MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE Contract No. _____ Docket No. 6711

Application
- [x] 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- [ ] Withdrawn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
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] 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
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam. Report (Tab) 6/28/68
- [ ] 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

IN REPLY REFER TO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Memorandum

April 8, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
APR 11 1968
INITIALS | CODE

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

From: Field Officer
Region II

Subject: New Application (Silver)
Marian D. Grewal
Grewal Ranch
Santa Barbara County, Calif.

Enclosed is a poorly prepared application for financial assistance in a silver exploration project received in the Field Office on April 5, 1968.

The application was first received on March 1, 1968, but was returned as unacceptable on March 4, 1968 (see copy of letter attached). The applicant has now resubmitted the application, attempted to supply information lacking from the original application, and to offer additional justification for the project, but without much success. The project still appears to be one of prospecting rather than exploration. Geologic data is lacking but may not be available until a field examination is possible.

H. K. Stager

1904 Avon Street
Los Angeles, California
90026

March 25, 1968

Telephone: (213) 666-0920

Mr. H. K. Stager
United States Department of the Interior
U. S. Geological Survey
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94925

Dear Mr. Stager:

With reference to your letter of March 4, 1968 and our telephone conversation, I wish to resubmit the Application on behalf of Mrs. Mirian Grewal for assistance under the OME plan as outlined on MME Form 40.

I am, therefore, enclosing supporting information as required and hope that this will be sufficient for you to apply to the Department of the Interior for study and action.

I have shown on the accompanying plat the location where the samples were taken. Assays were run only for silver, except when the assay company ran sample No. 37196 for silver and lead. This sample I did not take. The rest were taken by me. I doubt very much that any more of this type of ore will be found; actually at the present price of silver, the content of this float would be much higher than the lead.

The depth of drill holes must of necessity be determined by the assay results of the cores; in requesting bids from the drilling companies, I gave a maximum depth of 250 feet, but they are agreeable to go to 500 feet for a few cents more per foot.

In the case of a bulldozing contract, I have submitted only one bid - that of Mr. Ted Hillier, for the reason that he lives near the property and is willing to work for an hour or more as required. Should

additional bids be necessary, I will have to get them from Santa Barbara where the machine would have to be transported on a Semi. I may be wrong, but I do not think much bulldozing work will be necessary.

Please tell me if Mrs. Grewal's statement to me as to how she will pay her share of the exploration costs is sufficient for the time being. She would have no difficulty in procuring a bond or a loan, if need be. ?

If more information is needed, please advise me by telephone or letter.

Sincerely yours,

R.L. Ferdinando

Reginald L. Ferdinando

RECEIVED
APR 5 1968
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

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

March 4, 1968

Mr. Reginald L. Ferdinando
1904 Avon Street
Los Angeles, Calif. 90026

Dear Mr. Ferdinando:

I am returning herewith your application for OME assistance. As it is written, it appears to be a proposal for a prospecting program in search of lead deposits and, as such, is not eligible for Government assistance.

Exploration, as defined for purposes of the OME program, is the testing of a specific target in a specific location while prospecting is the search for a specific target in a much larger area. You have not defined a specific target to be explored on Mrs. Grewal's property, such as a mineralized vein, fault zone, altered area, etc. If you are able to locate the source of the silver-bearing float (Sample No. 37196) and can demonstrate that the principal dollar value of the ore is silver, rather than lead, or that the silver is present in sufficient quantities to be mined for the silver content alone, then we can consider a possible exploration project.

If you wish to resubmit the application please follow the directions given on MME Form 40 and submit all of the supporting information, in duplicate, and answer, in detail, all of the questions on the back of the form. Copies of Mrs. Grewal's letters to the banks, requesting the loans, must be included. A map of the property is required, showing the geology, if possible, and the location of all existing prospect workings, pits, drill holes, etc., and the specific locations, inclinations, and depths of drill holes or other exploration proposed. In the case of drilling or bulldozing, bids from three contractors are required. You must also indicate how the applicant proposes to furnish her share of the proposed costs.

If you have any questions please write, or call me, and I will be glad to help you in any way I can.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosure

cc: Dir NF
Chief, OME, WDC
MP RF
MP Inquiries
HKStager:mlb

COST ESTIMATE OF DRILLING PROGRAM

FOR

GREWAL RANCH

SANTA BARBARA COUNTY, CALIFORNIA

By

Reginald L. Ferdinando

C O N T E N T S

1. Application, in Duplicate

2. Letters from Local Banks denying requested financial aid to develop mineral resources on the Grewal Ranch, Santa Barbara County, California
information pertaining to MME Form 40.

3. Preliminary Report

4. Cost Estimate of Drilling Program

5. Copies of Assay Reports
Assay Sheet

6. Well Drilling Log

7. Spectographic Analysis of Country Rock

8. Criteria

9. Plat of Grewal Ranch showing Location of Samples Assayed

10. Two Topographical Quadrangles, Geological Survey - San Marcos Pass and Goleta

MME Form 40
Jan. 65

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.)*	APPLICANT DO NOT USE THIS BLOCK
MARIAN D. GREWAL P.O. BOX 1533 Santa Barbara Calif 93102	DOCKET NUMBER 6N1 DATE RECEIVED April 15, 1968 REGION V DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*	LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE NAME ADDRESS TITLE
INDIVIDUAL [X] CORPORATION [ ] PARTNERSHIP [ ] OTHER *(Specify)* [ ]	
STATE IN WHICH FIRM IS ORGANIZED	

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE	PROPERTY NAME	LOCATION COUNTY	STATE
Silver - Au	Grewal Ranch	Santa Barbara	Calif
ESTIMATED COST OF PROJECT $25.000			

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 with 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.

2-28-1968
DATED

Marian Grewal
BY *(Signature)*

owner
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).]

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

CROCKER-CITIZENS NATIONAL BANK
CHARTERED 1870
WILSHIRE-STONER OFFICE • TELEPHONE 477-4561
11750 WILSHIRE BOULEVARD • LOS ANGELES, CALIFORNIA • 90025

February 26, 1968

Mrs. Marian D. Grewal
P. O. Box 1533
Santa Barbara, Calif.

Dear Mrs. Grewal:

I regret to inform you that we are unable to grant your request for a loan of $25,000.00 for the purpose of exploring for silver.

Please do not decline as a reflection on your credit rating which is excellent, but it is not the policy of this bank to make loans for the above stated purpose unless they are fully secured by other assetts.

Sincerely yours,

Jesse L. Halberstadt

Jesse L. Halberstadt
Consumer Loan Representative

Cable Address—BANKAMERICA

Bank of America
NATIONAL TRUST AND SAVINGS ASSOCIATION

SEVENTH AND OLIVE OFFICE • 505 WEST SEVENTH STREET • LOS ANGELES, CALIFORNIA 90014

January 25, 1968

Mrs. Marian Grewal
P.O. Box 1533
Santa Barbara, California 93102

Dear Mrs. Grewal:

On January 25, 1968 you filed with us your financial statement dated January 25, 1968 which showed a net worth of $171,700, principally in unimproved real estate valued by you at $165,000.

The purpose of your filing this statement with us was to support a request for a $25,000 loan with the proceeds to be used to help locate deposits of silver on the above mentioned property.

Your financial statement does not show sufficient liquidity, together with your annual income, to service a debt of the above magnitude. Furthermore, the land itself would not be acceptable as collateral for a bank loan.

This refusal is based solely upon your personal financial statement which we have accepted at face value with no independent verification and is to comply with Section I Financing Eligibility of the Department of Interior MME Form 40.

Yours very truly,

Perry Gullett
Assistant Vice President

P G:lpn

INFORMATION PERTAINING TO

MME FORM 40

1. a) Letters from two local banks are submitted by Applicant, Mrs. Mirian Grewal.

   b) There are no other interests in the Grewal Ranch itself or in the mineral rights.

   c) Mrs. Grewal states that she will pay in cash for her share of the exploration work. She also states that the Ranch is assessed at $165,000.00.

2. a) Mrs. Mirian Grewal is the owner of the land and mineral rights and there are no liens, mortgages or other encumbrances on the land.

   b) For legal description see accompanying plat.

   There are no old workings nor is any part of the land subject to government royalty.

   c) Not applicable.

3. The sketch on Plat describes the general layout of the ground. The only exploration operations to date are some bulldozer cuts which were made to clear debris and top soil, in order to examine the outcropings. There are no mine workings and no production facilities as such.

   c) Not applicable.

   d) Assay certificates are included in this report.

   e) See Preliminary Report.

f) Assays show silver values. See plat showing where samples were taken about 90 feet north of House #4. Each sample consisted of about 20 Lbs. crushed and quartered.

g) None of the documents need to be returned.

