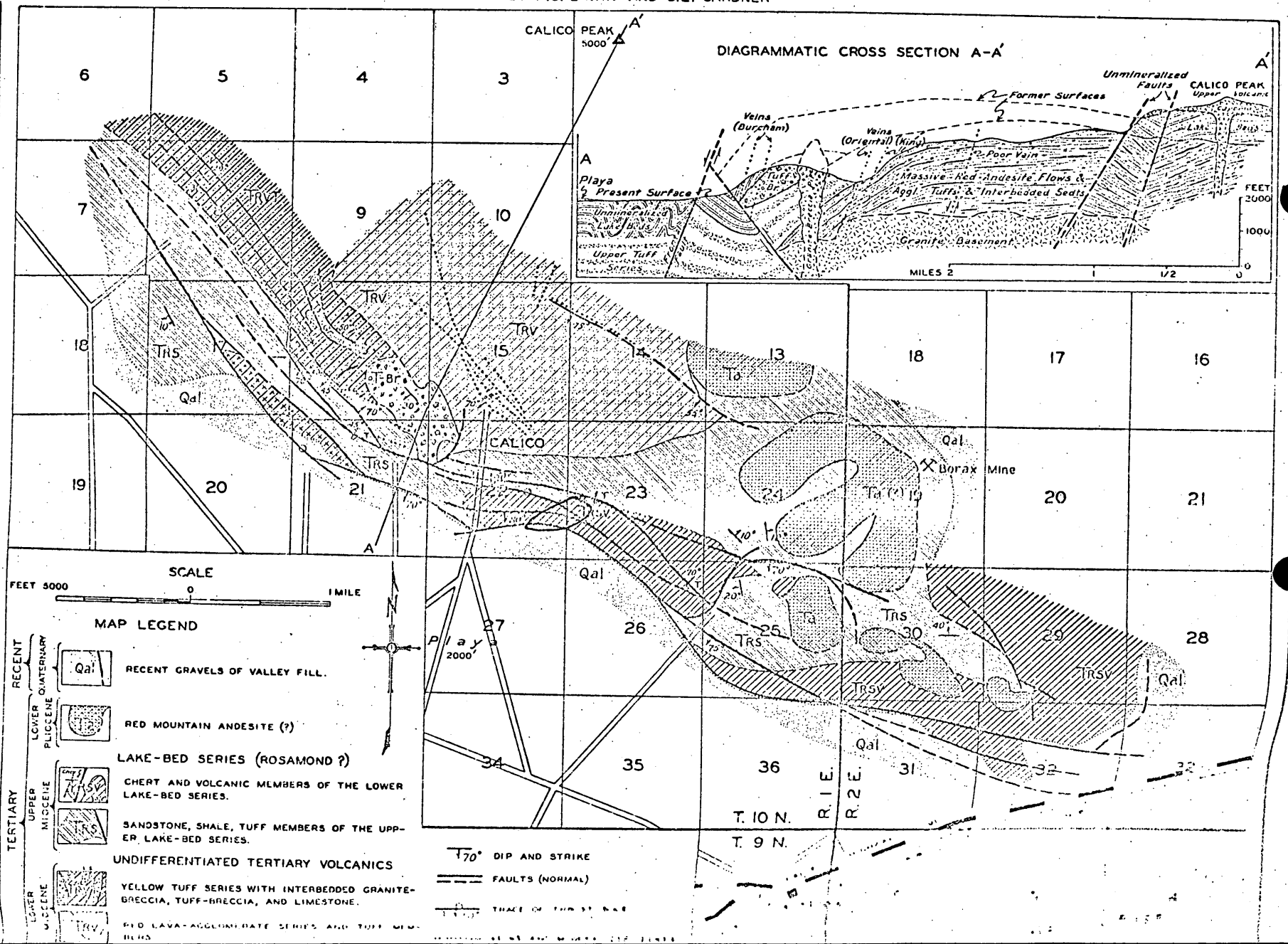
Ed. Eisenhauer, Jr.

DIVISION OF MINES
WALTER W. BRADLEY, STATE MINERALOGIST
OLAF P. JENKINS, CHIEF GEOLOGIST

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
RICHARD SACHSE, DIRECTOR

RECONNAISSANCE GEOLOGY OF THE SOUTHERN CALICO MOUNTAINS, SAN BERNARDINO CO., CALIF.

BY H.D. ERWIN AND D.L. GARDNER



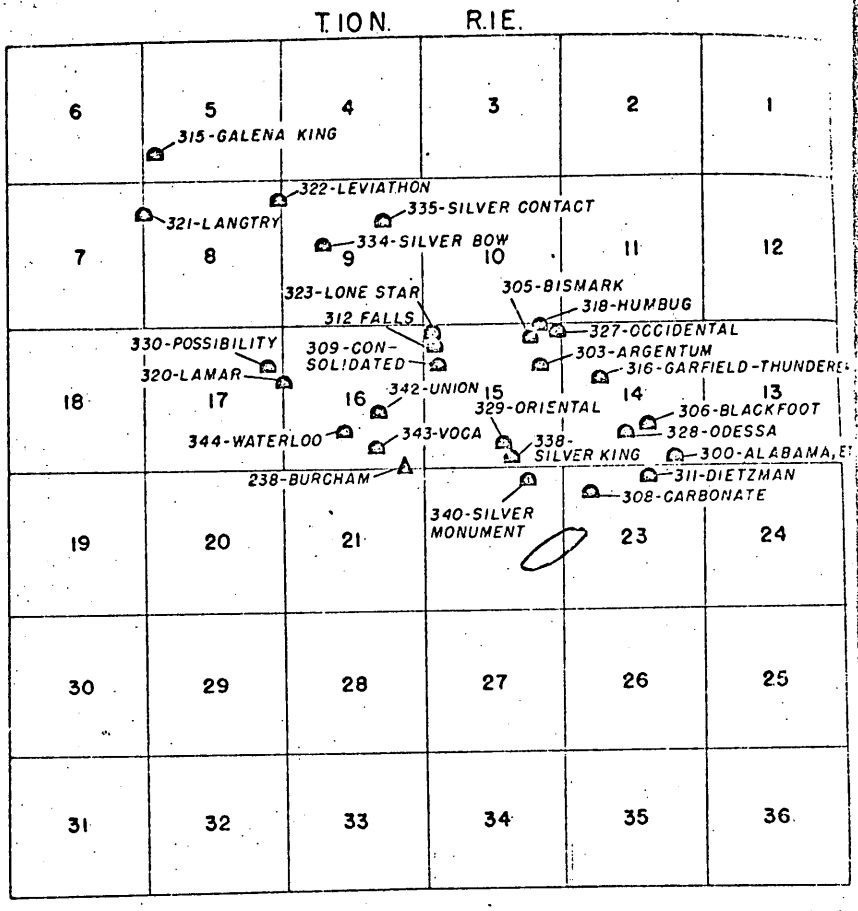


FIGURE 18. Plat of Township 10 North, Range 1 East, showing location of principa mines in the Calico district.

deposits in which silver is the only significant metal. The deposits nea Randsburg and Calico, described below, have been the outstandin sources of silver in California, but are now generally inactive.

Only when these deposits were most active, 1883-88 for Calico, an 1920-25 for Randsburg, did the annual silver output of San Bernardin County exceed $1,000,000. The annual output has not exceeded $100,0 since 1941; in 1950 it had declined to less than $12,000 or about 0.03 pe cent of the county's total mineral production.

Calico District

One of the most productive and colorful groups of mines in Califor is in the Calico district about 10 miles northeast of Barstow. During period 1882-1896 these mines yielded silver ore with a total value mated variously at 13 to 20 million dollars.[122] Rich silver ore was

[122] Silver production statistics for San Bernardino County, last compiled by T B., and Sampson, R. J., Mineral resources of San Bernardino County Div. Mines Rept. 39, plate 5, 1943, show, for the period 1880-1960, an at slightly less than $14,000,000. Other reports, including Erwin, H. D. D. L., Notes on the geology of a portion of the Calico Mountains, San County, California: California Div. Mines Rept. 36, pp. 293-294, 1940, 000,000 figure.

RM 6 REFERENCE SLIP

2-59 OFFICE OF MINERALS EXPLORATION

		DATE	INITIALS
1.	Assoc. Sol.--MR, Room 6534 (Through Room 6042)		
2.	Mr. Peterson, Room 4459		
3.	To legal 8/12/68		
4.			
5.			
FROM:	Chief, OME		

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

Please return map.

RECEIVED

JUN 19 1968

Division of Mineral Resources and General Legal Services

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-DUP. SEC., WASH., D.C.

EP 120

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Legal 8/12/68

~~Legal 2/20/68~~

~~Legal 7/1/68~~

MME Form 50
July 1965

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

EXPLORATION CONTRACT
(Long Form)

Docket No.	Commodity	Contract No.	County	State
OME -6650	Silver		San Bernardino	California

It is agreed _____ (Date), between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and

Geomineral Corporation

whose mailing address is 2 lines 525 Subway Terminal Building, 417 South Hill Street, Los Angeles, California 90013, hereinafter called the "Operator," as follows:

ARTICLE 1. Authority and scope.--(a) This contract entered into under the authority of Public Law 701, 85th Cong., 2d sess. (72 Stat. 700; 30 U.S.C. § 641 - 646), consists of this form, the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed. The work is a search for new or unexplored deposits of the commodity designated above. The Operator shall begin the work on or before _____ (Date), and, subject to the provisions of Article 9 and Exhibit A, shall either have completed the work within 3 months from the date of the contract or shall have incurred allowable costs (see Article 6) in a sum not less than the total cost set forth in Exhibit A.

(b) The total allowable cost of the work set forth in Exhibit A is $ 20,000.00. The Government will contribute 75 percent of the allowable costs as they are incurred, in a total sum not in excess of $15,000.00 in accordance with the provisions of Articles 3, 4, 5, and 6. "Costs incurred" means costs that have been paid or have become due and payable, or that the Government determines have become obligations.

(c) Interest computation.--Simple interest at the rate of _____ percent shall accrue from the dates Federal funds are made available until the period specified for payment of royalty expires, or until the amount of Federal funds contributed is fully repaid with interest.

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

ARTICLE 2. Operator's right in land.--(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's right of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances:

SEE ANNEX I

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the lien agreement of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached as follows:

SEE ANNEX I

(c) The Operator shall preserve and maintain his right, title, or interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a royalty on production and liens for the payment thereof. Two true copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 7 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. Performance of the work.--(a) Operator's responsibility.--The work shall be performed diligently, efficiently, in a workmanlike manner in accordance with good mining standards, and in compliance with State laws governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work as specified in Article 1(a).

(b) Independent contracts.--To the extent that the allowable costs are estimated in Exhibit A with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed (see Article 6(a), Category (1)). Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract, the Government will participate in payments to the independent contractor only as to work performed in accordance with the provisions of this exploration contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) Government may inspect.--The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract and production operations during the period that royalty is payable to the Government. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. Contribution by the Government.-- The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5(b), but all payments by the Government are provisional only, subject to audit. Until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been received, the Government may withhold such sums as are necessary to protect its interests. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. Reports, accounts, audits.--(a) Operator's records.--The Operator shall keep suitable records and accounts of the work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(b) Monthly reports.--The Operator shall provide the Government with four copies of monthly reports in three sections as follows:

(1) Operator's Monthly Voucher claiming costs for work performed;

(2) Operator's Progress Report showing the number of units of the various types of work performed; and

(3) a narrative report of the work performed during the reporting period, including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground.

(Forms for reporting under (1) and (2) above will be provided by the Government; however, the original of the Operator's Monthly Voucher shall be supported by documentary evidence, such as certified copies or transcripts of payrolls and invoices, for all costs claimed under Article 6 (a) (1).)

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

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

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

ARTICLE 6. Costs.--(a) Allowable costs.--The allowable costs of the work to which the Government will contribute are limited to:

(1) the necessary, reasonable, and direct actual costs that are estimated in Exhibit A by categories as specified in this article; and

(2) fixed costs for units of work to be performed (per foot, per hour, etc.) agreed upon in lieu of actual costs and set forth in Exhibit A.

