MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE Contract No. _____ Docket No. 6769

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- [ ] Withdrawn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) 6/30/69
- [ ] 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

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

January 27, 1969

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 29 1969

INITIALS	CODE

Memorandum

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

From: Field Officer
Region II

Subject: New Application (Gold)
D. A. and F. H. Giles
Double Eagle Mine
Sierra County, California

Enclosed is a new application delivered to the Field Office today by Mr. Daniel A. Giles of 1050 Sanderling Street, Foster City, California 94404.

Mr. Giles has visited the Field Office on numerous occasions during the preparation of this application and as a result it appears to be reasonably complete. The cost estimates appear high, however, and if a contract is approved, some reductions in costs will be necessary to bring them into line with those allowed on other projects in the area.

H. K. Stager

Enclosures

original

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
DANIEL AARON GILES 1050 SANDERLING ST. FOSTER CITY, CALIFORNIA 94404	DOCKET NUMBER: 6769 DATE RECEIVED: 1/29/69 REGION: II DIVISION CODE:

BUSINESS ORGANIZATION (*Check one*)	LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE		
	NAME	ADDRESS	TITLE
INDIVIDUAL ☐ CORPORATION ☐ PARTNERSHIP ✓ OTHER (*Specify*) ☐	FREDERICK H. GILES	4804 BERKSFORD ST. SACRAMENTO CALIF. 95841	PARTNER
STATE IN WHICH FIRM IS ORGANIZED			

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE	PROPERTY NAME	LOCATION COUNTY	STATE
GOLD	DOUBLE EAGLE MINE	SIERRA	CALIF.
ESTIMATED COST OF PROJECT $ $73,892			

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 25, 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.

JANUARY 20, 1969
DATED

David C. Giles
BY (*Signature*)

PARTNER, 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

O. M. E. Financial Assist. Application.

Statements

Item 1:

A. Complete

B. Not applicable

C. By participating in the actual Mining, Geologizing and Engineering of the proposed Exploration Contract. By the amount of equipment owned by the applicants which is readily available for use in the O. M. E. Contract. Also by the furnishing of the necessary capital to complete the contract.

Item 2:

A. Owner partnership (brothers).

B. Refer to Mineral Survey Map #6313 marked thru 2-B. All claims listed here including those not listed in Mineral Survey #6313. Property was known as the Wonder Mine, later as the Gold Crown Mine and now as the Double Eagle Mine.

Description of Mining Claims:-

Wonder Number 1 - Quartz mining claim, amended notice of location of which is recorded at page 589 (or 599) of Book J of Quartz Claims, Sierra County Records.

Wonder Number Two - Quartz Mining Claim, amended notice of location of which is recorded at page 590 of Book J of Quartz Claim, said records.

The Right Place - Quartz Mining Claim, amended notice of location of which is recorded at page 90 of Book J of Quartz Claims, said records, and page 34 of Book P of Quartz Claims, said records.

The No Better Quartz Mining Claim - Amended notice of location, of which is recorded at page 170 of Book O of Quartz Claims, said records, and formerly known as the "Yankee Girl" Quartz Mining Claim, and the "Hard To Beat" Mining Claim.

The Alice Quartz Mining Claim - Particularly described in the notice of location thereof, recorded at page 274 of Liber P of Quartz Claims, said records.
The Heckley (or Hecla, or Heckel) Quartz Mining Claim - particularly described in the notice of location thereof, recorded at page 274 of said Liber P of Quartz Claims, said records.
The Jumbo Quartz Mining Claim - particularly described in the notice of location thereof, recorded at page 244 of Liber P of Quartz Claims, said records.
The Hidden Treasure Quartz Mining Claim - partcularly described in the notice of location thereof, recorded at page 280 of said Liber P of Quartz Claims, said records.
The No Better Extension Quartz Mining Claim - particularly described in the notice of location thereof, recorded at page 496 of Liber U of Quartz Claims records, Sierra County, California.
The Wonder Gold Mines Mill Site - particularly described in the notice of location thereof, recorded page 498, Liber U, Quartz Claims records, Sierra County, California.
The Hidden Treasure Annex Lode - particularly described in the notice of location thereof, recorded at page 178, Liber U, Quartz Claims records, Sierra County, California.
The Alice Annex Lode - particularly described in the notice of location thereof, recorded at page 178, Liber U, Quartz Claims records, Sierra County, California.
The Fifty Fifty Placer Mining Claim - the notice of location of which is recorded at page 368, of Book N of Placer Claims, Sierra County records, reference being hereby made to said Location for a more particular description of said mining claim.
The General Sherman North Extension - particularly described in the notice of location thereof, recorded at page 178, Liber U, Quartz Claims records, Sierra County, California.