4. a) To reach the property, the MME Representative should fly to Los Angeles International Airport, take the limousine service to the Statler Hilton Hotel in downtown Los Angeles, where Mrs. Grewal will meet him and take him to the property, a matter of less than two hours. (Alternative: the Representative may fly directly to Santa Barbara via Pacific Southwest Airlines, where Mrs. Grewal will meet him upon advance notification). The property is very accessible, being twelve (12) miles East of Santa Barbara, all on paved highway via San Marcos Pass.

There are no mine workings.

b) Shipping point is Oxnard, 30.5 miles from property. Railhead is 12 miles, Santa Barbara, Southern Pacific Railroad.

Distance to the property is 12 miles East of the City of Santa Barbara.

5. a) The proposed exploration work is for an initial drilling program of some 1500 feet of Diamond core drilling over a period of 90 days. The drill bits to be AX size, or slightly larger (see Drilling Bids). Inclined holes against the dip of about 10°. As noted in the Preliminary Report, this is a sedimentary deposit. The main country rock is a bedded sandstone, the silver values occurring in the oxidized and altered rock formation. There are no old workings. The closest corner monument is the Northwest corner of the property about 1000 feet away, (See Plat) from cut where assays were taken.

b) Not applicable.

c) Work could be started within 30 days, depending upon the drill contractor. All other materials could be on site in the same period and survey completed. Ninety (90) days of drilling at an estimated 35 feet per day for the 1500 feet of inclined drilling, providing for stoppage periods for cementing, moving, etc.

6. The supervision will be in the hands of a Superintendent - two are available now. Consulting work will be done by R. L. Ferdinando, whose experience is listed in the Criteria.

7. See estimate for drilling program per month
Bids for Drilling
Bid for Survey Work
Bid for Prefabricated Building
Other items listed in estimate, such as assays, etc.
General and Administrative per month
Operating Capital Direct Cost

a) See Drilling Bids by three contractors. All carry insurance, compensation required by law in California.

The cost of supervision, consulting and engineering, outside consultant's labor, is listed in the Cost Estimate. Cost of survey work is under a separate bid enclosed in the report.

b) Power and water are on the property - cost of installing water supply is listed in Cost Estimate. Fuel is furnished by Drilling Contractor. Office Supplies - see Cost Estimate.

c) Pick-up Truck is furnished by Applicant and rented on a mileage basis.

Station Wagon is to be rented on a monthly basis.

Bulldozer Type #6 Caterpillar furnished by Ted Hillier at $15.00 per hour - everything furnished.

PRELIMINARY REPORT

Name: GREWAL RANCH

Owner: Mrs. Mirian Grewal

Location: 12 Miles Northeast of Santa Barbara
San Marcos Pass
Bordering on El Padre National Forest
El Dielo Camino paved road runs to property
The old Fremont Stagecoach Road runs through property

Elevation: 2500 Feet

Geology: Little can be seen at the present time except massive sedimentary rocks, although attempts have been made recently to clear an area by bulldozer where various samples showed a silver content. It appears to be as replacements of limestones or dolomites. The silver is probably associated with lime silicates.

Assays made by two firms in this city show values ranging from 0.4 ozs. to 2.6 ozs. A spectrograph analysis of the siliceous sandstone was made and the main constituents were silicon, aluminum and calcium. Some of the boulders uncovered are deeply oxidized.

A water well drilled nearby to 613 feet is of interest. This was drilled in August 1966 and showed a standing water level at 417 feet. It appears to the writer that a careful diamond drilling program is required and estimate of cost by three local contractors were procured and are included in this report and application.

R.L. Ferdinando

Reginald L. Ferdinando MIME

ESTIMATE FOR DRILLING PROGRAM PER MONTH

Item 1.	a)	Bid from Continental Drilling Co., Los Angeles	
		500 Feet @ 8.50/Lin. Ft. AX Size	$ 4,250.00
		Core Boxes (Paper) - $1.42 each	
		Mobilization - Demobilization	500.00
		Cementing per hour @ $25.00	
	b)	Bid from Fred Cannon Company, Compton, California	
		500 Feet Core Drilling NX Size Per Ft. @ $8.25	4,125.00
		Cementing Per Foot for area cemented @ $4.00	
		Mobilization - Demobilization	500.00
		Core Boxes will be furnished by Fred Cannon Co.	
	c)	Bid from Raby Hillside Drilling Co., Los Angeles	
		500 Feet Core Drilling as directed, AX Core Holes to a maximum of 250' - Price per foot $8.00	4,000.00
		Mobilization - Demobilization	156.00
		Core Boxes - Cost $.17 per Foot	
		Soil Cementing - $27.50 per hour	
2.	1	Truck Driver @ $2.50/Hour x 8 Hours x 20 Days	400.00
	1	Helper @ $2.00/Hour x 8 Hours x 20 Days	320.00
	1	Bookkeeper, Paper Work, etc.	350.00
3.	1	Portable Wooden Building: 8 Feet by 16 Feet, erected and hauled to site with floor, windows, door, and wired.	
		Bid by Fairmont Portable Building Company, Los Angeles	685.00
4.		Water Supply to Site. 300' Galvanized Pipe, Fixtures and Fittings, in place	375.00
5.		Office Supplies	100.00

Item 6. Bulldozer - D6 Caterpillar Tractor
Bid from Ted Hillier, local Santa Barbara company
Per Hour $15.00, including full maintenance

7. Small Tools $ 150.00

8. Assays - Bid from Meco Engineering Co., Los Angeles
Up to 5 pound samples.
1 mineral $5.00 each High

Bid from Smith-Emery Co., Los Angeles
Up to 5 pounds
1 mineral $5.00 each High

9. Surveys
Bid from Bowles Engineering Co., Ventura

Topographical 2-day survey
Party to start tieing in area with buildings to corner monument of Ranch.
3-Man Party - Hourly Basis $35.00 500.00 ?

10. General and Administrative Per Month Overhead
General expenses, including travel, etc. 500.00

11. Supervision
Superintendent in charge of Operations, plus expenses, per month 850.00
Consulting Engineer, plus expenses, per month 650.00 ?
Geological Consultant Fee, Per Day $150.00

Estimated Capital Expenditure for Three months -
1500 Feet of Core Drilling $ 25,000.00

CRITERIA

301.7

A. It is well known that extensive galena deposits occur in the Mississippi Valley:

a) The Tri-State District

b) Upper Mississippi Valley District

c) Southeastern Missouri

Galena occurs often in the sedimentary rocks with notable amounts of silver. It occurs in solution cavities and zones of brecciation in limestones and cherts, on dolomite and calcite; at Santa Eulalia, Mexico, large deposits of galena are found as replacements of limestones or dolomites with rich silver values.

The Santa Barbara Mountain assays show the presence of silver. The extent of the deposits can only be determined by careful inclined drilling. It would be a significant discovery and could occur over a very wide area.

B. Refer to Cost Estimate

C. The only feasible method of development that occurs to the writer is a diamond drilling program with inclined holes to cover as large a surface as possible and careful assays of the cores.

A topographical survey tieing in all holes with the boundary of the property; also an underground map showing the depths, rock formations and values encountered.

CRITERIA (continued)

D. The accessibility of the property could not be better - about twelve miles from the City of Santa Barbara, all on paved black-top road and at an elevation of 2500 feet.

E. The Applicant, Mrs. Mirian Grewal, has no mining or operating background.

The writer has been Mining and Consulting for about forty years in many countries of the world, and now resides in Los Angeles, California.

Experience covers South Africa, South America, Central America, Mexico, the United States and Canada.

F. The Applicant's title and right to possession of the property, including mineral rights, can be inspected at the Title Insurance and Trust Company, 36 East Figueroa, City of Santa Barbara, California.

G. The intention of this Application is to establish a sizable ore body of sufficient values. Only recognized and sound procedures will be used with the help of Mr. H.K. Stager, Field Officer of Region II, Menlo Park, California.

H. The estimates are based on a three months' period and, depending on the results, a revaluation of the property should then be taken.