The Government will not contribute to costs under any category or subcategory omitted from the estimate of costs in Exhibit A. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost; any excess over a fixed unit cost; and any excess over the total allowable cost of the work are not allowable. The Operator shall incur such excesses for his own account without contribution by the Government, but the Operator is not obligated to incur more than his agreed percentage of the total allowable cost of the work.

Any category or subcategory or element thereof not designated as a maximum in this article, or in Exhibit A may be exceeded, provided that the total allowable cost of the work, which is a maximum, is not exceeded.

CATEGORY (1)--INDEPENDENT CONTRACTS.--(See Article 3(b)). The total of this category and the average unit cost estimated for each type of work to be performed under an independent contract are maximums.

CATEGORY (2)--PERSONAL SERVICES.

Subcategory (a)--Supervision and Technical Services--All elements of this subcategory (number of supervisors, technicians, outside consultants, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)--Labor.

CATEGORY (3)--OPERATING MATERIALS AND SUPPLIES.--Includes such items as drill bits and steel, explosives, fuel, pipe, power, timber, rail, and small tools costing less than $50 each.

CATEGORY (4)--OPERATING EQUIPMENT.

Subcategory (a)--Rental.--The number of each rented item [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

Subcategory (b)--Purchases.--The total of this subcategory is a maximum.

Subcategory (c)--Depreciation.--All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)--INITIAL REHABILITATION AND REPAIRS.--Costs of items listed under this category include all requirements, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The total of this category is a maximum.

Subcategory (a)--Initial rehabilitation and repairs of existing buildings, fixtures, and installations (exclusive of mine workings).--The total of this subcategory is a maximum.

Subcategory (b)--Initial rehabilitation and repairs of operating equipment.--The total of this subcategory is a maximum.

CATEGORY (6)--NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).--Costs of items listed under this category include all requirements, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The total of this category is a maximum.

CATEGORY (7)--MISCELLANEOUS.--Includes requirements and costs that do not fall within any of the first six categories, such as repairs other than initial and maintenance of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, and communications.

(b) Nonallowable costs.--In addition to the limitations imposed by paragraph (a) of this Article 6 the Government will not contribute to the following costs:

(1) Costs of the land, such as rental, depreciation, depletion, or other costs of acquiring, owning, or holding possession;

(2) Indirect costs, such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) Previous work performed or costs incurred before the date of this contract; and

(4) Deferred payments.--Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods, unless the purchase agreement is approved by the Government in writing.

(c) Reductions in costs.--The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original total cost. The provision does not apply to receipts from production which are subject to the Government's royalty under the provisions of Article 7.

ARTICLE 7. Repayment by Operator.--(a) Certification.--If the Government considers that mineral or metal production from the land covered by the contract may be possible as a result of the exploration work, it shall so certify in writing to the Operator at any time not later than six months after a sufficient final report and final accounting (see Article 5) have been furnished.

(b) Royalty on production.--The Operator, whether or not the producer (for example, if the Operator either transfers or does not retains his interest in the land), shall pay to the Government a royalty on all minerals and metals mined or produced from the land as follows:

(1) irrespective of any certification of possible production--from the date of the contract until the lapse of the time within which the government may issue such certification or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first; or

(2) if the Government issues a certification of possible production--for a period of ten years from the date of the contract, or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first.

(c) Payment of royalty.--(1) The Government's royalty shall be five percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrate, metal or equivalent), at the point of delivery (the f.o.b. point); except, that charges of the buyer arising in the regular course of business and shown as deductions on the buyer's settlement sheets (such as treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight payable by the buyer to a carrier (not the Operator or producer)), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. No costs of the Operator or Producer are deductible in arriving at the "gross proceeds" as that term is here used.

The term "treatment processes" means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(2) The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be.

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

(e) Lien for payment.--To secure the payment of royalty (see Article 7(b)), the Operator hereby grants to the Government a lien upon his interest in the land and upon any production of minerals and metals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(f) Notice to purchasers.--The Operator or producer shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Government, and this estimate shall be final and binding upon the Operator or producer.

(g) No obligation to produce.--Nothing in this contract shall be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

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

ARTICLE 8. Interests in purchased property.--(a) Title and ownership.--All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions although title thereto shall be taken in the name of the Operator.

(b) Preservation of property.--Until the final disposal of any property in which the Government has an interest, the Operator shall preserve and protect same for the best interest of the Government, and any reasonable and necessary cost thereof will be treated as an allowable cost of the exploration. After the completion of the work, termination of the Government's obligation to contribute, or when such property is not being used for the work, the Operator shall not use it elsewhere without the written consent of the Government and without paying a reasonable rental to be fixed by the Government for its proportionate interest.

(c) Disposal of property.--Upon the completion of the work, termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest for the joint account of the Government and the Operator, either by return to the vendor, sale to others, purchase by the Operator, or sale or transfer to the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government, the Operator shall not sell at any price any item of property that cost more than $500, and shall not sell at less than 25 percent of the purchase price any item of property that cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or offers. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, explosives, pipe, or rail), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item, the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the exploration.

(d) Default of the Operator re disposal.--If within 90 days after the completion of the work, termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may:

(1) in writing extend the time within which the Operator must dispose of or liquidate the property;

(2) by written notice to the Operator, place upon such property what it determines to be a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; and

(3) enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 9. Termination of the Government's obligations.--(a) If the Government determines that operations at any time have failed to achieve anticipated results and further work is not justified, the Government may give the Operator written notice thereof, and thereupon:

(1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

(b) If the Government determines that the Operator is in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon:

(1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 9 shall not affect the Government's rights as provided for in the contract with respect to royalty and liens to secure the payment thereof, and such rights shall be fully preserved.

(d) The determinations of the Government are subject to appeal under Article 13.

ARTICLE 10. Notices to be given by the Government may be delivered to the Operator, or may be sent by certified mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 11. Officials not to benefit.--No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 12. Nondiscrimination in Employment. The provisions respecting nondiscrimination in employment which are required by section 301 of Executive Order 10925, dated March 6, 1961 as amended and supplemented are attached hereto as Exhibit B and are hereby incorporated in and made a part of this contract.

ARTICLE 13. Disputes.--Any dispute arising under this contract which is not disposed of by agreement shall be decided by the Director, U. S. Geological Survey, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Operator. The decision of the Director, U. S. Geological Survey, shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Operator mails or otherwise furnishes to the Director, U. S. Geological Survey, a written appeal addressed to the Secretary of the Interior. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

The term "Director, U. S. Geological Survey," as used herein includes his duly authorized representative.

ARTICLE 14. Work Hours Act of 1962 - Overtime Compensation.--This contract, to the extent that it is of a character specified in the Work Hours Act of 1962 (Public Law 87-581, 76 Stat. 357-360) and is not covered by the Walsh-Healey Public Contracts Act (41 U.S.C. 35-45), is subject to the following provisions and to all other provisions and exceptions of said Work Hours Act of 1962.

(a) Overtime requirements.--No Operator or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic to be employed on such work in excess of eight hours in any calendar day or in excess of forty hours in any workweek unless such laborer or mechanic receives compensation at a rate of not less than one and one-half times his basic rate of pay for all hours worked in excess of eight hours in any such calendar day or in excess of forty hours in any such workweek, as the case may be.

(b) Violations; liability for unpaid wages; liquidated damages.--In the event of any violation of the clause set forth in subparagraph (a) of this paragraph, the Operator and any subcontractor responsible therefor shall be liable to any affected employee for his unpaid wages. In addition, such Operator and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for

liquidated damages. Such liquidated damages shall be computed, with respect to each individual laborer or mechanic employed in violation of the clause set forth in subparagraph (a) of this paragraph, in the sum of $10 for each calendar day on which such employee was required or permitted to work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in subparagraph (a) of this paragraph.

(c) Withholding for unpaid wages and liquidated damages.--The U. S. Geological Survey may withhold or cause to be withheld, from any moneys payable on account of work performed by the Operator or subcontractor, such sums as may administratively be determined to be necessary to satisfy any liabilities of such Operator or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (b) of this paragraph.

ARTICLE 15. Copeland (Anti-Kickback) Act--Nonrebate of wages.--The regulations of the Secretary of Labor applicable to contractors and subcontractors (29 CFR, Part 3), made pursuant to the Copeland Act, as amended (40 U. S. C. 276c) and to aid in the enforcement of the Anti-Kickback Act (18 U. S. C. 874) are made a part of this contract by reference. The Operator will comply with these regulations and any amendments or modifications thereof and will be responsible for the submission of affidavits required of independent contractors thereunder. The foregoing shall apply except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances, and exemptions.

ARTICLE 16. Changes and added provision.--

_____

_____

_____

_____

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

GEOMINERAL CORPORATION
(Operator)

By _____

By _____
Acting **Director, U. S. Geological Survey**
Office of Minerals Exploration

Title _____

_____

I, _____, certify that I am the
(Name)

_____ secretary of the corporation named as Operator herein; that

_____, who signed this contract on behalf of the Operator, was then
(Name)

_____ of said corporation; that said contract was duly signed for
(Title)

and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

_____

 [CORPORATE SEAL]

DRAFT - 1/29/68
ECPeterson/bsl

EXPLORATION CONTRACT
GEOMINERAL CORPORATION
OME-6650

ANNEX I

The land, including all rights pertaining thereto, referred to in Article 2 of the contract consists of five (5) unpatented lode mining claims in secs. 22, 23, and 27, T. 10 N., R. 1 E., SBBM, Calico mining district, San Bernardino County, California. It is shown outlined in blue on Figure 1, entitled "Map showing property and proposed exploration, Stage I, Carl Claims, San Bernardino County, California," attached and made part hereof.

The unpatented claims are recorded in the San Bernardino County Recorder's office at San Bernardino, California, as follows:

Claim	Book	Pages	Microfilm
Armstrong	457	508-510	673
Betty Laue	457	517-519	676
Cook	457	505-507	672
Eric Laue	457	514-516	675
Roberts	457	511-513	674

The Operator is in possession of the claims under terms of an Assignment Agreement, dated October 26, 1967 and January 4, 1968, from Lucille Cook, Harold S. Cook, Jr., William F. Roberts, Eric Laue, Elizabeth C. Laue, Charles V. Armstrong, L. Trevor Grimm, and Emily Roberts, the owners, recorded in Book 6955, Page 221 of the Official Records in the San Bernardino County Recorder's office at San Bernardino, California.

A Special Agreement Concerning Land

In the event that the Operator or any successor thereof at any time during the period of this contract, pe acquires mineral rights ~~any additional right, title, or interest in or with respect to any land including minerals thereon,~~ to portions of claims situate within the claim group outlined in green ~~blue~~ on Figure 1, it is agreed that such land shall thereupon become subject to the provisions of this contract.

EXPLORATION CONTRACT
GEOMINERAL CORPORATION
OMI-6650

EXHIBIT A

The purpose of this project is to explore by rotary drilling from prepared surface drill sites for silver-bearing ore bodies in or near ~~a~~ fault s and a fault intersection and in ~~contact between~~ sedimentary and volcanic rocks of the Barstow formation of Tertiary age.

General Provisions

The Government will contribute only to the costs of work performed in the areas within the boundaries outlined in ~~blue~~ red on Figure 1, excluding the area outlined in green, ~~which is currently being contested as being nonmineral land and classified for recreational purposes.~~

Drill holes shall be drilled not less than 100 feet from the outer boundaries of areas controlled by the Operator shown on Figure 1.

All drill holes shall be cased as necessary to insure proper and accurate sampling. The Government will not contribute to the cost of casing left in a hole at the Operator's request.

Facilities shall be provided for recovering the drill cuttings, and such cuttings shall be retained when drilling in significantly mineralized ground. The cuttings shall be stored in suitable containers identified as to hole number and depths represented.

Significantly mineralized cuttings from the drill holes shall be sampled, but no such sample shall represent more than 5 linear feet of hole. Each sample shall be split and one split assayed for gold and silver. All remaining splits shall be stored in suitable containers properly

identified as to source and location. Stored splits of samples may be disposed of with prior Government approval.

True copies of assay certificates, copies of drill logs, and maps or sketches showing the work completed during the reporting period, the location, width, and assay value of all samples assayed and the geological formations and structures traversed by the drill holes shall be furnished monthly to the Government.