Together with all tunnel rights, (of record) and belonging to said property.

C - Not applicable

Item 3:

A. Refer to Mineral Survey Map #6313, also maps marked 3a plan view, and 3a elevation view. on Wonder Claim #2 are old workings known as

Flynn & Bradbury. The work done at this location consists of 100' shaft on approximately 70 degree incline. At the bottom of the shaft is an 800 ft drift running north. About 600 ft ~~xxx~~ shoot of gold bearing quartz was discovered. It was thought best in the conduct of the pursuit of mining to go to the lower workings & mine under the plan of raising from the lower workings to save the expensive cost of sinking on the vein and pumping water. In addition we have a small mill of approximately 2½ tons per 8-10 hr capacity that we intend to use for high garde ore when encountered, at this lower level. This mill is b out 300 ft from the portal.

B. Half interest each brother (partnership).

C.- The production of the Flynn-Bradbury workings is not truly known as the early records do not state the actual production or value but does state ore was encountered showing visable gold.

We, (my brother and I) made the first strike in recent years when we discovered the vein in 1953 which was for the "Gold Crown Corporation". The production was never truly known, but my brother and I received some very rich highgrade gold ore samples from that particular strike which we still have. Location shown on map marked plan view 3a.

D- The Alleghany Mining District, approximately 32 square miles in area, geoligized by Ferguson & Gannett for the government in their Book Professional Paper 172 <u>Gold Quartz Veins of Alleghany District</u>, states that per foot mined some of these mines have probably the greatest yield of any mines in the world (i.e.) per square foot mined. These are commonly known as ore shoot mines enriched in certain areas of the vein, but particularly barren on the rest of the vein itself. Therefore it is not practical to mine these sections, only the ore shoot or enriched areas. The Sixteen to One was this type of mine adjacent to the Double Eagle Mine, on the east side and the largest producer in the district.

We feel that with the first showing of this mine it could be a real producer. Assqgs in this district are of no consequential value as

as far as profitable production is concerned, are usually misleading and detrimental in some cases. (Refer to Professional Paper 172).

E.-Refer to map marked 3a Plan View Geologized Area, the geological features that are necessary and paramount requisite pertaining to productive veins in the Alleghany District are No. 1. The serpentine dikes and diklets which the Double Eagle Mine has one of the major dikes adjacent to the vein on the West side, also smaller known diklets similar to those of the Sixteen to One Mine. Fissures showing strong gauges on the wallsand within the vein itself. This shows movement on the walls at the time of mineralization. This geological characteristic, - the Double Eagle Mine has. Certain conditions similar to the Sixteen to One Mine, such as the Kanaka formation which constitutes part of their foot wall is also part of the Double Eagle Mine foot wall. Also both mines are on the East side of the aforementioned major serpentine dike. Approximate location shown on Survey Map #6313.

F.-Visable gold bearing ore was found in the old workings, but was not pursued because of the water and the shallow depth area on the vein. It was decided to drive the lower tunnel to that area approximately 400 ft directly below the old workings in the vicinity of the ore shoot. This should be 750 ft from the present face. We should encounter ~~the~~ a vein junction approximately 200 ft north of the present face along the strike of the present vein. This vein junction has excellent geological producing possibilities.

G.-Refer to maps listed in item 3-a
There was only one Engineer Report prior to our mining at the Double Eagle (Gold Crown Mine) Mine very optomistic because of its location but of no value geologically speaking, by Mining Engineer, John D. Hubbard of Paradise, California. This report we no longer have - - - - Hubbard died several years ago.

Item 4

A- Notify Daniel A. Giles, 1050 Sanderling Street, Foster City, California, phone 344-2650, San Mateo County.
A paved road leads from Hiway 49 and goes thru the mine property and

from there a good heavy duty dirt road goes directly to the mine portal.

B- Alleghany Sierra County California. General Store known as Alleghany Supply Company and Post Office located all in the same building about a ½ mile from the Double Eagle Mine. Heavy shipping point for rail freight is Colfax California which is 50 miles, heavy truck freight is 37 miles to Grass Valley California.

Item 5

A-Proposed exploration work is to consist of a standard 5' x 7' mucking machine drift running north at the lower workings (main adit level) for 750 ft. This point should be at or near the vein junction shown in the old workings of Flyn & Bradbury. Refer to Survey Map #6313 also maps marked 3a plan view and 3a elevation view.

B-No access road needed, already constructed.