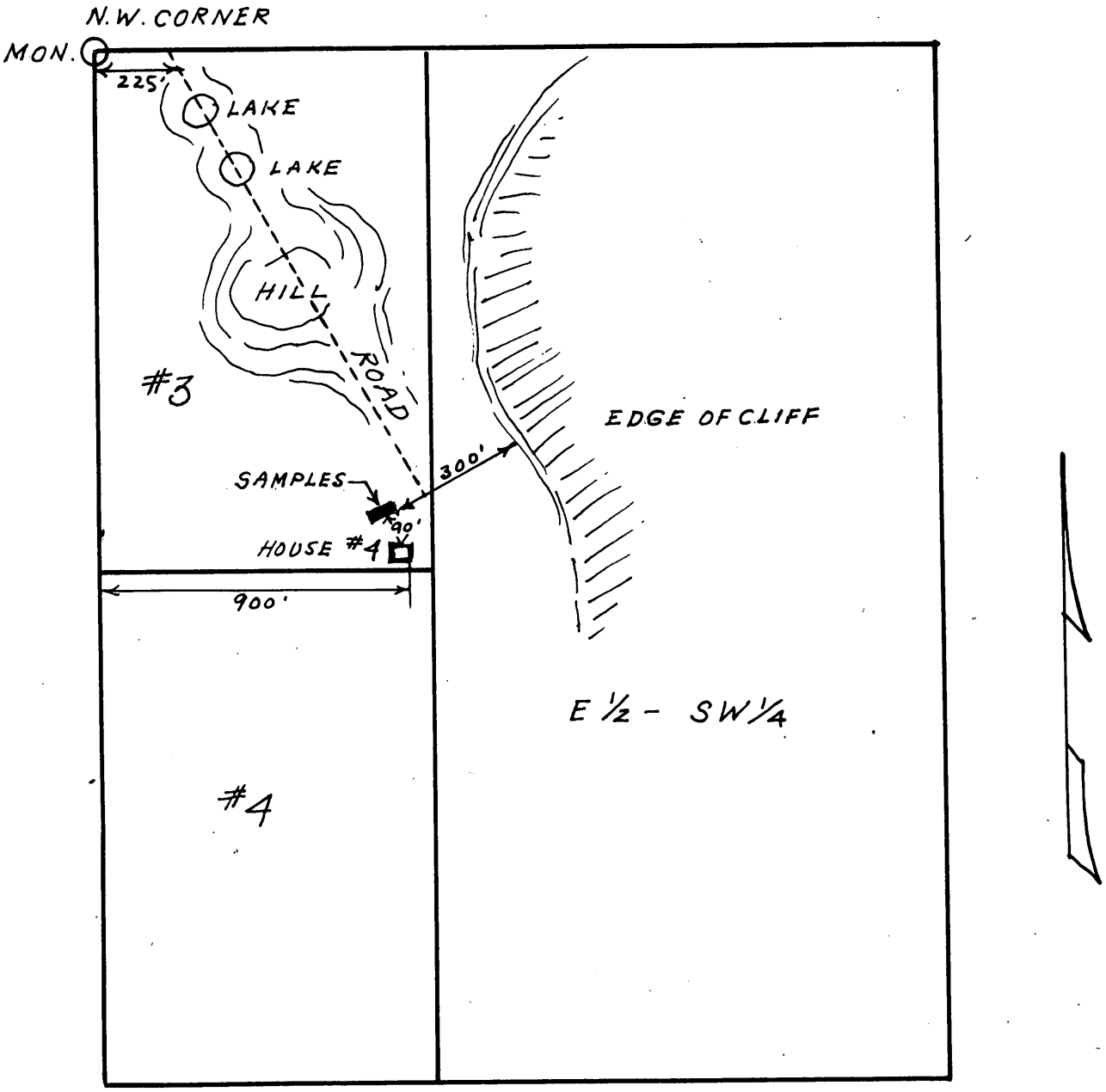
R.L. Ferdinando

Reginald L. Ferdinando

A S S A Y S

JUNE - AUGUST 1967
Grewal Ranch, Santa Barbara County, California

Number	Description	Gold Ounces Per Ton	Silver Ounces Per Ton	Lead Percent
37196	Float	Nil	78.3	73.1 %
37276	Black	Nil	0.6	-
37277	Brown	Nil	Nil	-
37321	A 4	Tr.	2.6	-
37322	A 3	Tr.	Tr.	-
37323	A 2	Tr.	Tr.	-
37324	A 1	Tr.	Tr.	-
37325	A 5	Tr.	Tr.	-
37372	5 A	0.1	0.35	-
37273	6 A	Tr.	Tr.	-
37386	AG.	Nil	0.4	-
37401	9A Expl. Cut	Nil	1.8	-
37402	10A Trench	Nil	0.2	-
37403	Wall Rock	-	-	CaO 24.2%
37026-2	Keldon Res. No 7	-	0.68	-
37026-3	Keldon Res. No 8	-	0.42	-



GREWAL RANCH

E ½ OF SW¼ AND LOTS 3 & 4 OF SECTION 21, IN TOWNSHIP 5 NORTH OF RANGE 28 WEST OF SAN BERNARDINO BASE AND MERIDIAN IN CALIFORNIA

SCALE 1:50

LABORATORY CERTIFICATE

KELDON RESEARCH CORPORATION
8644A State Street Box 350 LOrain 4-3318 South Gate, California

Samples and reports on this material will be in our files for a period not exceeding four months from above date.

DATE: August 4, 1967

M. Trewal

LAB NO.: 37026-1

MARKING: Trewal Ranch

ELEMENT	NOT MORE THAN	ELEMENT	NOT MORE THAN	ELEMENT	NOT MORE THAN	ELEMENT	NOT MORE THAN
Silicon	50.%	Lead	0.05%	Molybdenum		Cobalt	
Aluminum	20.%	Tin		Vanadium		Lanthanum	
Magnesium	5.%	Chromium	0.1%	Lithium		Cerium	
Iron	5.%	Arsenic		Yttrium		Strontium	0.3%
Calcium	30.%	Manganese	0.5%	Cadmium		Tungsten	0.1% *
Sodium	3.%	Gallium	0.03%	Copper	0.3%	Mercury	
Potassium	3.%	Germanium		Silver	0.01%	Indium	
Tellurium		Platinum		Zinc		Barium	0.3%
Boron	0.1%	Bismuth		Titanium	1.0%	Hafnium	
Phosphorus		Columbium		Zirconium	0.3%	Uranium (Oxide)	
Antimony		Nickel		Palladium			
Gold		Beryllium		Ruthenium		Thorium (Oxide)	

ASSAY

GOLD Oz. Per Ton Value Per Ton $
SILVER Oz. Per Ton Value Per Ton
Total Gold and Silver Per Ton $

* TENTATIVELY IDENTIFIED

BY: T. J. Rollins/S. A. Smith
Chemist

KELDON RESEARCH CORPORATION

The use of this report for advertising purposes must receive our written approval

FORM - PR - 11

MINERALS ENGINEERING CO.

ENGINEERS Moco ASSAYERS

1299 SUBWAY TERMINAL BLDG.
417 SOUTH HILL STREET
LOS ANGELES, CALIF. 90013
TELEPHONE 626-6793 628-6793

THIS CERTIFIES THAT THE SAMPLES DESCRIBED BELOW SUBMITTED BY Mrs. Marian Grewall

DATE June 16, 1967
CHARGES $ Paid
ASSAY AS FOLLOWS:

LABORATORY NO.	OWNER'S MARK ON SAMPLE	GOLD AT $ 35.00 PER OZ.		SILVER AT $ 1.29 PER OZ.		TOTAL VALUE PER TON	PERCENTAGE OF LEAD
		OZ. PER TON	VALUE PER TON	OZ. PER TON	VALUE PER TON		
37196		Nil	$	78.3	$ 101.00	$	73.1%

MINERALS ENGINEERING CO.

BY Norman Whitmore

No. 37196
Small piece of float found 100' South of House #4. No evidence of more of this type of ore in area or that it is related to other samples taken North of House #4.

The Great Spirit of Mining

SPECTROGRAPH—THE TOTAL WILL NOT EQUAL 100% AS GASES DO NOT SHOW, SUCH AS QUARTZ IS 28 PARTS SILICON AND 32 PARTS OXYGEN. TOTAL IS USUALLY ABOUT 46%.

THIS REPORT IS SUBMITTED TO THE ADDRESSED CLIENT FOR HIS EXCLUSIVE USE. AS A PROTECTION TO THE CLIENT, THE PUBLIC AND THIS LABORATORY, THIS REPORT MAY NOT BE USED IN WHOLE OR IN PART FOR ADVERTISING, PUBLICITY OR PROMOTION WITHOUT WRITTEN AUTHORIZATION.

MINERALS ENGINEERING CO.

ENGINEERS Meco ASSAYERS

1299 SUBWAY TERMINAL BLDG.
417 SOUTH HILL STREET
LOS ANGELES, CALIF. 90013
TELEPHONE 628-6793

THIS CERTIFIES THAT THE SAMPLES DESCRIBED BELOW SUBMITTED BY

Marian Grewall

DATE July 19, 1967
CHARGES $ Paid
ASSAY AS FOLLOWS:

LABORATORY NO.	OWNER'S MARK ON SAMPLE	GOLD AT $ 35.00 PER OZ.		SILVER AT $ 1.29 PER OZ.		TOTAL VALUE PER TON	PERCENTAGE OF
		OZ. PER TON	VALUE PER TON	OZ. PER TON	VALUE PER TON		
37321	A 4	Trace	$	2.6	$ 3.35	$	
37322	A 3	Trace		Trace			
37323	A 2	Trace		Trace			
37324	A 1	Trace		Trace			
37325	A 5	Trace		Trace			

MINERALS ENGINEERING CO.