The Operator shall provide such supervision, labor, and technical services as may be required to complete the work in a satisfactory manner.

The location, direction, and extent of each work item shall be subject to Government approval.

The work shall be divided into two stages. The Operator shall complete all of Stage I and as much of Stage II as is authorized in advance by the Government and confirmed in writing. Approval of Stage II shall depend upon the results obtained in Stage I.

Description of the Work

Stage I

The work shall consist of bulldozing access roads to the drill sites, leveling the sites, and rotary drilling not more than 3 drill holes totalling not more than 1,000 feet. The approximate locations of the drill holes are shown on Figure 1 referred to previously.

The hole number, bearing, inclination, and approximate length of the 3 rotary drill holes are as follows:

Hole No.	Bearing	Inclination	Length in feet
1	Due South	-55°	300
2	N. 70° E.	-60°	350
3	N. 70° E.	-60°	350

Stage II

The work shall consist of bulldozing access roads to drill sites, leveling the sites, and rotary drilling not more than 3 holes totalling not more than 1,000 feet. The locations, bearing, inclination, and depth of the holes, shall be contingent upon the results obtained in Stage I.

Estimated Cost of Project

Stage I

Actual Costs

Category (1) Independent Contracts

Bulldozing access roads and drill sites,	
8 hours @ $20.00/hr.	$160.00
Mobilization and demobilization,	
drilling rig and truck	600.00
Rotary drilling (minimum hole size 3-1/2"),	
1,000 feet @ $7.00/foot	7,000.00
Lost casing in completed holes,	
~~50~~ 45 feet @ $5.80/foot	~~290.00~~ 261.00
Reaming and setting casing,	
~~100~~ 90 feet @ $3.00/foot	~~300.00~~ 270.00
Casing shoes,	
3 @ $22.00/each	66.00
	~~$8,416.00~~ $8,357.00

Category (2) Personal Services

None except:

Subcategory (a) Supervision and Technical Services

1 Supervisor,

1 month @ $750.00/month	$750.00	
1 Outside consultant,		
4 days @ $75.00/day	300.00	
		$1,050.00

Category (7) Miscellaneous

None except:

Per diem, outside consultant,		
4 days @ $16.00/day	64.00	
Transportation for consultant,		
700 miles @ $0.10/mile	70.00	
Office and accounting expenses,		
1 month @ ~~$100.00~~ $50.00 /month /month	~~100.00~~ 50.00	
Payroll taxes, F.I.C.A., insurance, etc.	109.00	
Assaying for gold and silver,		
200 samples @ $3.00/sample	600.00	$893.00 ~~834.00~~

Total Estimated Costs, Stage I $10,300.00

Stage II

Actual Costs

Category (1) Independent Contracts

Bulldozing access roads and drill sites,

8 hours @ $20.00/hr. $160.00

Rotary drilling (minimum hole size 3-1/2")

1,000 feet @ $7.00/foot 7,000.00

Lost casing in completed holes,

~~50~~ 45 feet @ $5.80/foot ~~290.00~~ 261.00

Reaming and setting casing,

~~100~~ 90 feet @ $3.00/foot ~~300.00~~ 270.00

Casing shoes,

3 @ $22.00/each 66.00 ~~$7,816.00~~ $7,757.00

Category (2) Personal Services

None except:

Subcategory (a) Supervision and Technical Services

1 Supervisor

1 month @ $750.00/month 750.00

1 Outside consultant,

4 days @ $75.00/day 300.00

$1,050.00

Category (7) Miscellaneous

None except:

Per diem, Outside consultant,		
4 days @ $16.00/day	$ 64.00	
Transportation for consultant,		
700 miles @ $0.10/mile	70.00	
Office and accounting expenses,		
1 month @ ~~$100.00~~ $50.00/month /month	~~100.00~~ 50.00	
Payroll taxes, F.I.C.A, insurance, etc.	109.00	
Assaying for gold and silver,		
200 samples @ $3.00/sample	600.00	
		~~$ 834.00~~ $893.00

Total Estimated Costs, Stage II ..... $ 9,700.00

SUMMARY

Total Estimated Costs Stage I	$10,300.00
Total Estimated Costs Stage II	9,700.00
Total Estimated Costs of the Project	20,000.00
Government Participation @ 75%	15,000.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON, D.C. 20240

B-68-2024.3192

July 23, 1968

Memorandum

To: Mr. Edward Peterson, Office of Minerals Exploration

From: Assistant Solicitor, Oil and Gas and Minerals Exploration

Subject: OME-6650 (Silver), Geomineral Corporation, Carl Claims, San Bernardino County, California

Returned herewith is OME Docket 6650, Geomineral Corporation. Before review of the proposed contract can be completed, the Operator must obtain and submit the notarized signature of "Lucille Cook," one of the claim owners, on the Assignment Agreement transferring the claims to the Operator. The notarization on the Assignment in the file is void because the notary's commission had expired prior to execution of the document by Lucille Cook.

Please return the docket and proposed contract to us when the requested document has been submitted.

Robert W. Long

Robert W. Long
Assistant Solicitor
Oil and Gas and Minerals Exploration

Enclosure

J. Russell Penny
dir BLM
Sacramento
8-916-449-~~2014~~
2113

Called Cal. BCM
5-29-68 - Mr. George Neilson
will call back by 6-7-68

Talked to Mr. Scarte
6-12-68 said Mr. Neilson
will call back 6-13-68

~~2113~~

A Special Agreement Concerning Land

In the event that the Operator or any successor thereof at any time during the period of this contract reacquires mineral rights ~~acquires any additional right, title, or interest in or with respect to any land including minerals~~ to portions of claims ~~therein,~~ situate within the claim group outlined in green ~~blue~~ on Figure 1, it is agreed that such land shall thereupon become subject to the provisions of this contract.

BLM Called off
6-14-68

Copy

DRAFT
Mr. Bliss:hm 3-5-68

Memorandum

To: California State Director, Bureau of Land Management

From: Assistant Solicitor, Oil and Gas and Minerals Exploration

Subject: Determination of validity of certain lode mining claims in San Bernardino County, California

On February 28, 1968, the Secretary handed down a decision (A-30889) affirming the Bureau of Land Management (Riverside 249, 250, 251) in declaring invalid, ab initio, portions of three unpatented mining claims (Roberts, Cook, and Armstrong, secs. 22, 23, and 27, T. 10 N., R. 1 E., S.B.M. San Bernardino County, California) due to the fact that portions of the claims were located on land withdrawn under the Recreation and Public Purposes Act, 43 U.S.C. sec. 869, prior to location. The uncontested portions of the three claims, along with two adjoining claims are now owned by the Geomineral Corporation, and are being considered by the Office of Minerals Exploration for a Government participation contract in an exploration project for silver (OME-6650).

The question has been raised as to the validity of the portions of the three contested claims which were not located within the withdrawn area. We understand that if a significant part of the mineral discovery on these claims is within the area withdrawn prior to discovery (and now declared void), the remaining portions of the claims would be invalid for lack of discovery.

We would appreciate your conducting an inspection of the uncontested portions of these three claims and a determination of their present validity. An early reply would greatly expedite the processing of the application of the present owner of the claims for an OME contract.

cc to Ed Peterson, OME, rm. 4459
OME file, rm. 4450

B-68-2024.3192

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON, D.C. 20240

March 6, 1968

Memorandum

To: California State Director, Bureau of Land Management

From: Assistant Solicitor, Oil and Gas and Minerals Exploration

Subject: Determination of validity of certain lode mining claims in San Bernardino County, California

On February 28, 1968, the Secretary handed down a decision (A-30889) affirming the Bureau of Land Management (Riverside 249, 250, 251) in declaring invalid, ab initio, portions of three unpatented mining claims (Roberts, Cook, and Armstrong, secs. 22, 23, and 27, T. 10 N., R. 1 E., S. B. M. San Bernardino County, California) due to the fact that portions of the claims were located on land withdrawn under the Recreation and Public Purposes Act, 43 U.S.C. sec. 869, prior to location. The uncontested portions of the three claims, along with two adjoining claims are now owned by the Geomineral Corporation, and are being considered by the Office of Minerals Exploration for a Government participation contract in an exploration project for silver (OME-6650).

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We would appreciate your conducting an inspection of the uncontested portions of these three claims and a determination of their present validity. An early reply would greatly expedite the processing of the application of the present owner of the claims for an OME contract.

Robert W. Long

Robert W. Long
Assistant Solicitor
Oil and Gas and Minerals Exploration

RBliss:jfg:3-6-68
cc: Secy's files
Sol's dkt
Mr. E. Peterson,
OME, rm. 4459
OME files - rm. 4450

Mr Bliss

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

August 8, 1968

OFFICIAL COPY
1968

Memorandum

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

From: Field Officer
Region II

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California

Enclosed are the Lien and Subordination Agreements, signed by all the owners, and a new Assignment Agreement signed by Mrs. Lucille F. Cook as requested in my letter dated June 19, 1968.

H. K. Stager

Enclosures

IN REPLY REFER TO:

B-68-2024.3192

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON, D.C. 20240

July 23, 1968

Memorandum

To: Mr. Edward Peterson, Office of Minerals Exploration

From: Assistant Solicitor, Oil and Gas and Minerals Exploration

Subject: OME-6650 (Silver), Geomineral Corporation, Carl Claims, San Bernardino County, California

Returned herewith is OME Docket 6650, Geomineral Corporation. Before review of the proposed contract can be completed, the Operator must obtain and submit the notarized signature of "Lucille Cook," one of the claim owners, on the Assignment Agreement transferring the claims to the Operator. The notarization on the Assignment in the file is void because the notary's commission had expired prior to execution of the document by Lucille Cook.

Please return the docket and proposed contract to us when the requested document has been submitted.

Robert W. Long

Robert W. Long
Assistant Solicitor
Oil and Gas and Minerals Exploration

Enclosure

IN REPLY REFER TO:
B-68-2024.3192

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON, D.C. 20240

OFFICIAL COPY
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June 21, 1968

Memorandum

To: Assistant Chief, Office of Minerals Exploration

From: Assistant Solicitor, Oil and Gas and Minerals Exploration

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernadino County, California

As you may recall, the question of the validity of three of the claims covered by the above-mentioned contract was referred to the California State Director, Bureau of Land Management (see my memorandum of March 6, 1968).

By telephone on June 14, 1968, we were informed by Mr. George Neilson of the California State Director's Office, BLM, that it is not their policy to contest the validity of unpatented mineral claims on public land unless the claim comes in conflict with another proposed valid use of the land. Mr. Neilson explained that the Congressional intent in permitting the location of mineral claims on public lands was to encourage domestic mineral discovery and production. Only when a claimant attempts to patent a claim, or when the claim conflicts with another land use provided for under the Public Land Laws, is the validity of a claim examined or questioned. He stated that in all probability this situation will not arise with respect to the claims covered by the proposed contract.

As far as the proposed exploration project is concerned, the existence of a "discovery" of minerals on the surface of the remaining portions of these three claims is irrelevant. The applicant has exhibited what appears to be sufficient evidence obtained through

geochemical surveys that there is a strong likelihood of discovering a sizeable ore body on these claims through rotary drilling and other geologic exploration techniques.

Based on the information supplied by BLM, as discussed above, we are satisfied that the applicant has sufficient rights in the land to warrant execution of the proposed exploration contract. Therefore, we will proceed to review the remainder of the application for legal sufficiency.

Robert W. Long

Robert W. Long
Assistant Solicitor--Oil and Gas
and Minerals Exploration

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON, D.C. 20240

B-68-202

June 21, 1968

Memorandum

To: Assistant Chief, Office of Minerals Exploration

From: Assistant Solicitor, Oil and Gas and Minerals Exploration

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernadino County, California

As you may recall, the question of the validity of three of the claims covered by the above-mentioned contract was referred to the California State Director, Bureau of Land Management (see my memorandum of March 6, 1968).

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Based on the information supplied by BLM, as discussed above, we are satisfied that the applicant has sufficient rights in the land to warrant execution of the proposed exploration contract. Therefore, we will proceed to review the remainder of the application for legal sufficiency.