C-Due to the mines location, weather is the determining factor in the commencement of the exploration. Barring any large amount of snowfall toward the end of winter, April should be a good date for the start of work, possibly sooner.
Averaging 3½ ft per shift, working a 6 day week or 25 days per month and averaging 84 ft per month unless heavy ground encountered work would be completed in 10 months, i.e. 1 month for rehabilitation of the tunnel and 9 months for actual exploration.

Item 6

All exploration for profitable ore were conducted at the Gold Crown Mine by my brother and myself with the exceptions of the old workings shown in maps marked 3a. All discoveries such as present vein and explbration work thereon was also done by us. My brother and I worked at the Sixteen to One Mine in the years 1938 and 1939. I have worked in mines in Alaska and Peru, South America. We have a well rounded background of practical mining experience and feel well qualified to perform and practical geological engineering or supervisory work necessary to complete the O. M. E. Contract.

Item 7 No independent contracts.

B-C-Cost breakdown of 5' x 7' drift for 750 ft. on main adit level. Drifting at the rate of 3½ ft. per day on a 6 day week or 25 day month, average 84 ft. per month.

Labor		per ft.
2 underground miners @ $3.50 hr. (plus 1½ o.t.) 48 hr. wk.		$17.34
1 surface miner	3.50 hr. (plus 1½ o.t.) 48 hr. wk.	8.67

Supplies

Powder $30.40 cwt 62½ lb. per round	4.00
Fuse $15.75 3m ft .006¢ per ft. 25 burn holes	1.35
#6 caps $3.80 per hundred .04¢ ea. 25 burn holes	1.00
Drill steel 5 ft. $20.85 ea. steel life 300 ft.	3.50
20 lb. rail $273 ton 300 ft. ton 91¢ ft.	1.82
ties 4 x 6-30 inch $45.00 m on 2 ft. centers	.05
spikes ½ x 3 inch $26.50 cwt 560 per keg .046¢ each	.05
Fish plates & bolts $1.67 pr. every 20 ft.	.17
2 inch water pipe 800 ft. bundle $500.00	.64
Miscel. pipe fittings, valves unions etc.	.50
Ventilation pipe 12 inch 5 ft. length	1.30
Power electric $500 month 84 ft. month	5.95
Overhead:	
1-Engineer-accountant-supervisor @ $4.52 hr. 40 hr. week	8.61
s.s. 4.8% unemp. ins. 3.5% of $34.62	2.84
surface industrial comp 8.34% of $17.28	1.44
underground industrial comp 17.2% of $17.34	2.98

Maintenance of Equipment:	
Compressor parts	.85
Rock drill machines	.70
Locomotive	.25
Grinder parts	1.70
Cars	.41
Loader	1.20

Camp expenses:

Maintenance of buildings-plmbg.heat-electrical etc.	1.60
Road maintenance-grading ditching snow removal	.14
Truck/auto expense-general supplies pickup-business trips liability insurance.	4.17

Depreciation:

Equipment total $\frac{\$33,906}{60} = \$565.10 \times 9$ months $\frac{\$5,085.90}{750 \text{ ft.}}$ 6.78

Total cost per foot $80.01

D-cont'd:

Equipment to be purchased:

6 Wheat Miners Lamps w/charger complete unit	360.52
Coppus Ventair fan w/20 hp motor	1100.00

Item 7

D-Items provided by applicant: Fair market value. All good condition.

1-Eimco mucking machine	$2000.00	
1- J R Compressor 310 cu ft 1 stage w/motor	800.00	
1-Gardner Denver 2 stage	1800.00	
2-Atlas Copco airleg drills	1600.00	
200 ft 1 inch air hose w/spud connectors	130.00	fair
200 ft ½ inch water hose w/spud connectors	35.00	fair
6-1½ ton side dump cars	900.00	
1-pressure water tank-underground	125.00	
1 air receiver riveted 3½ ft × 8 ft	450.00	
1 ditto 2½ ft × 7 ft welded	250.00	
1 ditto ditto	250.00	
1 welding car for underground use	150.00	
2040 ft 3½ inch air line	3000.00	
2000 ft 2 inch water line	1000.00	
1 air driven bit grinder	350.00	
bench grinder	35.00	
arc welder 300 amp w/cables & stinger	600.00	
acetylene outfit, heavy duty comb. cut/welding torch	200.00	
1 inch drive socket set	150.00	
chest with set mechanics tools garage type	90.00	
drill steel, Swede steel with chisel bit (integral)		
2-2 ft long	13.20	
4-1¼ ft long	64.00	
5-8 ft long	95.00	
3-6 ft long	57.90	
2 hose oilers	14.00	
1 Mancha locomotive completely rebuilt	$4865.00	
1 battery charger for locomotive	350.00	
750 ft 3½ inch line (air) for project @ $1.75 ft	1312.50	
shop bldg. steel frame, metal sheeting, concrete found. reinforced 1560 sq ft @ $7.00 sq ft	10920.00	
1 Monarch Lathe	500.00	
1 Superior drill press floor mount power feed	250.00	
1 timber framing saw	450.00	
1 power hacksaw	200.00	
2 Acorn tables	500.00	
1 blacksmith forge	100.00	