BY Norman Whitmore

DESCRIPTION OF ASSAYS

A 4 Above road. Outcrop
A 3 On Knoll below fence
A 2 Across gulley
A 1 Float taken 75' below small house in canyon
A 5

A4 was taken 90' North of House #4 before cut was made from outcropping. A1-2-3-5 were taken in Arroyo South of House #4.

The Great Spirit of Mining

SPECTROGRAPH—THE TOTAL WILL NOT EQUAL 100% AS GASES DO NOT SHOW, SUCH AS QUARTZ IS 28 PARTS SILICON AND 32 PARTS OXYGEN. TOTAL IS USUALLY ABOUT 46%.

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MINERALS ENGINEERING CO.

ENGINEERS Meco ASSAYERS

1299 SUBWAY TERMINAL BLDG.
417 SOUTH HILL STREET
LOS ANGELES, CALIF. 90013
TELEPHONE 628-6793

THIS CERTIFIES THAT THE SAMPLES DESCRIBED BELOW SUBMITTED BY

Marian Grewal

DATE August 1, 1967
CHARGES $ Paid
ASSAY AS FOLLOWS:

LABORATORY NO.	OWNER'S MARK ON SAMPLE	GOLD AT $ 35.00 PER OZ.		SILVER AT $ 1.29 PER OZ.		TOTAL VALUE PER TON	PERCENTAGE OF
		OZ. PER TON	VALUE PER TON	OZ. PER TON	VALUE PER TON		
			$		$	$	
37372	5 A	0.01	0.35	Trace			
37273	6 A	Trace		Trace			

MINERALS ENGINEERING CO.

BY Norman Whitmore

5A and 6A taken from Cut 90' North of House #4.
Hard siliceous sandstone

The Great Spirit of Mining

SPECTROGRAPH—THE TOTAL WILL NOT EQUAL 100% AS GASES DO NOT SHOW, SUCH AS QUARTZ IS 28 PARTS SILICON AND 32 PARTS OXYGEN. TOTAL IS USUALLY ABOUT 46%.

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MINERALS ENGINEERING CO.

ENGINEERS Meco ASSAYERS

1299 SUBWAY TERMINAL BLDG.
417 SOUTH HILL STREET
LOS ANGELES, CALIF. 90013
TELEPHONE 628-6793

THIS CERTIFIES THAT THE SAMPLES DESCRIBED BELOW SUBMITTED BY

Marian Grewal

DATE August 4, 1967
CHARGES $
ASSAY AS FOLLOWS:

LABORATORY NO.	OWNER'S MARK ON SAMPLE	GOLD AT $ 35.00 PER OZ.		SILVER AT $ 1.29 PER OZ.		TOTAL VALUE PER TON	PERCENTAGE OF LEAD
		OZ. PER TON	VALUE PER TON	OZ. PER TON	VALUE PER TON		
37386	Silver	nil	$	0.4	$ 0.52	$	
37401	9 A Explor Cut	nil		1.8	2.32		nil
37402	10 A Trench	nil		0.2	0.26		nil

MINERALS ENGINEERING CO.

BY Norman Whitmore
O.

See Pencil Note

All three taken from cut Ninety feet (90') North of House #4.
Oxidized Zone. See Plat.

The Great Spirit of Mining

ECTROGRAPH—THE TOTAL WILL NOT EQUAL 100% AS GASES DO NOT SHOW, SUCH AS QUARTZ IS 28 PARTS SILICON AND 32 PARTS OXYGEN. TOTAL IS USUALLY UT 46%.

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KELDON RESEARCH CORPORATION

8644A State Street Box 350 LOrain 4-3318 South Gate, California

Samples and reports on this material will be in our files for a period not exceeding four months from above date.

R. L. Ferdinando
1904 Avon St
Los Angeles, California 90026

DATE: August 29, 1967

LAB NO.: 37026-2

MARKING: No 7

ELEMENT	NOT MORE THAN	ELEMENT	NOT MORE THAN	ELEMENT	NOT MORE THAN	ELEMENT	NOT MORE THAN
Silicon		Lead		Molybdenum		Cobalt	
Aluminum		Tin		Vanadium		Lanthanum	
Magnesium		Chromium		Lithium		Cerium	
Iron		Arsenic		Yttrium		Strontium	
Calcium		Manganese		Cadmium		Tungsten	
Sodium		Gallium		Copper		Mercury	
Potassium		Germanium		Silver		Indium	
Tellurium		Platinum		Zinc		Barium	
Boron		Bismuth		Titanium		Hafnium	
Phosphorus		Columbium		Zirconium		Uranium (Oxide)	
Antimony		Nickel		Palladium			
Gold		Beryllium		Ruthenium		Thorium (Oxide)	

ASSAY

GOLD Oz. Per Ton Value Per Ton $

SILVER 0.68 Oz. Per Ton Value Per Ton

Total Gold and Silver Per Ton $

By: [signature]

KELDON RESEARCH CORPORATION

The use of this report for advertising purposes must receive our written approval

FORM - PR - 1

Taken from outcropping in cut 90' North of House #4
Blue- Grey Hard Sandstone - partially oxidized

KELDON RESEARCH CORPORATION

8644A State Street Box 350 LOrain 4-3318 South Gate, California

Samples and reports on this material will be in our files for a period not exceeding four months from above date.

DATE: August 29, 1967

R. L. Ferdinando

LAB NO.: 37026-3

MARKING: № 8

ELEMENT	NOT MORE THAN	ELEMENT	NOT MORE THAN	ELEMENT	NOT MORE THAN	ELEMENT	NOT MORE THAN
Silicon		Lead		Molybdenum		Cobalt	
Aluminum		Tin		Vanadium		Lanthanum	
Magnesium		Chromium		Lithium		Cerium	
Iron		Arsenic		Yttrium		Strontium	
Calcium		Manganese		Cadmium		Tungsten	
Sodium		Gallium		Copper		Mercury	
Potassium		Germanium		Silver		Indium	
Tellurium		Platinum		Zinc		Barium	
Boron		Bismuth		Titanium		Hafnium	
Phosphorus		Columbium		Zirconium		Uranium (Oxide)	
Antimony		Nickel		Palladium			
Gold		Beryllium		Ruthenium		Thorium (Oxide)	

ASSAY

GOLD Oz. Per Ton Value Per Ton $

SILVER 0.42 Oz. Per Ton Value Per Ton

Total Gold and Silver Per Ton $

By: J. Kaczmarczyk

KELDON RESEARCH CORPORATION

The use of this report for advertising purposes must receive our written approval

FORM - PR - 1

Taken from outcropping in cut 90' North of House #4
Blue- Grey Hard Sandstone - partially oxidized

MINERALS ENGINEERING CO.

ENGINEERS Meco ASSAYERS

1299 SUBWAY TERMINAL BLDG.
417 SOUTH HILL STREET
LOS ANGELES, CALIF. 90013
TELEPHONE 628-6793

THIS CERTIFIES THAT THE SAMPLES DESCRIBED BELOW SUBMITTED BY

Marian Grewal

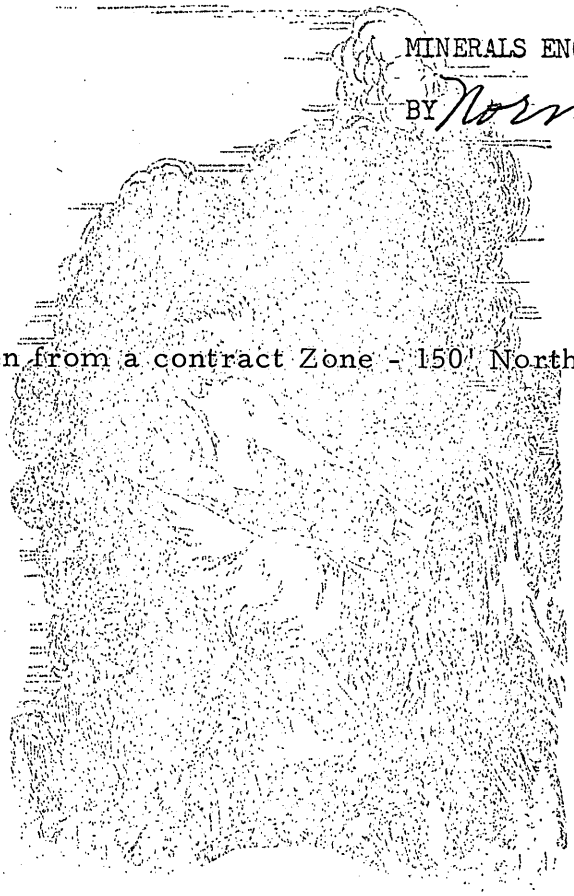
DATE August 9, 1967
CHARGES $ Paid
ASSAY AS FOLLOWS:

LABORATORY NO.	OWNER'S MARK ON SAMPLE	GOLD AT $ ____ PER OZ.		SILVER AT $ ____ PER OZ.		TOTAL VALUE PER TON	PERCENTAGE OF
		OZ. PER TON	VALUE PER TON	OZ. PER TON	VALUE PER TON		LIME as CaO
37403	11 A Wall Rock		$		$	$	24.2%

MINERALS ENGINEERING CO.