Robert W. Long

Robert W. Long
Assistant Solicitor--Oil and Gas
and Minerals Exploration

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

OFFICIAL
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O. M. E.
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S.P. 120

June 19, 1968

Mr. William F. Roberts
11169 So. Chadsey Drive
Whittier, California 90604

Re: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California

Dear Mr. Roberts:

In reference to our telephone conversation this morning, enclosed is a set (5 copies) of MME Form 52, Lien and Subordination Agreements, to be prepared by you and signed by all of the owners of the claims that are to be included in the proposed OME project. Return the five signed copies to me.

Will you also please request Mrs. Lucille Cook to execute a new Assignment Agreement. The commission of the Notary Public, who witnessed her signature on January 4, 1968, had expired in October 1967. This should also indicate that she is now the owner of the Cook Claim, inasmuch as Mr. Cook is now deceased.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosures

cc: Chief, WDC, OME
Dir. RF
ACG RF
MP RF
Docket

HKStager:mkh

B-68-2024.3192

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON, D.C. 20240

March 6, 1968

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Zlg	120
HK	120

Memorandum

To: California State Director, Bureau of Land Management

From: Assistant Solicitor, Oil and Gas and Minerals Exploration

Subject: Determination of validity of certain lode mining claims in San Bernardino County, California

On February 28, 1968, the Secretary handed down a decision (A-30889) affirming the Bureau of Land Management (Riverside 249, 250, 251) in declaring invalid, ab initio, portions of three unpatented mining claims (Roberts, Cook, and Armstrong, secs. 22, 23, and 27, T. 10 N., R. 1 E., S.B.M. San Bernardino County, California) due to the fact that portions of the claims were located on land withdrawn under the Recreation and Public Purposes Act, 43 U.S.C. sec. 869, prior to location. The uncontested portions of the three claims, along with two adjoining claims are now owned by the Geomineral Corporation, and are being considered by the Office of Minerals Exploration for a Government participation contract in an exploration project for silver (OME-6650).

The question has been raised as to the validity of the portions of the three contested claims which were not located within the withdrawn area. We understand that if a significant part of the mineral discovery on these claims is within the area withdrawn prior to discovery (and now declared void), the remaining portions of the claims would be invalid for lack of discovery.

We would appreciate your conducting an inspection of the uncontested portions of these three claims and a determination of their present validity. An early reply would greatly expedite the processing of the application of the present owner of the claims for an OME contract.

Robert W. Long

Robert W. Long
Assistant Solicitor
Oil and Gas and Minerals Exploration

RBliss:jfg:3-6-68
cc: Secy's files
Sol's dkt
Mr. E. Peterson,
OME, rm. 4459
OME files - rm. 4450

Ed Peterson sent his copy to F.O.K-II 3/7/68

R-II

IN REPLY REFER TO:

B-68-2024.3192

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON, D.C. 20240

February 8, 1968

Memorandum

To: Assistant Chief, Office of Minerals Exploration

From: Assistant Solicitor, Oil and Gas and Minerals Exploration

Subject: OME-6650 (Silver) Geomineral Corporation
Carl Claims, San Bernadino County, California

Due to the fact that portions of three of the five claims covered by this proposed contract are in dispute between the Operator and the Bureau of Land Management we feel that it would not be appropriate to approve the contract at this time.

As it stands now the BLM has denied the operator's appeal as to the portions of the three claims which lie within a tract which allegedly was withdrawn for recreational purposes prior to location by the individuals who have assigned their claims to the operator (Geomineral). The operator has now appealed to the Secretary. It appears that this case (Branch of Land Appeals A 30889) will be decided within the next few weeks. Accordingly we should defer consumation of this contract pending the Secretary's decision.

We have discussed this matter with the Branch of Land Appeals and apparently their decision could not only affirm the BLM decision, but should BLM elect to contest the claims, could go further and find that the operator has made no valid discovery on any of the claims in dispute within the meaning of the Public Land Laws. Judging from the file, and particularly the Field Office report on the property, this is entirely possible. Should this occur we would be in an embarrassing situation if the contract were granted.

Robert W. Long

Robert W. Long
Assistant Solicitor
Oil and Gas and Minerals Exploration

Form 1542-4
(August 1965)
(formerly 4-1123)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROUTING AND TRANSMITTAL SLIP

TO				
CODE	NAME	ORGANIZATION	ACTION	ROOM NO.
	Mr Richard Bliss			
	Rm 6554			
	Solicitor's Office			
	Dept of the Interior			

Indicate Action by Number

1. Necessary action
2. Approval
3. Signature
4. Prepare reply
5. Your comment and return
6. Note and surname
7. Note and return
8. Your information
9. See me
10.

From	Date	Room No.
Frances Patton	2/6/68	3A22 ~~Robin Bldg~~
Office		**Phone**
Office of Appeals & Hearings		179-3400

Remarks

Please Hand Carry

SPECIAL

GPO 851-696

Mining Claims: Lands Subject to 3400

After a classification under the Recreation and Public Purposes Act (43 U.S.C. § 869 (1964)) has been revoked and the lands are opened to location and entry under the United States mining laws, it is not proper to declare mining claims located thereafter as null and void *ab initio* for reason that the lands are not open to location.

Elizabeth Laue, Riverside 252 (August 21, 1967)

In reply refer to:
704
Riverside 252

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Washington D.C. 20240

August 21, 1967

DECISION

Elizabeth Laue : Lode Mining Claim

Decision Vacated

Mrs. Elizabeth Laue has appealed from a decision of our Riverside district and land office dated November 17, 1966, which declared her Betty Laue lode mining claim null and void as to lands within lot 54 section 22, T. 10 N., R. 1 E., S.B.M., San Bernardino County, California, for the reason that the said lot 54 (formerly SW¼ lot 14) had been classified for lease or sale under the Recreation and Public Purposes Act (43 U.S.C. § 869 (1964)), and so was segregated from location under the United States mining laws.

On appeal Mrs. Laue contends essentially that the land office records do not show the subject lands to be withdrawn from mining location.

Review of the records show that the Betty Laue lode mining claim was located April 13, 1966, in the SE¼ section 22, NE¼ section 27, T. 10 N., R. 1 E., S.B.M. That portion of the mining claim in section 22 lies within the SW¼ lot 54 for which a classification under the Recreation and Public Purposes Act, supra, was revoked, and the land was opened to mining location on and after June 22, 1964. 1/

Accordingly, it was error for the district and land office to hold the Betty Laue lode mining claim null and void ab initio on the basis that the land was not open to mining location. The decision below is vacated.

This finding is not a determination that the Betty Laue lode mining claim is valid under the United States mining laws.

The case file is returned to the Riverside district and land office for further appropriate action.

Newton Fishburn
Chief, Office of Appeals and Hearings

Dist. on page 2

1/ District and land office Notice issued June 12, 1964; 43 CFR 2232.1-4(b).

DISTRIBUTION:
Robert Dean Upp, Attorney for Appellant
Mrs. Elizabeth Laue
Div L&M S&T (4)
Div L&M PM (2)
OPD
Gower Federal Service
Appeals List No. 1
DEH

Mining Claims: Lands Subject to 3400

It is proper to declare mining locations null and void *ab initio* as to lands classified for disposal, and under lease, pursuant to the Recreation and Public Purposes Act (43 U.S.C. § 869 (1964)).

C. V. Armstrong, et al., Riverside 249, etc. (August 21, 1967)

In reply refer to:
704
Riverside 249, 250, 251

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Washington, D. C. 20240

August 21, 1967

Certified Mail
Return Receipt Requested

DECISION

C. V. Armstrong :
William Roberts
Harold S. Cook, Jr. :

Lode Mining Claims

Decisions Affirmed, as Modified

Messrs. C. V. Armstrong, William Roberts, and Harold S. Cook, Jr., have individually appealed from separate decisions of our Riverside district and land office dated November 17 or 22, 1967, which declared the Armstrong, Roberts, and Cook lode mining claims null and void ab initio insofar as they include lands within W½ lot 14 (now lots 53, 54), W½ lot 34 (now lot 46), or N½ lot 41 (now lot 51) section 22, T. 10 N., R. 1 E., S.B.M., San Bernardino County, California, for the reason that these lands are not open to mining location because they were classified for disposal only under the Recreation and Public Purposes Act (43 U.S.C. § 869 (1964)) by an order dated October 24, 1962 (Riverside 02287), and are presently under lease and/or under application for purchase under the Recreation and Public Purposes Act by San Bernardino County. Because the appellants submitted identical appeals, they have been consolidated for the purposes of this decision.

The appellants contend that the classification for Recreation and Public Purposes is contrary to the public interest because mining is the major resource activity in the area, that the land office records did not reflect the withdrawal of the subject lands from mining location when the subject lode mining claims were located, that the land office did not follow the directions set forth in 43 CFR 2410.1-4(a)(2) in the classification of the land nor of 43 CFR 2243.2-6(c) as to posting of the order, and that the employees of the Bureau of Land Management gave erroneous information as to the availability of the land.

The record discloses that the Roberts lode mining claim was located February 20, 1966, in W½ lot 14 (now lot 53, SW¼ lot 54), lot 40, lot 41 (now lots 51 and 52) section 22, and NE¼ section 27, T. 10 N., R. 1 E., S.B.M., San Bernardino County, California. The Cook lode mining claim was located February 20, 1966, in lot 14 (now lots 53 and 54) section 22, and W½SW¼ section 23, T. 10 N., R. 1 E., S.B.M. The Armstrong lode mining claim was located February 22, 1966,

in N½ lot 14 (now lot 53, NE¼ lot 54), lot 34 (now lots 45 and 46) section 22, and NW¼SW¼ section 23, T. 10 N., R. 1 E., S.B.M. A supplemental plat of survey for section 22, T. 10 N., R. 1 E., S.B.M., was approved August 24, 1966, delineating lot 45 in lieu of E½ lot 34, lot 46 in lieu of W½ lot 34, lot 51 in lieu of N½ lot 41, lot 52 in lieu of S½ lot 41, lot 53 in lieu of NW¼ lot 14, lot 54 in lieu of SW¼, E½ lot 14. A classification order (Riverside 02287) dated October 24, 1962, classified, inter alia, lots 14, 34, and 41, section 22, T. 10 N., R. 1 E., S.B.M., as proper for disposal only under the Recreation and Public Purposes Act, supra. A restoration from this classification order, effective June 22, 1964, opened the E½, SW¼ lot 14 (now lot 54), E½ lot 34 (now lot 45), and S½ lot 41 (now lot 52) in section 22, T. 10 N., R. 1 E., to mining location. The NW¼ lot 14 (now lot 53), W½ lot 34 (now lot 46), and N½ lot 41 (now lot 51), inter alia, are included in recreation lease Riverside 03436, issued to San Bernardino County, effective August 1, 1963, and amended June 12, 1964. These lands are also included in the application to purchase filed by the County.

The appellants are mistaken in applying 43 CFR 2243.2-6(c) and 2410.1-4(a)(2) to the existing classification for recreation and public purposes. These regulations relate solely to the classification of land for sale under the Public Land Sale Act of 1964 (43 U.S.C. §§ 1421-1427 (1964)), and to the Classification and Multiple Use Act of 1964 (43 U.S.C. §§ 1411-1418 (1964)), respectively. Neither of these acts is germane to a recreation and public purposes classification outstanding when these statutes became law.

The Recreation and Public Purposes Act, supra, provides, inter alia, that lands classified for disposition under the act may not be appropriated under any other public land law unless the Secretary of the Interior revises the classification specifically to provide for such disposition, and that patents and leases issued under the act shall reserve to the United States all mineral deposits in the lands together with the right to mine and remove such deposits under applicable laws and regulations to be established by the Secretary. Such regulations have not yet been promulgated by the Secretary.

Notices of the location of mining claims on lands covered by a lease issued under the Recreation and Public Purposes Act are properly rejected because such lands are not subject to mining location until the Secretary of the Interior has adopted regulations permitting the disposition of minerals under the mining laws on such lands. Carl F. Murray and Clinton D. Coker, 67 I.D. 132 (1960).

As the Armstrong lode mining claim invaded land in lots 46 and 53, the Roberts lode mining claim invaded land in lots 51 and 53, and the Cook lode mining claim invaded land in lot 53, section 22, T. 10 N., R. 1 E., S.B.M., within recreation and public purposes lease Riverside 03436, each of these mining claims was invalid as to such lands ab initio.

If erroneous status information relating to these lands was given by the district and land office employees, it is to be regretted, but the Department has consistently held that erroneous advice given by personnel of the Bureau of Land Management cannot confer a right not authorized by law. Wayne E. Bright, A-30475 (February 4, 1966). See also United States v. Richard Deane Lance, 73 I.D. 218 (1966).

The decisions appealed from are affirmed with modification to declare the Roberts lode mining claim null and void ab initio only as to lands lying within lots 51 and 53, and the Cook lode mining claim null and void ab initio only as to lands lying within lot 53, section 22, T. 10 N., R. 1 E., S.B.M., for the reasons above discussed.

No determination as to the validity of the Armstrong, Roberts or Cook lode mining claims for the remaining lands embraced therein is made by this decision.

Messrs. C. V. Armstrong, William Roberts, and Harold S. Cook, Jr., are each allowed the right of appeal to the Secretary of the Interior in accordance with the regulations in 43 CFR Part 1840. See enclosed Form WO 1844-1 and Circular 2137. If an appeal is taken it must be filed with the Director, Bureau of Land Management, Washington, D. C. 20240. The filing fee will be computed on the basis of $5 for each mining claim included in the appeal. If the appeal covers all three mining claims adversely affected by this decision the total filing fee will be $15. In taking an appeal there must be strict compliance with the regulations. If an appeal is filed the appellant will have the burden of proving, by presenting positive and substantial evidence, wherein the decision appealed from is in error.

Frances A. Patton

Chief, Branch of Mineral Appeals
Office of Appeals and Hearings

Enclosures 2

DISTRIBUTION
Robert Dean Upp, Attorney for Appellants (Certified Mail)
C. V. Armstrong
William Roberts
Harold S. Cook, Jr.
Div. of L&M S&T (4)
Div. of L&M PM (2)
OPD
Gower Federal Service
Appeals List No. 1
DEH

OME Surname Copy

2/1/68 EP 120

February 1, 1968 120

Memorandum ~~110~~

To: The File 120M

From: Assistant Chief, Office of Minerals Exploration

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California

The "Special Agreement Concerning Land" is included in Annex I of the proposed contract because of a dispute between the claim locators and the Bureau of Land Management.

The surveyed location notices for five claims shown on Figure 1 were filed with the County Recorder of San Bernardino County, California, on April 29, 1966. Portions of four claims (Armstrong, Cook, Roberts, Betty Laue) subsequently were withdrawn as non-mineral land and reclassified for recreational purposes by the Bureau of Land Management (Bureau Motion Classification Riverside 02287), and later a portion of the Armstrong claim was leased to the County of San Bernardino. These actions are explained in detail in a letter dated June 1, 1967, to OME from Robert Dean Upp, attorney for the claim locators. The letter and accompanying map are attached. The Applicant advised the Field Officer on January 31, 1968, that BLM has restored mineral rights to the Betty Laue claim, and that the Applicant's appeal for restoration of mineral rights to the other claims is pending decision in the Department.

There is no problem concerning the withdrawn land insofar as the presently proposed exploration is concerned because the proposed drilling is outside the disputed area. However, if geological structures of economic importance are disclosed by the drilling, it is possible that additional exploration and/or mining operations would be warranted within the disputed area if it were available for such purposes.

Harold Kirkemo

Harold Kirkemo

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

HKirkemo/gla 2-1-68

OME Surname Copy

2/1/68 EP 120

February 1, 1968 120

Memorandum ~~110~~

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Harold Kirkemo

Harold Kirkemo

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

HKirkemo/gla 2-1-68

ROBERT DEAN UPP
ATTORNEY AT LAW
SUITE 220
9220 SUNSET BOULEVARD
LOS ANGELES, CALIFORNIA 90069
TELEPHONE 663-8241

1 June 1967

TO: Office of Mineral Exploration, Geological Survey, Department of Interior

SUBJECT: Current Status of Certain Mineral Claims

1. My clients, Mr. C. V. Armstrong, Mr. Harold S. Cook, Jr., Mr. Eric Laue, Mr. William Roberts, and Mrs. Elizabeth Laue, have requested that I submit an analysis of the current legal status of their mineral claims, located in Sections 22, 23, and 27 of Township 10 North, Range 1 East of the San Bernardino Base and Meridian, as set forth on the attached survey map marked "EXHIBIT 1".

2. My clients, after checking the land records and with the officials in the Riverside office of the Bureau of Land Management, and after receiving assurances from these officials that the subject land was open for mineral claims, then completed the necessary discovery work and established five separate lode mining claims as set forth on "EXHIBIT 1" attached hereto. They also established at the same time a placer claim including these lode claims as a portion thereof. The surveyed location notices were filed with the County Recorder of San Bernardino County on 29 April 1966.

3. Without receiving prior notice of any hearing on the matters, my clients received written notice of Decisions affecting portions of their claims, as follows:

(1) Mr. C. V. Armstrong, ARMSTRONG LODE MINING CLAIM, Case #R 249, notice dated 17 November 1966, to the effect that certain portions of said claim had been leased to the County of San Bernardino. The leased parts are indicated on attached "EXHIBIT 1" as "1a" and "1b", enclosed in heavy black line.

(2) Mr. Harold S. Cook, Jr., COOK LODE MINING CLAIM, Case #251, notice dated 22 November 1966, to the effect that certain portions of said claim had been withdrawn as non-mineral land and reclassified for recreational purposes pursuant to Bureau Motion Classification Riverside 02287, as amended, for lease and/or sale for recreational purposes. The affected portions are indicated on attached "EXHIBIT 1" as "2", enclosed in the green line.

(3) Mr. William Roberts, ROBERTS LODE MINING CLAIM, Case #R 250, notice dated 22 November 1966, to the effect that certain portions of said claim had been withdrawn as non-mineral land and reclassified for recreational purposes pursuant to Bureau Motion Classification Riverside 02287, as amended, for lease and/or sale for recreational purposes. The affected portions are indicated on attached "EXHIBIT 1" as "3a" and "3b", enclosed in the blue line.

(4) Mrs. Elizabeth Laue, BETTY LAUE LODE MINING CLAIM, Case #R 252, notice dated 17 November 1966, to the effect that certain portions of said

claim had been withdrawn as non-mineral land and reclassified for recreational purposes pursuant to Bureau Motion Classification Riverside 02287, as amended, for lease and/or sale for recreational purposes. The affected portions are indicated on attached "EXHIBIT 1" as "4", enclosed in the red line.

4. Those of my clients affected by the Decisions hereinabove set forth have appealed to the Bureau of Land Management on the following grounds:

(1) Public interest is best served by the recoery of valuable minerals;

(2) Lands in issue were improperly classified as non-mineral when, historically, the entire area has always been mineral land; adjacent areas are still being worked for minerals; and my clients' discoveries demonstrate that it is in fact valuable mheral land;

(3) Maps and records were not properly posted by the Riverside office of the Bureau of Land Management; employees of the Riverside office assured my clients that the area was open for mineral claims; and there was no way that claimants were put on notice that the lands were withdrawn;

(4) No prior notice of any hearing was given to my clients, despite the fact that their surveyed discoveries were properly recorded;

(5) That the Secretary of the Interior has the power to reverse these decisions and that he is bound by his own regulations.

5. The merits of the cases are with my clients for the following reasons:

(1) They can demonstrate valuable mineral discoveries, the exploration and recovery of which would best serve the national interest, and which surely prove that the lands in question are definitely mineral;

(2) With the exception of the lease on the ARMSTRONG LODE MINING CLAIM, no other leases and/or sales have yet been made of the disputed areas;

(3) That even if leases and/or sales of the disputed areas are made, the United States government still reserves all mineral rights to the land and the Secretary of the Interior is empowered to grant further leases to such mineral rights;

(4) If my clients should lose their appeal before the Bureau of Land Management, they plan a further appeal to the Secretary of the Interior, and if their administrative remedies prove unsuccessful, to carry the matters over into the Federal Courts;

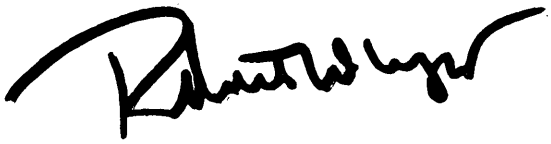
(5) In the unlikely event that my clients should fail to prevail in these actions, and be unable to have these Decisions set aside and the

ROBERT DEAN UPP
ATTORNEY AT LAW
1 June 1967

lands in issue transferred to their mineral claims, despite the fact that they might lose some of the best potential lode area, there would still be enough land remaining in their claims to justify the making of extensive mineral explorations.

6. Based on the facts set forth herein, it is my considered opinion that the lode mineral claims herein referred to, and as shown on attached "EXHIBIT 1", were legally established; that the claimants mineral rights are entitled to priority over any reclassification for recreational purposes; that an attempted reclassification was not legally accomplished; that the Secretary of the Interior has the power to grant mineral rights to the questioned areas even if reclassified; that a present discovery of valuable minerals is of vital interest to our country; and that these claimants should make every possible effort to further explore and develop these claims without any further delay. In my opinion, their legal title to the mineral claims is adequate and sufficient to warrant extensive financial support by your Office.

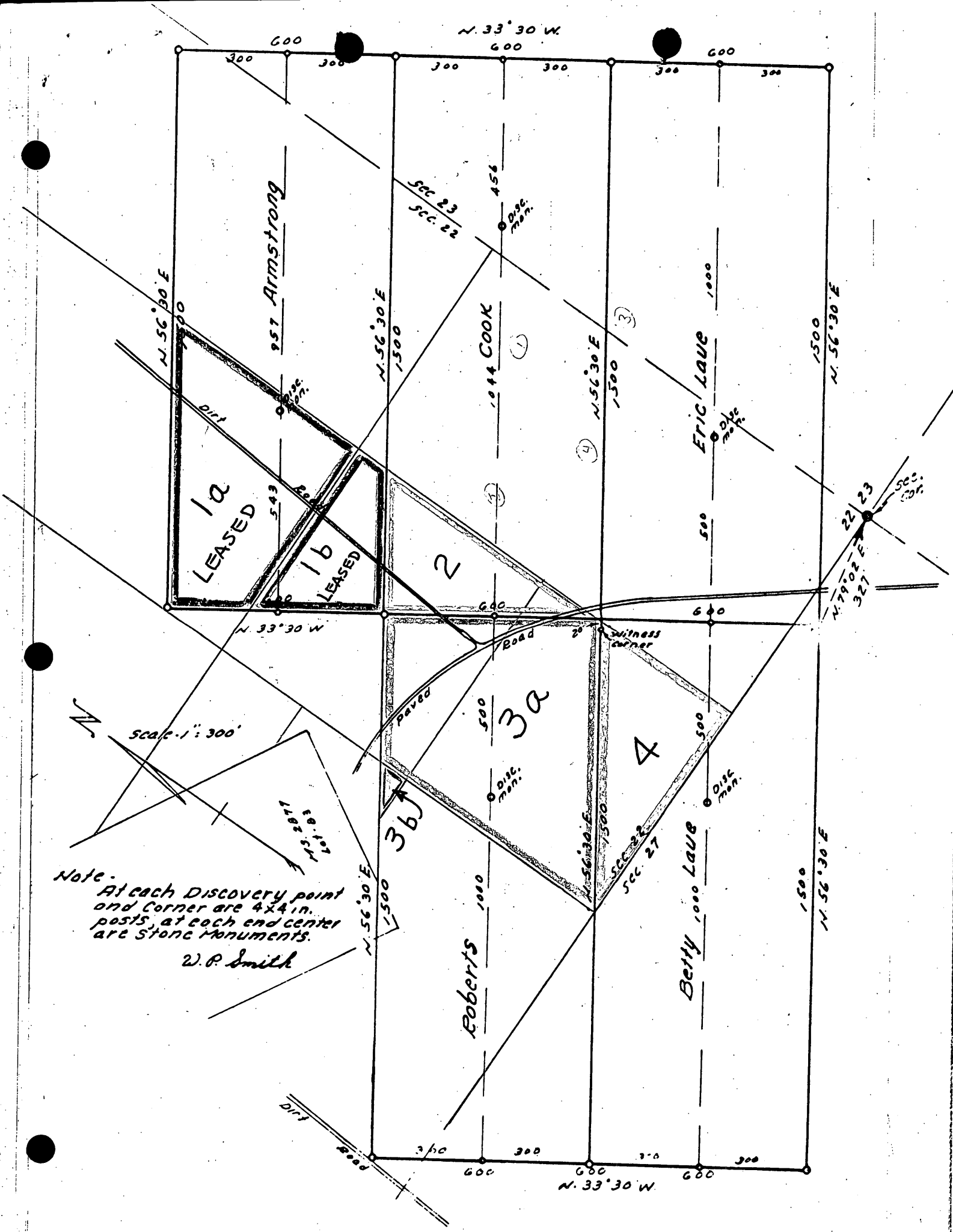
Respectfully submitted,



RDU:j

Encl
"EXHIBIT 1"
Mineral Claims Survey

ROBERT DEAN UPP
Attorney for Claimants
C. V. Armstrong
Harold S. Cook, Jr.
William Roberts
Eric Laue
Elizabeth Laue