BY Norman Whitmore

Taken from a contract Zone - 150' North of Cut



The Great Spirit of Mining

SPECTROGRAPH—THE TOTAL WILL NOT EQUAL 100% AS GASES DO NOT SHOW, SUCH AS QUARTZ IS 28 PARTS SILICON AND 32 PARTS OXYGEN. TOTAL IS USUALLY ABOUT 48%.

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JAMES A. ROUSE

WATER WELL DRILLING

Log of well drilled for Mrs. Grewal

Size of well: 6 5/8 O.D. down 534 ft. & 6" from 533 to 613'

Well No. #1

Location of well: Mrs. Grewal Estate, West Camino Cielo Rd. S.B.

Casing: New 188 wall

Perforations: 602 to 612

Well started: May 17, 1966

Well completed: August 13, 1966

Standing Water Level 417 ft.

Formation:

0-3	= Top Soil
3-30	= Brown Sand Stone
30-45	= Yellow Clay
45-65	= Blue Clay with Broken Shale
65-90	= Very Hard Rock
90-195	= Brown sand Stone
195-205	= Grey sand Stone
205-210	= Broken Rock
210-375	= Brown sand Stone
375-490	= Blue sand Stone
490-530	= Hard light Blue sand Stone
530-555	= Very hard Grey Rock
555-600	= Blue sand Stone
600-607	= Cavity
607-613	= Broken Rock

Bottom of well 613'

Bail test 20 gal. per. min. for one hour at the time.

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

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

March 14, 1968

Ref: LAX 68-9

Mr. Reginald Ferdinando
1904 Avon Street
Los Angeles, California

Dear Mr. Ferdinando:

After examining your proposed drilling program on the Grewal property near Santa Barbara, we are submitting the following bid:

Item No.	Description	Unit Price	Unit
1.	Core Drilling - AX Size		
	0 to 250 Feet in Depth	$ 8.50	Per Foot
	250 to 500 Feet in Depth	9.00	Per Foot
2.	Cementing and Drilling Cement, If Necessary	25.00	Per Hour
3.	Mobilization & Demobilization	500.00	Lump Sum
4.	Owner to furnish water to drill site.		
5.	We will furnish paper core boxes @	1.42	Each

Due to the small amount of drilling involved, we are submitting our best possible bid.

Very truly yours,

CONTINENTAL DRILLING COMPANY

P.A. Conte

P. A. Conte
Exploration Manager

PAC:ed

CORE HOLES GROUT HOLES PRESSURE GROUTING SOIL TESTS

FRED B. CANNON FRED R. CANNON

FRED CANNON COMPANY

DIAMOND DRILLING CONTRACTORS

OFFICE PHONE NEWMARK 2-2308 RES. PHONE NEWMARK 1-1995

1209 EAST ROSECRANS AVENUE

P. O. BOX 5369 .... COMPTON, CALIFORNIA

March 18,1968

Mr. Reginal Ferdiando

1904 Avon

Los Angeles, Calif. 90026

Dear Sir:

Listed below are proces for drilling near San Marcus Pass, Santa Barbara, Calif.

Mobilization & Demobilization	$500.00
Core Drilling NX per. ft.	8.25
Cementing per. ft. for area cemented	4.00

Core boxes will be furnished by Fred Cannon Co.

Water will be made available near drill site by Mining Co.

Very truly yours

Fred Cannon Company

Fred Cannon

Fred R. Cannon

AGREEMENT

THIS AGREEMENT, made and executed this 14th day of March 19 68, by and between Reginald L. Ferdinando & Mrs. Grewal & U.S.Government hereinafter referred to as "Contractor", and RABY HILLSIDE DRILLING, INC., hereinafter referred to as "RABY".

RECITES:

1. That Contractor is undertaking construction on the property legally described as Grewal Ranch, Santa Barbara, California;

and popularly described as _____.

2. That pursuant to such construction Contractor is required to employ the services of a licensed drilling contractor;

3. That Raby is a duly licensed drilling Contractor having been issued a C-61, classification license by the State of California, Director of Vocational Standards;

4. That Contractor is desirous of employing Raby, and Raby is desirous of being employed by Contractor for the drilling and excavation of the above described property;

NOW, THEREFORE, in consideration of the mutual terms and conditions therein contained, the parties do hereby agree as follows:

FIRST: Raby agrees to furnish all the labor and equipment necessary to perform the following work: Drill as directed AX core holes to a maximum depth of 250 feet, price per foot, $8.00. Mobilization and de-mobilization $156.00. Core boxes will cost $ .17 per foot. soil cementing.

Obstruction or delay time shall be charged at the rate of $ 27.50 per hour. ~~Obstruction is to be considered as rocks five (5) inches in diameter or over, bedrock that has to be gadded or core drilled and/or any other unforseen materials.~~ Delay time shall mean any delay which is beyond Raby's control.

SECOND: Raby agrees that in performing the aforesaid work he will follow the plans and specifications pertaining thereto dated _____ and bearing the caption _____. In the event that Contractor shall direct Raby to perform the work in a manner that is at a variance from such plans and specifications while Raby is in the performance of this agreement, such variance shall supercede the said plans and specifications and shall constitute full authority for Raby to perform as directed by the Contractor, and at variance with the said plans and specifications.

THIRD: In the event that the said plans and specifications do not accurately set forth the depths to which Raby's drilling and excavating is to extend then Raby shall drill and excavate to a depth ordered by Contractor. In drilling and excavating to a depth ordered by Contractor it shall not be the responsibility of Raby to obtain approval from the Department of Building and Safety, it being agreed between the parties hereto that Contractor shall obtain such depth approval and Raby shall drill and excavate pursuant to Contractor's order.

FOURTH: Raby agrees to perform all of the said work in substantial and workmanlike manner and in the most rapid possible manner. Raby agrees to begin performance hereunder on or about _____, 19____ unless prevented from so doing by strike, fire, inclement weather, unavoidable casualty, neglect of Contractor or any other cause beyond Raby's control.

FIFTH: Contractor agrees to provide free and complete access to said property for Raby's equipment. In the event that the said equipment operates at, near or around any trees, bushes, shrubs, plants or any other form of landscaping, Contractor agrees to remove them at his own expense and further, in any event, Raby shall not be liable for any damage thereto whatsoever.

SIXTH: In the event that during the course of the work hereunder, or upon completion thereof, there shall be any open excavations upon the said property, then Contractor agrees to furnish plywood or other material suitable to serve as adequate coverings therefor, and it shall be the responsibility of Contractor to insure that such open excavations are adequately covered at all times until filled during the normal course of construction.

SEVENTH: Contractor agrees that Raby shall not be liable for damage to any sub-surface improvement that may be damaged during the course of Raby's performance hereunder unless Contractor accurately locates such sub-surface improvement through the use of stakes and line prior to Raby commencing his performance hereunder.

EIGHTH: Contractor agrees that Raby is not a soil engineer and that Raby shall not be liable to Contractor for any damage to footings, because of the soil that such footing bear in, it being understood that all of Raby's work is under the direct control and supervision of Contractor.

NINTH: This agreement represents the only agreement between the parties hereto, and cannot be modified, altered or amended, except as hereinbefore provided in Articles Second and Third, unless such modification, alteration or amendment is in writing and signed by both parties hereto. In the event that Raby must place this contract for collection or institutes legal action to enforce any of the terms and conditions hereunder, Contractor agrees to pay Raby all costs of collection, all court costs as well as all such attorney's fees as the court determines is reasonable.

TENTH: As consideration for performance hereunder Contractor agrees to pay Raby the sum of $ See above per hour: Contractor agrees that the said hourly sum shall be paid for the transportation time during which the equipment is transported from Raby's storage yard to the property at the commencement of performance hereunder and for the transportation of such equipment from the said property back to Raby's storage yard at the completion of performance hereunder. Raby shall render a daily time sheet to Contractor at the conclusion of each working day during Raby's performance hereunder and Contractor agrees to sign such time sheet as his recognition that such daily time sheet accurately represents the hours of performance completed that day. In the event that Contractor refuses to sign such sheet because of a dispute as to hours worked then Raby shall not be required to perform further until such dispute is settled and such settlement is reflected on the Daily time sheet and signed by Contractor.