N. 33° 30 W.
600
300
Armstrong
951
Sec. 23
Sec. 22
456
Disc. mon.
N. 56° 30 E
1500
1000
Cook
1044
Eric Laub
500
543
1a
LEASED
1b
LEASED
2
3a
3b
4
Dirt Road
Paved Road
Witness corner
Sec. 22
Sec. 23
Sec. 27
Sec. cor.
N. 79° 02 E
327
Scale 1" : 300'
Roberts
Betty Laub
Note:
At each Discovery point and corner are 4x4 in. posts, at each end center are stone monuments.
W. P. Smith

"EXHIBIT 1"-1

GEOMINERAL'S CLAIMS AND CONFLICTS

WITH BUREAU OF LAND MANAGEMENT

CLAIM			
ARMSTRONG	R 249	1a	W½ Lot 34
		1b	W½ Lot 14
COOK	R 251	2	W½ Lot 14
ROBERTS	R 250	3a	W½ Lot 14
		3b	N½ Lot 41
BETTY LAUE	R 252	4	SW¼ Lot 14

Copy to R-II

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

January 5, 1968

Memorandum

To: Chief, Office of Mineral Exploration

From: R. G. Reeves

Subject: Review of application for assistance for exploration of the Carl Claims, Calico Mining District, San Bernardino Co., California by the Geomineral Corp.

The applicants propose to explore at the Carl Claims for silver deposits inferred to underlie geochemical and geophysical anomalies, approximately at the intersection of the Calico Frontal and Doran faults. Anomalous amounts of mercury in an area about 2000 feet by 1000 feet were found using a "geo-merc" mercury snifter similar to that developed by the Geological Survey. A "paraffin dirt" anomaly, roughly coextensive with the mercury anomaly, was found with a "geo-pulse" instrument. The geophysical anomaly is a layer (?) of higher than normal resistivity at a depth of 90 to 100 feet; no lateral limits appear to have been found.

The existence of higher than normal concentrations of mercury at the intersection of two fault systems might be due to the presence of a silver or base-metal ore body at depth, or it might simply mean that the fault zones and especially their intersection might have served as a channelway for mercury bearing "solutions" emanating from the cooling volcanic rocks at depth. Although it has been pretty conclusively demonstrated that many, if not most, metal sulfide deposits have mercury halos associated with them, what is not very well known is the number of mercury anomalies along faults and other structural features that are not associated with ore deposits. I agree with the applicant, rather than the consultant, that the possibility of widespread contamination from the tailings is remote.

The coextensive "paraffin dirt" anomaly could add credence to the mercury anomaly; however, not enough is known about the association of paraffin dirt with hydrogen, H_2S, and hydrocarbon gases, let alone the unique associations of those gases with ore deposits.

The geophysical anomaly appears to be meaningless as an indicator of an ore deposit. Even their "geophysicist" (Research Scientist Eric G. Lane of the Jet Propulsion Laboratory) says as much.

The mercury anomaly, the "paraffin dirt" anomaly, the apparently favorable structural setting, and silver deposits in a similar setting and in the immediate vicinity suggest that the proposed target could well be a silver ore body. The proposal, as modified by Hal Stager, seems entirely reasonable, and I recommend that the loan be approved.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Memorandum

December 13, 1967

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

From: Field Officer
Region II

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, Calif.

OFFICIAL COPY
O. M. E.
RECEIVED
DEC 15 1967

INITIALS	CODE
gla	130
BHK	120
PEG	110
EDL	130

Enclosed is an Application Report on the subject property recommending that a contract be granted consisting of 2,000 feet of drilling from surface sites at an estimated cost of $20,000.00.

Also enclosed are five extra copies of Figures 2 and 3, for your use if a contract is granted.

H. K. Stager

Enclosures

UNITED STATES

DEPARTMENT OF THE INTERIOR

STEWART L. UDALL, SECRETARY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION

REGION II

APPLICATION REPORT

OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California

By

H. K. Stager
Field Officer
OME, Region II

December 13, 1967

On-site Report

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ILLUSTRATIONS

Figure 1. Index map of San Bernardino County, California.

Figure 2. Property map of Carl Claims.

Figure 3. Map showing location of proposed exploration, Carl Claims.

INTRODUCTION

The Geomineral Corporation, 525 Subway Terminal Building, 417 South Hill Street, Los Angeles, California 90013, applied to the Office of Minerals Exploration for Government assistance in an exploration project, Docket OME-6650, to explore for silver on the Carl Claims, Calico mining district, San Bernardino County, California. The applicant infers the presence of silver ore bodies along a fault contact between sedimentary and volcanic rocks of the Barstow Formation of Tertiary age and wishes to explore the deposit by drilling from surface sites.

A field examination was requested by the Office of Minerals Exploration and was made by H. K. Stager, Field Officer, on October 15, 1967, accompanied by Thor Kiilsgaard and George O. Gates of the Geological Survey and by Harold S. Cook, Jr., president, and William F. Roberts, secretary-treasurer, of Geomineral Corporation. The applicant's maps, cross sections, and geochemical assay data were examined and compared with surface exposures in the claim area.

SUMMARY

The Carl Claims contain a significant silver-mercury anomaly in slope wash and alluvial material overlying limestone and andesite of Tertiary age. The results of the examination indicate that silver-bearing ore bodies may be discovered by the proposed exploration. Following the examination, the applicant's proposed program was discussed and some revisions in the hole locations were considered advisable. The revised program consists of 2,000 feet of drilling from surface sites in 6 or more holes, with sufficient bulldozer work to prepare the necessary drill

sites. The program will require about 2 months to complete and is acceptable to the applicant. The project site is readily accessible and facilities for accomplishing the work are available.

RECOMMENDATIONS

It is recommended that the Government enter into a contract with the Geomineral Corporation to provide 75 percent of the costs of the proposed exploration program to explore the Carl Claims. The program will require about 2 months to complete and the Government's share of the estimated total cost of $20,000 would be $15,000.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The Carl Claims are in secs. 22, 23, and 27, T. 10 N., R. 1 E., SBBM, on the south flank of the Calico Mountains, at an altitude of about 2,300 feet, Calico mining district, San Bernardino County, Calif. (Fig. 1).

To reach the property, that is about 10 miles northeast of Barstow (the closest town), drive 7 miles east on Interstate Highway 15, turn north on the Calico Road and drive 3.5 miles to the intersection of Doran Scenic Drive. The property surrounds this intersection (Fig. 2) and is readily accessible in all weather. The drive from Barstow usually requires about 15 minutes.

Mail, telephone, trucking, and railroad services are available in Barstow, as well as labor, mining equipment, materials and supplies. Water is hauled from Barstow or obtained from nearby wells. Assay service is available in Los Angeles (145 miles) at $3-$4 per sample for silver and gold.

PROPERTY

History and Production

The Calico district was discovered in 1881 and most of the larger deposits were opened the following year. In 1890, at the peak of activity, mills totaling 150 stamps were treating the ores and about 700 men were employed in the mines and mills. The depletion of the known high-grade ores and a drop in the price of silver from $1.13 to 57¢ per ounce, in 1896, led to virtual cessation of mining. During the period 1882-1896 the district yielded silver ore with a total value estimated from 13 to 20 million dollars. There has been no significant production since that period.

The Carl Claims were located in 1966 and the applicant has conducted extensive geochemical and geophysical work on the property. This work has disclosed the anomaly that is to be explored by the proposed project. There has been no ore mined from the claim area by the applicant and there is no record, or indications, of production by previous owners.

A nearby (1 mile) large low-grade deposit, in a setting geologically similar to the Carl Claims, is presently being explored and developed for mining by the American Smelting and Refining Company. This deposit is reported to contain several millions of tons of ore and will be mined by open-pit methods and milled in a 15,000-ton-per-day plant to be constructed on the property.

Ownership

The property consists of five unpatented mining claims owned by the applicant. These claims are recorded at San Bernardino, Calif., as follows:

Claim Name	Book	Page	Microfilm
Cook	457	505-507	672
Armstrong	457	508-510	673
Roberts	457	511-513	674
Eric Laue	457	514-516	675
Betty Laue	457	517-519	676

The area covered by these claims is shown in Figure 2. These claims were recorded in the names of the corporation members but are being transferred to Geomineral Corporation at the present time. A copy of the transfer agreement will be submitted to OME as soon as it is available.

Parts of four claims are being contested by the Bureau of Land Management as being nonmineral land and classified for recreational purposes. None of the proposed exploration is in the contested areas (Fig. 2).

Financial Eligibility

The applicant furnished copies of letters to two banks requesting loans for the proposed work and also copies of letters denying the loans. The applicant proposes to furnish its share of the exploration costs in funds available from the members of the corporation.

Development

There are no surface or underground facilities on the property. Several shallow bulldozer trenches constitute the only development and these do not reach bedrock.

GEOLOGY

Geologic Setting

The Calico district is an area of relatively high relief and exposures are good. The rocks exposed in the district are volcanic rocks and sedimentary lake deposits of Tertiary age that rest upon an unexposed pre-Tertiary crystalline basement. These Tertiary rocks are about 5,000 feet thick and consist of a thick (3,000-4,000 ft) lower unit of tuff, tuff breccia, agglomerate, rhyolite, dacite, and andesite overlain by about 1,000 feet of lake beds and a thin (200-500 ft) upper unit of andesite. Bedding in the sedimentary rocks, in general, strikes northwest or north and dips moderately west.

In the area of the Carl Claims the exposed rocks consist chiefly of limestone, shale, and conglomerate in fault contact with andesite and in part covered by alluvium. The sedimentary rocks dip moderately to steeply southeast along a small fold or syncline that plunges southwest. These rocks are cut off on the southwest by the Calico frontal fault (Fig. 3) that is vertical or steeply dipping and has both right-lateral and dip-slip displacement; and on the southeast by the Doran fault that is also steeply dipping or vertical and has left-lateral and dip-slip movement. It is along these two faults, and in the area of their intersection, that the geochemical anomaly occurs and the proposed exploration is planned.

Ore Deposits

The silver ore deposits that have been mined in the Calico district are of two major types: those occurring in faults or fractures and those occurring in shallow pockety disseminations. Both types are characteristically shallow, few mines exceeding 200 feet in depth, although the veins commonly do continue to considerable depths below the minable silver mineralization.

The type of deposit occurring at the Carl Claims is not known. The geochemical anomalies may indicate a disseminated deposit in the sedimentary rocks or may indicate a veinlike deposit in the brecciated material along the Doran or Calico frontal faults. Both the mercury anomaly, with values exceeding 450 ppm (about 1 pound of mercury per ton), and the silver anomaly, with values exceeding 3 ounces of silver per ton, indicate significant mineralization in the area to be explored. The value of the applicant's "geopulse" method, that indicates anomalous quantities of certain hydrocarbon-consuming bacteria, is not known although it may prove to be a useful prospecting tool. The anomalous area is oval-shaped and is about 500 feet in width and 1,000 feet in length. The intersection of the two major faults is near the center of the area and constitutes the principal target of the proposed exploration as this structural feature is considered to be the most favorable point for mineral deposition.