ELEVENTH: Raby shall render his invoice to Contractor upon completion hereunder itemizing the total number of hours performed and Contractor agrees to pay Raby the full amount thereof within the ten (10) day period thereafter.

TWELFTH: This agreement shall inure to and be binding upon the heirs, representatives and assignees of both parties hereto.

IN WITNESS WHEREOF, the parties hereto have set their hands to this agreement on the day and year first above written

RABY HILLSIDE DRILLING, INC.

By: Donald W. Raby PRES.

"CONTRACTOR" "RABY"

Boyle ENGINEERING

Consulting Engineers

ARCHITECTS • ENGINEERS

4525 MISSION GORGE PLACE • SAN DIEGO, CALIFORNIA 92120 • TELEPHONE (714) 283-5481

February 7, 1968

Mr. Reginald L. Ferdinando
1904 Avon Street
Los Angeles, California 90026

Dear Mr. Ferdinando:

This will confirm our telephone conversation of Friday, February 2, 1968.

Assuming the boundary of the ranch in question has been surveyed and monumented accordingly, the cost of the initial phase of your work, i.e. the location of the ranch buildings and one test hole relative to the boundary, will be approximately $400.00 to $500.00. The estimated figure as given, obviously must be flexible inasmuch as the criteria have not been laid down to any degree of accuracy.

For future work or at least until a definite program is established, we would be pleased to provide you with a three-man survey party including transportation and supplies for an hourly fee of $35.00. A reasonable notice should be provided by you or your organization for the services of such a field party.

Very truly yours,

Gordon S. Kelso

Gordon S. Kelso
Field Supervisor

GSK/lel

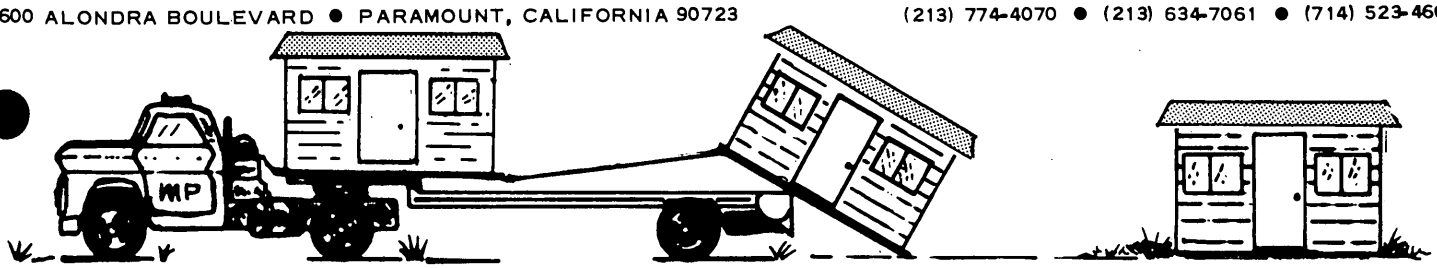
Replied:
Feb. 12 /68

M-P BUILDING SALES CO.

Sale - Rental - Lease

8600 ALONDRA BOULEVARD • PARAMOUNT, CALIFORNIA 90723

(213) 774-4070 • (213) 634-7061 • (714) 523-4660



M-P BUILDINGS ARE READY TO USE ... WHEN THEY HIT THE GROUND...

ALUMINUM EXTERIORS REDUCE HEAT AND PROVIDE A CLEAN, SHARP APPEARANCE AT LOWER COST THAN TRAILERS OR PLYWOOD BUILDINGS.

YOU CAN OWN AN M-P BUILDING FOR ONLY . . .

	Exposed Stud Interior	Mahogany Paneled and Electrically Wired Interior
8 x 8	$224.00 - (30.)*	$320.00 - (45.)*
8 x 10	$280.00 - (30.)	$400.00 - (45.)
8 x 12	$336.00 - (30.)	$480.00 - (50.)
8 x 16	$448.00 - (45.) ✓	$640.00 - (65.) ✓
8 x 20	$560.00 - (55.)	$800.00 - (75.)

OR, IF YOUR NEEDS ARE LARGE . . .

10 x 16	$560.00 - (55.)**	$800.00 - (75.)**
10 x 20	$700.00 - (60.)	$1000.00 - (80.)
10 x 30	$1050.00 - (80.)	$1500.00 - (115.)
10 x 40	$1400.00 - (100.)	$2000.00 - (140.)

OR, ANY CUSTOM SIZE TO SATISFY A SPECIFIC NEED . . .

PRICES INCLUDE DELIVERY TO YOUR SITE ANYWHERE IN THE GREATER LOS ANGELES AREA OR ORANGE COUNTY AND WE'LL MOVE IT TO YOUR NEXT SITE FOR A NOMINAL CHARGE - 8' WIDE, 30.00 - 10' WIDE, 50.00.

Mr. Conte,
This building is just perfect for construction use.
As I mentioned we will move your building back to LA from Santa Barbara for $50.
Thanks,
Dick

*Rental Charge Per Month - 3 Month Minimum - Free Delivery and Pick Up (8' Wide)

**Due to Permit Costs, There is a One-Time Charge for Delivery & Pick Up of $50 on 10' Wide Units

OPTIONAL FEATURES AVAILABLE ON M-P BUILDINGS

1. BASIC COST FOR CUSTOM SIZE BUILDINGS:

	Exposed Wall	Lined and Wired
8', 10', 12' Width	3.50 sq. ft.	5.00 sq. ft.
14' Width	4.00 sq. ft.	5.50 sq. ft.

2. CUSTOM CHARGE FOR CHANGING STOCK MODEL - 4%
3. FOIL FACED FIBERGLASS INSULATION, WALLS AND CEILING - .50 SQ. FT. FLOOR AREA
4. VINYL ASBESTOS FLOOR TILE - .50 SQ. FT.
5. BAKED ENAMEL EXTERIOR PAINT (GREEN, BEIGE, WHITE) - 2.00 PERIMETER FT.
6. FLUORESCENT DOUBLE TUBE FIXTURE (WITH LAMPS) - 30.00
7. DOUBLE WALL PARTITION (INCLS. DOORS) - 8.00 LINEAL FT.
8. ONE TON AIR CONDITIONER (HEATS ALSO) - 350.00 EACH
9. ADDITIONAL WINDOWS - 1.50 PERIMETER FT. (MINIMUM 15.00)
10. ADDITIONAL STOCK DOORS - 30.00, CUSTOM SIZE DOORS - ADD 20.00
11. GLASS INSERT IN DOOR (TOP ONLY) - 15.00
12. FOR BUILDINGS WITHOUT FLOORS, DEDUCT - .50 SQ. FT.
13. EXTRA HEIGHT CEILINGS - .50 PERIMETER FT. FOR EACH FOOT OF HEIGHT, UNLINED - 1.00 PERIMETER FT. FOR EACH FOOT OF HEIGHT, LINED
14. ELECTRICAL FOR UNLINED BUILDINGS - 40.00 BREAKER PANEL - 10.00 FOR EACH OUTLET (110V, LIGHT, PLUG, SWITCH) - 15.00 220V OUTLET
15. UTILITY WALL LINING (1/2" EXTERIOR PLYWOOD, OPEN KNOTS) - .50 SQ. FT. FLOOR AREA
16. FLOOR INSULATION, 1/2" ASPHALT IMPREGNATED BOARD - .25 SQ. FT.
17. DOUBLE FLOOR (ADDITIONAL LAYER 5/8" PLYWOOD) - .25 SQ. FT.
18. WINDOW SCREENS - 2.50 EACH
19. OVERHEAD GARAGE DOOR, 8' WIDE - 90.00
20. DRYWALL 1 HOUR RATED FIRE WALL (5/8" EACH SIDE) - 6.00 PERIMETER FT.
21. RADIANT WALL HEATER W/THERMOSTAT (1250 WATT) - 50.00
22. WRONG WAY ROOF (PITCH SLOPES TO ENDS) - 10% ADDED TO BASIC PRICE
23. VENETIAN BLINDS (STOCK WINDOW SIZE) - 11.00 EACH
24. SHEET ALUMINUM - TWIN RIB - .25 SQ. FT. (PAINTED - .30), DIAMOND RIB - .30 SQ. FT.
25. WALL VENTS (12" x 18") - 10.00 EACH
26. ROTARY ROOF VENTILATOR - 35.00 EACH

DELIVERY - 5 MILES PER LINEAL FOOT OF BUILDING (INCLUDED IN BASIC COST), ADDITIONAL DISTANCE - .50 PER MILE

PLEASE NOTE - ESCORTS (IF REQUIRED) ARE NOT INCLUDED AND ARE BILLED AT COST.

ITEMS SHOWN ABOVE ARE AVAILABLE FROM OUR STOCK - IF WE HAVE FAILED TO INCLUDE AN ITEM YOU DESIRE, WE'LL BE PLEASED TO SUBMIT A PRICE.

MME Form 7
(2/63)

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7/10/68	Kirkham	120
"	Johnson	110
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JUL 15 1968

AIRMAIL

Mrs. Marian D. Grewal
P. O. Box 1533
Santa Barbara, California 93102

Re: OME-6711 (Silver)
Marian D. Grewal
Grewal Ranch
Santa Barbara County, California

Dear Mrs. Grewal:

Your application for financial assistance in exploring for silver, and other information relating to the occurrence of valuable minerals on your property have been carefully reviewed.

This review indicates that although trace amounts of silver occur in the sedimentary rocks that underlie the surface alluvium, the probability of a commercial deposit is not sufficiently promising to warrant Government participation in the proposed exploration. Accordingly, we regret to inform you that your application for exploration assistance is denied.

We wish to thank you for your interest in the minerals exploration program, and for bringing your property to our attention.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

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

RMSmith/bsl 7/10/68

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(2/63)

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"	Johnson	110
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		120M

July 10, 1968

Memorandum

To: The File

From: Roscoe M. Smith

Subject: OME-6711 (Silver)
Marian D. Grewal
Grewal Ranch
Santa Barbara County, California

Justification for Denial of Application

The Applicant's proposal is to explore by diamond drilling from the surface an unspecified number of holes totaling 1,500 feet for silver-bearing ore bodies in sandstone and limestone of Eocene to Miocene age.

The OME Field Examiner concluded that measurable amounts of silver and other metals were deposited synegenetically over a large area, and that owing to the absence of structural controls or igneous sourcerrocks concentrations of silver and gold in commercial quantities cannot be inferred. He recommended, and the Field Officer concurred, that the application be denied.

Although most of the assays indicate only a trace of silver and gold, the highest assay indicates 2.6 ounces of silver per ton. Samples are representative only of the most oxidized rock, which may also be the most leached. Sampling of both oxidized and unoxidized rock over a larger area is warranted. Additional investigations by the OME would be outside the purview of its enabling act, but might be a suitable project under the Heavy Metals Program.

Roscoe M Smith

Roscoe M. Smith

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

RMSmith/bl 7/10/68

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

June 28, 1968

OFFICIAL COPY
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Memorandum

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

From: Field Officer
Region II

Subject: OME-6711 (Silver)
Marian D. Grewal
Grewal Ranch
Santa Barbara County, California

Enclosed is an Application Report on the subject property by Jack Carlson recommending that the application be denied. I concur in the recommendation.

H. K. Stager

Enclosure

UNITED STATES

DEPARTMENT OF THE INTERIOR

STEWART L. UDALL, SECRETARY

GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION

REGION II

On-Site Exam Report

APPLICATION REPORT

OME-6711 (Silver)
Grewal Ranch
Santa Barbara County, California

By

J. E. Carlson
Field Examiner
OME, Region II

June 28, 1968

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ILLUSTRATIONS

Figure 1. Index map of Santa Barbara County, California

INTRODUCTION

Mrs. Marian D. Grewal, P.O. Box 1533, Santa Barbara, California 93102, applied to the Office of Minerals Exploration for Government assistance in an exploration project, Docket OME-6711, to explore for silver at the Grewal ranch, Santa Barbara County, California. The applicant believes that minable silver deposits can be found in sandstone and limestone on the property and wishes to explore for these deposits by core drilling from the surface.

A field examination was requested by the Office of Minerals Exploration and was made by J. E. Carlson, Field Examiner, on June 3, 1968. He was accompanied by Mr. R. L. Ferdinando, consulting mining engineer for the applicant, and by the applicant, Mrs. Marian Grewal. The applicant's data were examined and compared with exposures on the property.

SUMMARY

The Grewal ranch contains a shallow bulldozer trench in sandstone and limestone. The applicant proposed to explore the prospect area by drilling a grid of diamond drill holes. The estimated total cost is about $25,000. The program lacks a target, and thus is mainly a prospecting venture.

RECOMMENDATIONS

It is recommended that the application be denied because there is no geologic target, or even a potential target, on the property.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The Grewal ranch consists of about 175 acres in sec. 21, T. 5 N., R. 28 W., SBM, Santa Barbara County, near San Marcos Pass, at an altitude of about 2,500 feet.

The property is about 12 miles west of Santa Barbara and is easily reached via the San Marcos Pass road and a paved road called El Dielo Camino. All necessary services, supplies, equipment, and labor are available in nearby towns or in Los Angeles. Water is available from small reservoirs and springs on the property. Assay service, at a cost of $5 per sample for silver, is available in Los Angeles.

PROPERTY

History and Production

There has been no mining on the property or in the vicinity.

Ownership

The property consists of the 175-acre Grewal ranch. Mrs. Marian Grewal owns the land and mineral rights and there are no liens, mortgages, or other encumbrances on the ranch.

Financial Eligibility

The applicant furnished copies of letters from two banks denying her request for a loan. The applicant proposed to furnish her share of the costs with cash.

Development

The property is developed by an open pit 20 feet long, 10 to 15 feet wide, and 5 feet deep. There are no structures associated with mining operations.

GEOLOGY

Geologic Setting

The Grewal property borders the Los Padres National Forest on the south flank of the Santa Ynez range northwest of Santa Barbara. The area is underlain by a thick section of sandstone and limestone marine rocks of Eocene to Miocene age. The attitude of these rocks on the Grewal ranch, and as seen in the surrounding valley sides, is nearly flat. There are no intrusive or extrusive rocks near the property.

Ore Deposits

A shallow trench was bulldozed by the applicant in a sandy, partly oxidized marine limestone on the top of a small knob. This rock, with a rind of oxidation, did have the appearance of a lightly mineralized gossan. The unaltered rock is blue-gray and where altered, is tan. The applicant's assays from rock taken from this pit indicated not much more than a trace of silver. The highest assay indicated 2.6 ounces of silver per ton. There was no vein development of any kind in the pit or nearby. In the opinion of the examiner, the origin of the metal in these rocks is depositional, and that random sampling over a large area would yield assays showing measurable amounts of various metals. None would be of economic importance. A piece of rock found near the pit was assayed by the applicant and found to contain 78 ounces of silver per ton, but it was stated in the application that this rock was probably not indigenous to the area.

Sampling

Three samples were taken from several places in the pit and one sample was taken from a small rock ledge above the pit. Only the most oxidized rock was sampled. Assays of the four samples indicated only trace amounts of silver and gold.

Ore Reserves

There are no ore reserves.

EXPLORATION

Applicant's Proposal

The applicant proposed to explore the area around the pit by core drilling a total of 1,500 feet on a grid pattern. Total cost estimated for the project was $25,000. The purpose of the proposed work was to find silver-bearing material in economic amounts. There was no specific target.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OME-6711
(Silver)