Sampling

No samples were taken during the field examination. There are no known exposures of silver-bearing material on the claims. All of the applicant's assay data, upon which the geochemical anomaly is based, are derived from a large number of soil samples and a small number of additional assays would not be meaningful.

The possibility of soil contamination by wind-blown material from the old tailings pile on the west end of the Roberts claim, resulting in high silver and mercury values in samples taken on the Cook claim, was considered and discussed at some length. It was agreed that only a slight danger of contamination exists and that the mercury and silver anomalies are caused by deposits containing these metals localized in the underlying rocks.

Ore Reserves

The applicant did not include an estimate of ore reserves inasmuch as no silver-bearing material of ore grade is known to occur on the property. The tonnage and grade of ore that might be inferred to be present on the claims could range from a few tons of low-grade material (less than 10 ounces of silver per ton) to a deposit equal in tonnage and grade to the major deposits that have been mined in the district.

EXPLORATION

Applicant's Proposal

The applicant proposed to explore the area of the geochemical anomaly on the Cook and Eric Laue claims by drilling four vertical test holes from surface sites to depths of about 500 feet each at a total estimated cost, including supporting services, of about $32,290.

Inasmuch as all of the known silver deposits of minable grade in the Calico district occur at depths of less than 300 feet from the surface, exploratory drilling on the Carl Claims is probably not justified much below this depth and 500 feet should be considered a maximum drilling depth. A greater number of holes, drilled to shallower depths, with several of the holes inclined would be more effective in exploring the deposit. If the deposit is pipelike shape, at the intersection of the Doran and Calico frontal faults, or is confined to a brecciated zone along one or both of these faults rather than a bedded-type deposit, as postulated by the applicant, then inclined holes will be required in place of several of the planned vertical holes.

Examiner's Proposal

A program consisting of 2,000 feet of rotary drilling in six or more holes is proposed. These holes should be located approximately as shown in Figure 3, but the location of all holes should be subject to changes indicated by the results obtained as drilling progresses. The holes should range in depth from 200 to 500 feet and be inclined from 45° to vertical, in order to test the area of geochemical anomaly on both sides of the Doran and Calico frontal faults as well as the area of the intersection of these two faults.

Proposed Exploration Costs

The applicant has supplied cost estimates for the drilling, based on bids by five contractors, and for access and drill site preparation by bid from a local contractor. The type of rotary drill to be used is a high-pressure down-the-hole hammer-tool type capable of drilling inclined holes from 45° to vertical. Footage costs are constant for holes to 500 feet in depth at $7.00 per foot, including sample collection and bagging. Although less than 1 month will probably be required to complete the proposed work, a period of 2 months should be allowed to cover any unforeseen delays. About 2 days of bulldozing will be required to prepare access roads and drill sites. A dozer is available in Barstow at $20 per hour.

Cost Estimate

Actual Costs

Category (1) Independent contracts

Mobilization and demobilization, drill rig and truck----------	$ 600.00	
Rotary drilling (minimum hole size 3½") 2,000 ft at $7/ft----------	14,000.00	
Lost casing in completed holes		
100 ft at $5.80/ft----------	580.00	
Casing shoes - 6 at $22/ea----------	132.00	
Reaming and setting casing - 200 ft at $3/ft----------	600.00	
Bulldozing (D-6) - 16 hours at $20/hour	320.00	
Total Category (1)----		$16,232.00

Actual Costs--Continued

Category (2) Personal Services

Supervisor - 2 months at $750/month------	$ 1,500.00	
Consultant (estimate) - 4 days/month, 8 days at $75/day----------	600.00	
Total Category (2)---------		$2,100.00

Category (7) Miscellaneous

Travel expenses, consultant, per diem - 8 days at $16/day----------	$ 128.00	
mileage - Tucson and return - 1,400 miles at 10¢/mile----------	140.00	
Office and accounting expenses - 2 months at $100/month----------	200.00	
Assays - silver and gold - $2/each metal or $3 combined - 400 samples----------	1,200.00	
Total Category (7)---------		$1,668.00
Total estimated costs of the work-------		$20,000.00
Government participation at 75 percent--		$15,000.00

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURV

OME-6650
(Silver)

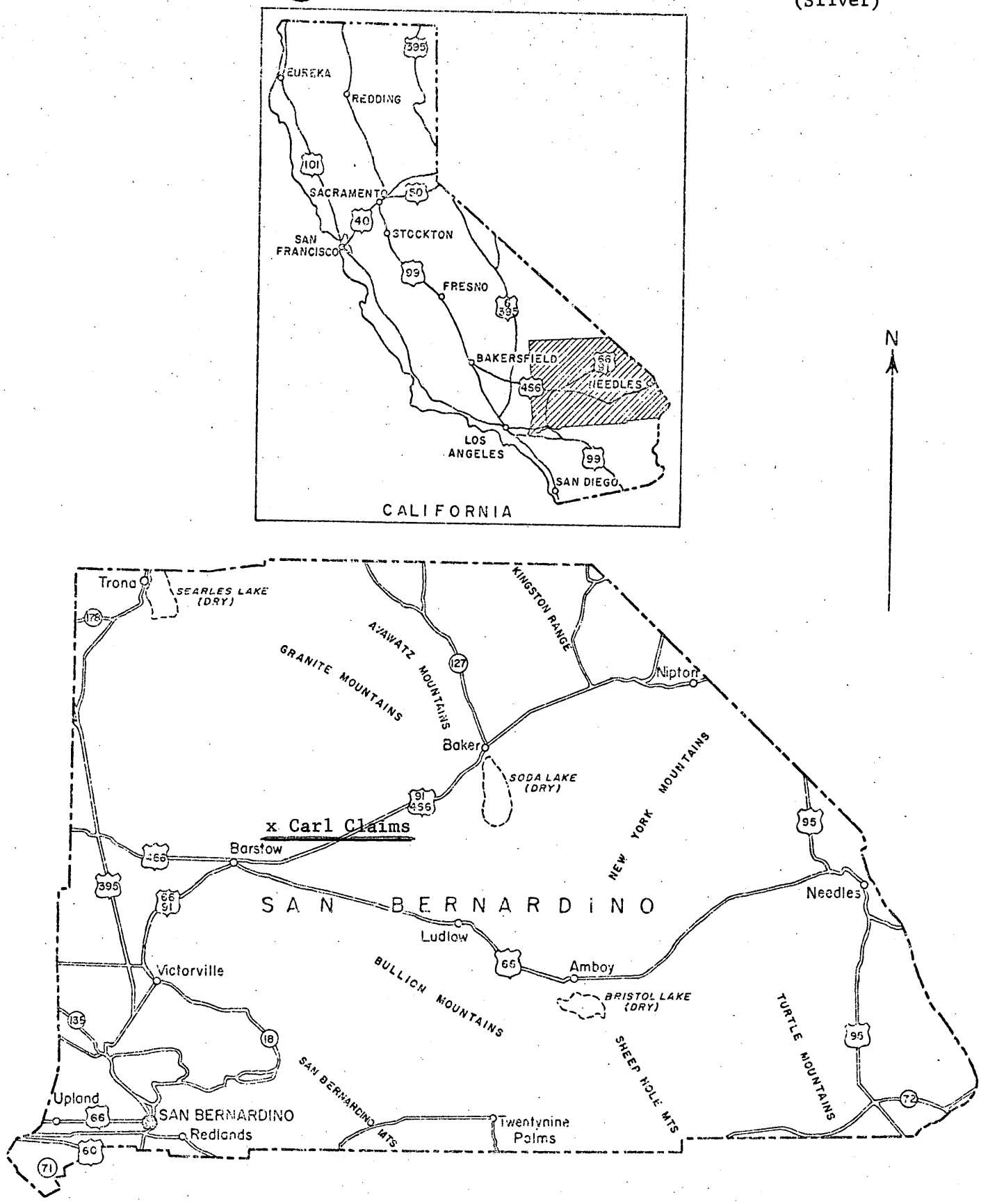


Figure 1. INDEX MAP OF SAN BERNARDINO COUNTY, CALIFORNIA

0 30 60 90 Miles

ROBERT DEAN UPP
ATTORNEY AT LAW
SUITE 220
8220 SUNSET BOULEVARD
LOS ANGELES, CALIFORNIA 90069
TELEPHONE 663-8241

5 December 1967

Mr. H. K. Stager
U. S. Geological Survey
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California

RE: GEOMINERAL CORPORATION
525 Subway Terminal Bldg.
417 So. Hill Street
Los Angeles, California 90013

Dear Mr. Stager:

Mr. Harold S. Cook, Jr., president of Geomineral Corporation, has just called me and advised that you are in need of recording information concerning the claims upon which Geomineral plans to drill exploratory core holes. As Secretary and general counsel of the corporation, I am the custodian of these files and, in order to save time, will set forth these items herein.

The respective claims, which are now being assigned to Geomineral, are:

1. COOK Lode mining claim, recorded 23 Feb 66, Book 456, page 972, microfilm 589; amended claim notice recorded 29 Apr 66, Book 457, pages 505-507, microfilm 672, of mining records, San Bernardino County;

2. ROBERTS Lode mining claim, recorded 23 Feb 66, Book 456, page 973, microfilm 590; amended claim location notice recorded 29 Apr 66, Book 457, pages 511-513, microfilm 674, of mining records, San Bernardino County;

3. ERIC LAUE Lode mining claim, recorded 23 Feb 66, Book 456, page 974, microfilm 591; amended claim location notice recorded 29 Apr 66, Book 457, pages 514-516, microfilm 675, of mining records, San Bernardino County;

4. BETTY LAUE Lode mining claim, recorded 23 Feb 66, Book 456, page 976, microfilm 593; amended claim location notice recorded 29 Apr 66, Book 457, pages 517-519, microfilm 676, of mining records, San Bernardino County;

5. ARMSTRONG Lode mining claim, recorded 23 Feb 66, Book 456, page 977, microfilm 594; amended claim location notice recorded 29 Apr 66, Book 457, pages 508-510, microfilm 673, of mining records, San Bernardino County;

6. HARRIETT Placer mining Claim, recorded 23 Feb 66, Book 456, page 971, microfilm 538; amended claim location notice recorded 29 Apr 66, Book 457, page 520, microfilm 677, of mining records, San Bernardino County.

Sincerely yours,

ROBERT D. UPP
Secretary, GEOMINERAL CORPORATION

RDU:jd

P.S. PROOF OF LABOR FILED ON ALL CLAIMS, RECORDED 31 AUG 67, BOOK 465, PAGES 330-351, MICROFILM 725, MINING RECORDS, SAN BERNARDINO COUNTY.

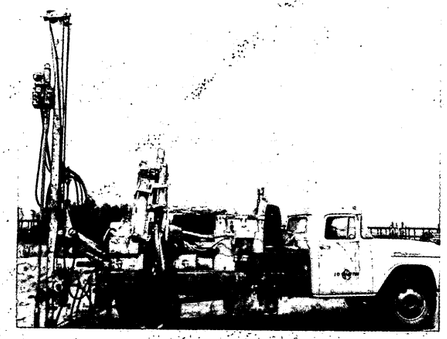
If a contract is approved, this contractor will do the drilling.

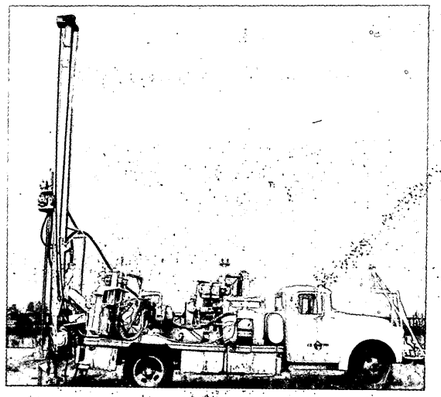
"3 DRILLS TO SERVE YOU"

DOWN THE HOLE HAMMER

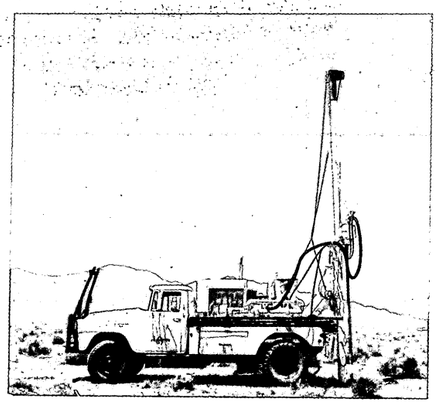
From 10 to 30 feet per hour in hard rock the Down The Hole Hammer makes all hard solid rock drillable.