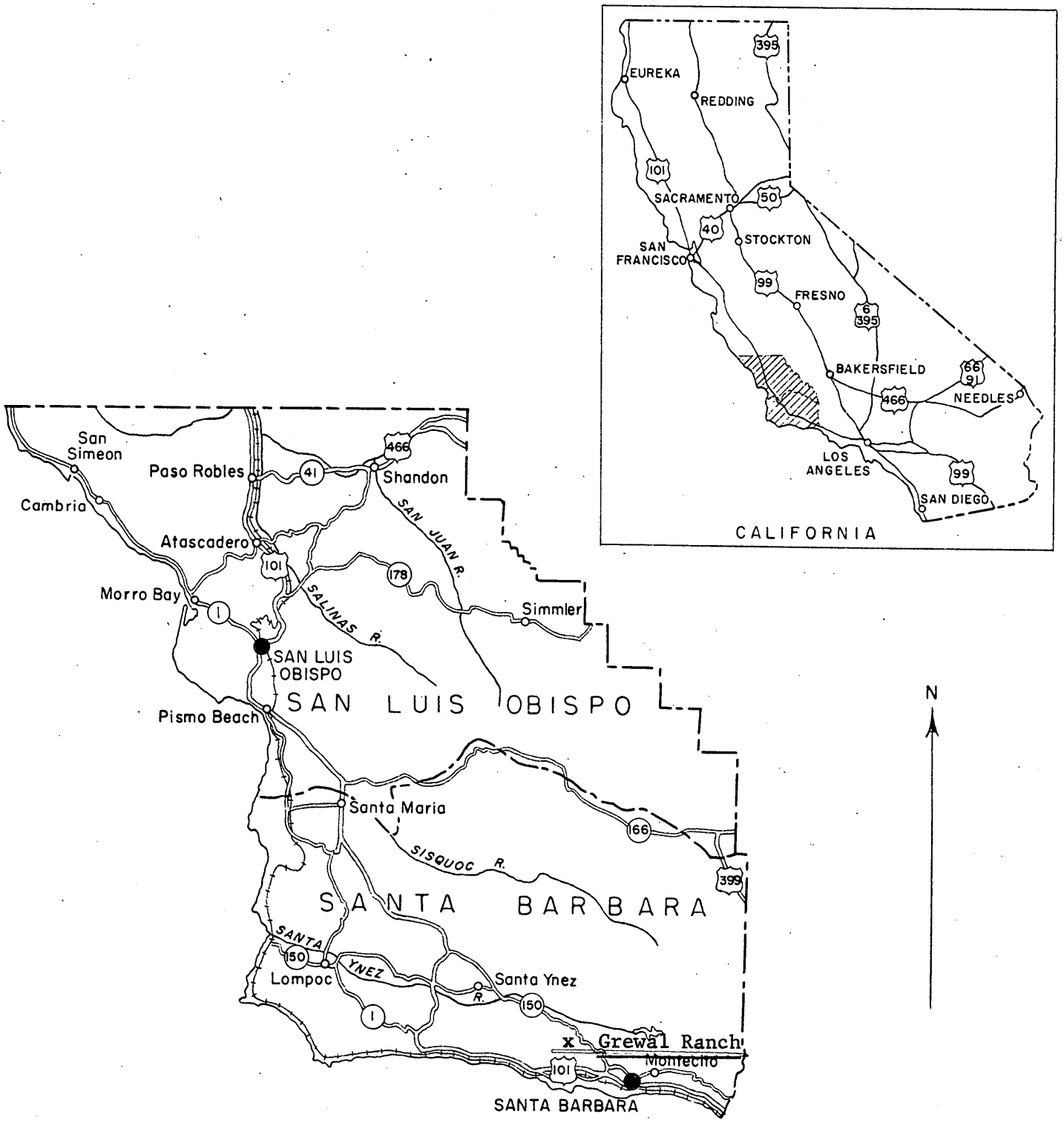

Figure. 1. INDEX MAP OF SAN LUIS OBISPO AND SANTA BARBARA COUNTIES, CALIFORNIA

0 20 40 60 Miles

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		120M

APR 26 1968

AIRMAIL

Mrs. Marian D. Grewal
P. O. Box 1533
Santa Barbara, California 93102

Re: OME-6711 (Silver)
Marian D. Grewal
Grewal Ranch
Santa Barbara County, California

Dear Mrs. Grewal:

Your application for financial assistance in exploring your property for silver has been reviewed by the Washington Office and referred to Mr. H. K. Stager, Field Officer, Region II, U. S. Geological Survey, Building 2, 345 Middlefield Road, Menlo Park, California 94025.

The Regional Office will notify you if additional information is needed or to arrange a field examination if necessary.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
Mr. Smith
Region II

RMSmith/bsl 4/25/68

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		220
		120M

APR 26 1968

AIRMAIL

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6711 (Silver)
Marian D. Grewal
Grewal Ranch
Santa Barbara County, California

The application is referred to Region II for a field examination and recommendations.

Your comments of April 8, 1968, and our review indicate that the proposed project is prospecting rather than exploration, and that any further attempts to elicit geological justification for the work from the Applicant would be ineffectual. We suggest that your examination be scheduled to coincide with other required work in the same general area.

FRANK E. JOHNSON

Frank E. Johnson

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
Mr. Smith
130

RMSmith/bsl 4/25/68

April 11, 1968

Mrs Marian D. Grewal
P. O. Box 1533
Santa Barbara, California 93102

Subject: OME - 6711

Dear Mrs Grewal:

Your application for exploration assistance, dated February 28, 1968, submitted to our office at Menlo Park, California, has been assigned Docket No. OME-6711.

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

(copy - [illegible])

[illegible]
1169

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
REPRESENTED BY THE
DIRECTOR OF PUBLIC WORKS

GOLETA QUADRANGLE
CALIFORNIA-SANTA BARBARA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 GOLETA 15' QUADRANGLE

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 5

Dashed land lines indicate approximate location

1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

UTM GRID AND 1950 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT HALF-INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 4 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route

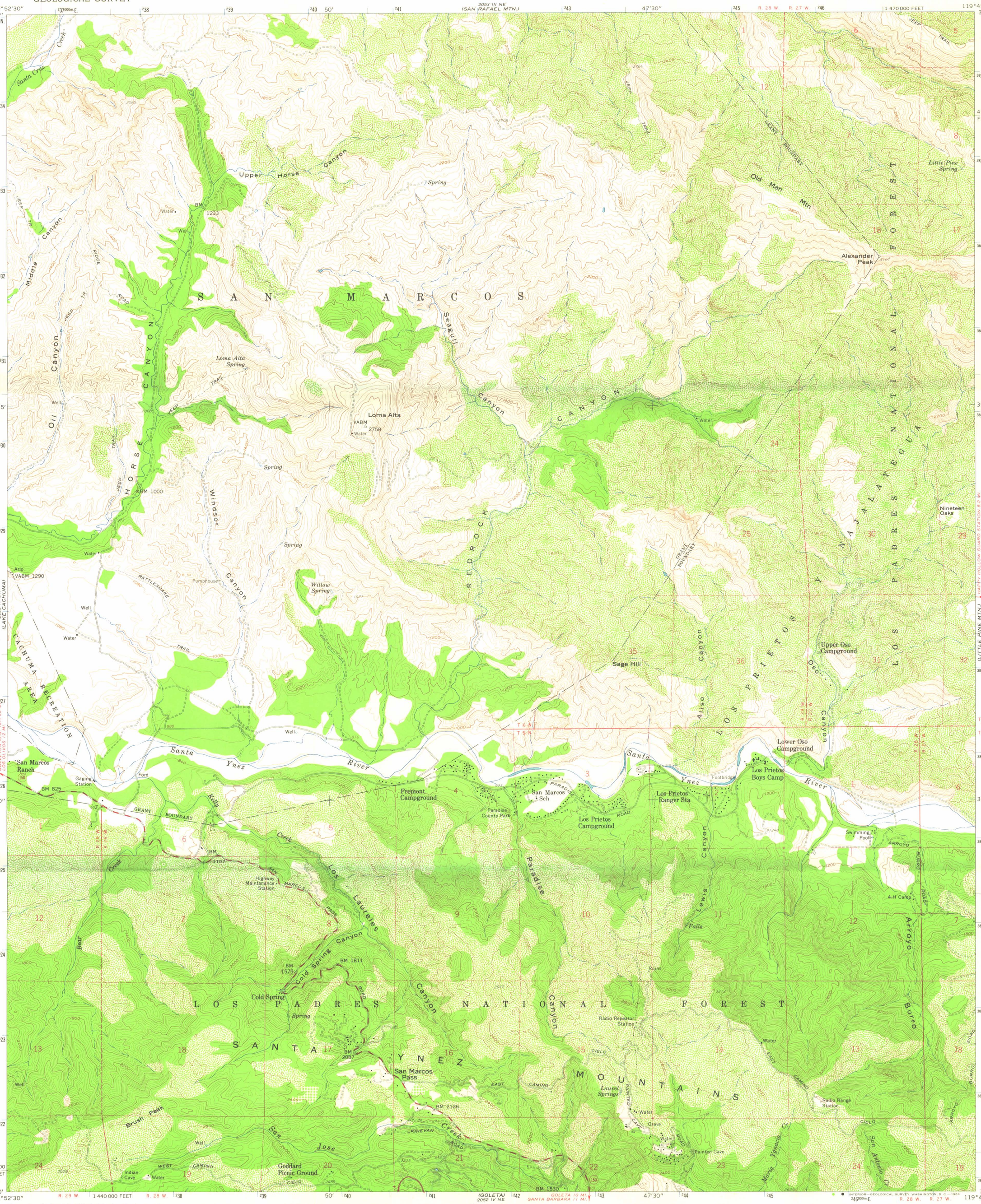
GOLETA, CALIF.
NE/4 GOLETA 15' QUADRANGLE
N3422.5—W11945/7.5

1950

AMS 2052 IV NE—SERIES V895

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SAN MARCOS PASS QUADRANGLE
CALIFORNIA–SANTA BARBARA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 SAN RAFAEL MTN. 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, USCE, and U.S. Bureau of Reclamation

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1953. Field check 1959

Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 5
1000-meter Universal Transverse Mercator grid ticks,
zone 11, shown in blue

Dashed land lines indicate approximate locations

GN MN
1°36' 28 MILS
16° 284 MILS
UTM GRID AND 1959 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

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CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

CALIF
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Medium-duty — Light-duty

Unimproved dirt

State Route

SAN MARCOS PASS, CALIF.
SE/4 SAN RAFAEL MTN. 15' QUADRANGLE
N3430—W11945/7.5

1959

AMS 2053 III SE–SERIES V895