We carry casing while drilling in caving formation.





3 DRILLS TO SERVE YOU



SAMPLES FREE OF CONTAMINATION

Because air and cuttings are withdrawn from the hole inside the drill pipe, completely contained, cuttings cannot be contaminated and circulation cannot be lost, even in fissured formations with Reverse Air Vacuum.

CALL – WIRE – PHONE or WRITE
FOR FURTHER INFORMATION

J. D. CHAFFIN
DRILLING COMPANY
EXPLORATORY DRILLING BY REVERSE AIR VACUUM
DOWN THE HOLE HAMMER
100% VISUAL SAMPLE RECOVERY
Phone Day or Night (213) 454-4822
851 Haverford Ave., Pacific Palisades, Calif. 90272

PRICES ARE QUOTED UPON REQUEST!

Prices are quoted on any type of drilling program, either by the foot or hourly plus footage. All prices are less than diamond drill cost with penetration up to five times faster.

REVERSE AIR VACUUM DRILLING

100% *Sample Recovery Of Exploration Hole In Clear Plastic Bags!*

The Ideal Sample Recovery System!

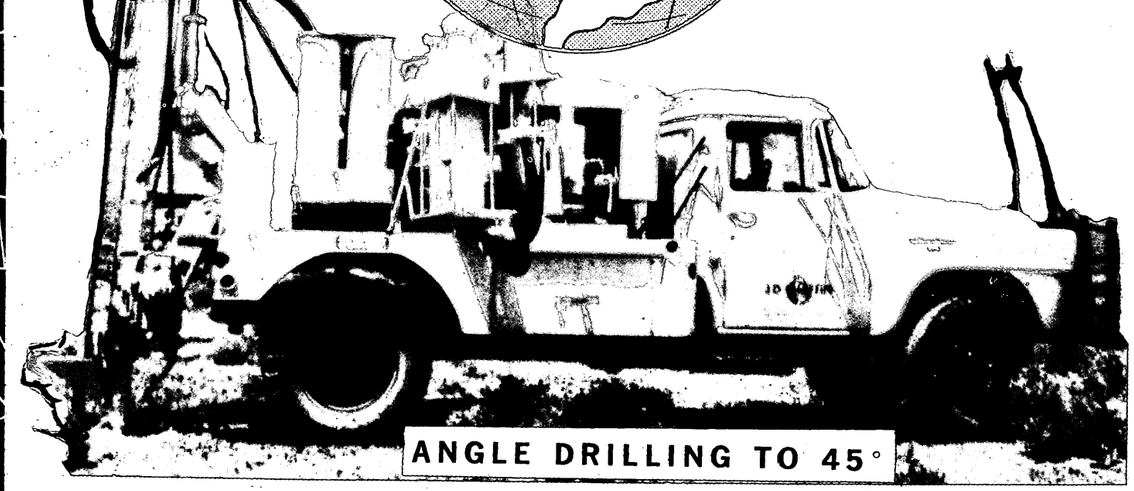
We successfully combine Reverse Air Vacuum Drilling with Down The Hole Hammer, making the Reverse Air Vacuum Drill very versatile and a perfect sampling method for any kind of exploratory or assessment drilling.

Guaranteed 100% sample recovery in dry formation with Reverse Air Vacuum. 100% sample recovery with Down The Hole Hammer in tight formations.

ALL OF OUR DRILLS DO ANGLE DRILLING UP TO 45° OFF OF VERTICAL

OUR ORGANIZATION IS VERSATILE AND FLEXIBLE ENOUGH TO ADAPT ITSELF TO ANY KIND OF DRILLING PROBLEM.

J. D. CHAFFIN
DRILLING COMPANY



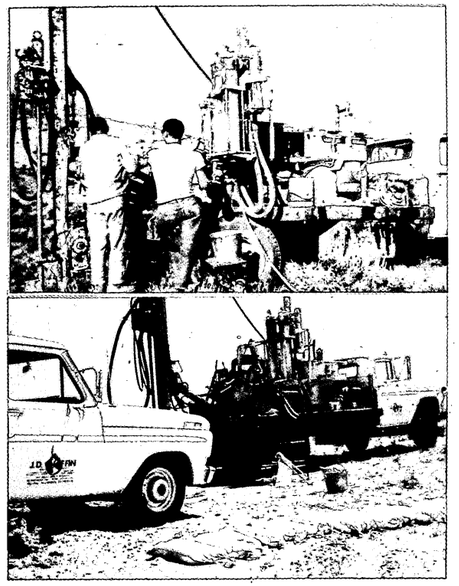
REVERSE AIR VACUUM DRILLING

J. D. CHAFFIN DRILLING COMPANY

EXPLORATORY DRILLING BY REVERSE AIR VACUUM

DOWN THE HOLE HAMMER

JOB PROVEN NATION WIDE



Job Proven Nationwide.

Exploratory drilling is becoming more scientific in order to obtain accurate samples.

Today we have a revolutionary drilling system that uses a variety of both wet and dry methods for making hole.

Highly complex ore bodies demand special equipment, skilled technicians and a thorough knowledge of drilling practices, to remove the cutting from the drilling hole and obtain accurate, dependable samples which is very important to your drilling program.

Not only will the Reverse Air Vacuum Drill out drill any diamond drill, but it will recover 100% of all the cutting in dry formation, including all dust and fine powder.

The Reverse Air Vacuum Drilling method continuously transfers the cuttings to ground surface where they are deposited in clear plastic tubes. Formation particles are stratified exactly as drilled to form "A CONTINUOUS GRANULAR CORE" and are instantly and constantly visible for examination.

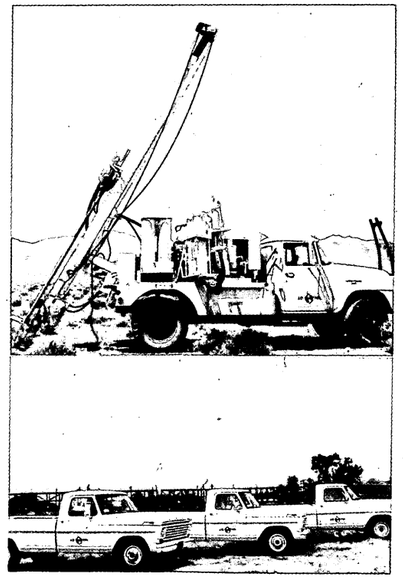
Accurate Samples To 1/8 of an Inch

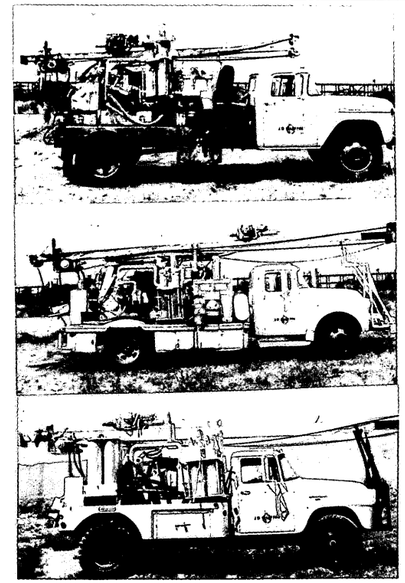
Twin sample tube containers allow a geologist to make on the spot inspection of any formation by switching the air stream through the other cyclone or tube, without stopping the drill, without loss of circulation.

Although the Reverse Air Vacuum drills are primarily not used for regular conventional diamond coring, we do a substantial amount of structural coring with NX or NXC core barrels when required.

Angle drilling — all drills will drill at any angle up to 45° off of vertical and carry the casing in caving formation.

Wet or water formation, the Reverse Air Vacuum drills are primarily dry drills, however, wet material can be drilled by adding a drying agent, if it does not interfere with your samples, even small amounts of water can be successfully drilled with a drying agent.





True Samples Save Millions $ $ $

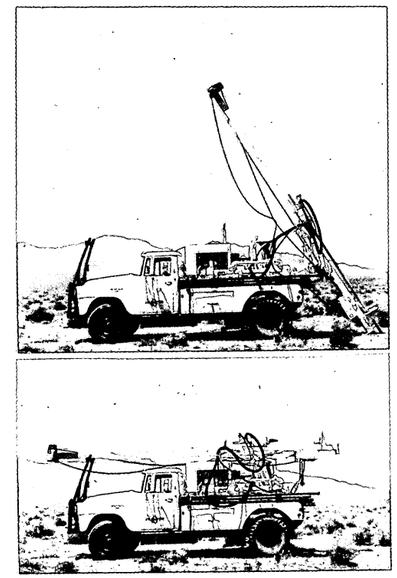
Because of the highly efficient and reliable sampling ability of the Reverse Air Vacuum drills, major mining companies have redrilled many mining properties previously drilled in order to re-examine important low grade ore deposits. Decisions based on this remarkable recovery have saved millions of dollars in Copper - Gold - Silver - Gypsum - Uranium and many other minerals. It will give the geologist a perfect picture of the mineral stratification which will equal or better information obtained from a hand dug shaft.

Positive 100% sample recovery is guaranteed by Vacuum Drilling in dry formations — 100% recovery can be assured with Down The Hole Hammer.

Where there is loss of circulation, cementing or grouting will solve most of such problems.

IN ARID REGIONS

Where water availability is a problem for conventional drills, the ability of the Reverse Air Vacuum drill and Down The Hole Hammer in hard rock is very desirable, even in fissured and broken formations, it takes a perfect sample down to the water table, then we switch the drill over to water circulation and remove the cutting by water or mud.



TRUE SAMPLES SAVE MILLIONS $$$$!

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
9/20	Peterson	120
9/20/67	Kirkham	120
		110
9/20	cac	220
9/21	[illegible]	120M

SEP 20 1967

AIRMAIL

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California

The subject application is referred to you for a field examination if warranted, and recommendations.

This application is well supplemented with historical and geological background material of the Calico mining district and, although the Applicant's geological theories regarding the claim area are interesting reading, their validity is certainly questionable. We note that his consultant has some interesting comments (Exhibit C) regarding the results of the geo-chemical work performed on the claims. This makes us wonder whether the property isn't still in the prospecting stage rather than ready for exploration.

If an examination is made and a contract recommended, the work shall be confined to the area not being contested. However, if work is necessary in that area also, to adequately explore the property, a contract could not be granted until after the dispute is settled. It should be noted that the OME has no authority to concern itself in anyway with this controversy.

FRANK E. JOHNSON

Frank E. Johnson

cc: Director's Reading File
Division File
Economic Geology File
OME FIle
OME Reading File
Mr. Peterson
130

ECPeterson/bsl 9/20/67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
9/20	Peterson	120
9/20/67	Kirkham	120
		110
		220
9/21	BH	120M

SEP 20 1967

AIRMAIL

Geomineral Corporation
525 Subway Terminal Building
417 South Hill Street
Los Angeles, California 90013

Re: OME-6650 (Silver)
Geomineral Corporation
Carl Claims
San Bernardino County, California

Gentlemen:

The application for assistance in exploring the subject property has been reviewed by the Washington Office and referred to Mr. Harold K. Stager, Field Officer, Region II, Office of Minerals Exploration, U. S. Geological Survey, 345 Middlefield Road, Menlo Park, California 94025.

Mr. Stager will notify you if he requires additional information and possibly to make arrangements for an on-site examination of the property.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Econmic Geology File
OME File
OME Reading File
Mr. Peterson
Region II

23263

August 31, 1967

Geomineral Corporation
525 Subway Terminal Building
417 South Hill Street
Los Angeles, California 90013

Subject: OME-6650

Gentlemen:

Your application for exploration assistance, dated August 28, 1967, submitted to our office at Menlo Park, California, has been assigned Docket No. OME-6650.

Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to Region II