Total $33,906.00

E-Rehabilitation of tunnel:

Clean up tunnel and ditch due to cave-in. Rehanging of ventilation pipe. Replace 9 inch ventilation line with 12 inch from portal to 1000 ft inside tunnel also 750 ft from winze to present face

Clean up & timber	$3000.00
Vent. Pipe	3100.00

Regrade & ditch road	200.00

The bldg. housing the compressor must be replaced to conform to Federal & State Mine Safety Regulations. Material & Labor 1500.00

EQUIPMENT REHABILITATION:

1 USED 20 CELL LEAD ACID LOCOMOTIVE BATTERY $750 PLUSS FREIGHT $35.71 F.O.B. SALT LAKE CITY. $785.71

Timbering:

2 miners timbering & one outside man will average 10 ft. per shift

Labor per foot	per foot
2 underground @ $3.50 hr 48 hr wk plus 1½ o.t.	$5.60
1 surface ditto ditto ditto	2.80

Timber costs on trk/trlr load basis approx 10¢ bd. ft.
A set of timbers covers 5 foot.

Supplies:	2 posts 8" x 8"- 7'	75 bd ft		
	1 cap 8" x 8"-6'	32 bd ft		
	4 spdrs 4" x 4"-7'	19 bd ft		
	12 lag 2" x 12"- 7'	168 bd ft		
	6 lag 3" x 12"-7'	126 bd ft		
		420 bd ft @ 10¢	$42.00	8.40
	14 wedges 2" x 4"-12" @6¢ each 84¢			.17
	spikes $11.15 cwt			.05

Overhead:

1-Eng. Supervisor Acct. $4.52 hr. 40 hr. wk.	3.00
s.s. 4.8% unemp. ins. 3.5% total 8.3% of $11.40	.95
Surface Ind. Comp. Ins 8.3% of $5.80	.48
Underground Ind. Comp Ins. 17.2% of $5.60	.96
Power, electric $250.00 mo-250 ft. month	1.00
Tools	.45
Camp expenses	.56
Road maintenance	.06
Truck & auto expense	1.16
Timber cost per foot	$25.64

It is estimated that approx 20% of the 750 ft. drift will have to be timbered. 1/5 of 750 ft. is 150 ft. times $25.64 per ft. or $3846 for timbering.

January 14, 1969

Hibernia Bank
Santa Clara & Pedro Sts.
San Jose, California 95113

Attention; Mr. Joseph V. Lucia

Dear Sir,

I (my brother and myself) have a group of mining claims in Alleghany, Sierra County, California which are joining the Sixteen to One Mine on the east side. This group of gold mining claims have an excellent possibility of profitable production if enough exploratory work is performed to locate the rich ore shoots that are so characteristic of this district.

I would therefore like to make a request for an exploratory loan from your bank. We would be willing to repay this loan out of production from the gross sales of gold at the rate, not more than, 8% simple interest on the unpaid balance.

Now in order to do complete justice in exploring this vein, we would have to have a commitment from your bank of approximately $55,500.00.

We will be more than willing to take you or your representative over the entire property, as well as underground, to show you the possibilities of this mine.

I will be wating for your reply.

Yours truly,

Daniel A. Giles

Daniel A. Giles
1050 Sanderling St.
Foster City, California 94404

P.S. Please return two copies of your reply.

SAN MATEO SAN JOSE

THE HIBERNIA BANK

SAN FRANCISCO, CALIFORNIA

January 24th, 1969

Mr. Daniel A. Giles
1050 Sanderling Street
Foster City, California 94404

Dear Mr. Giles:

Your letter of January 14th requesting a commitment from us of approximately $55,500.00 has been received.

This matter was referred to our Loan Committee and they have asked that we inform you that The Hibernia Bank does not make the type of loan you request.

We regret that we are not able to serve you at this time.

Yours very truly,

J. Lucia
Assistant Manager

JL/f

COPY

January 11, 1969

Wells Fargo Bank
1001 East Hillsdale Blvd.
Foster City, California

Attention: Manager

Dear Sir:

I (my brother and myself) have a group of mining claims in Alleghany, Sierra County, California, which are adjoining the Sixteen to One Mine on the east side. This group of gold mining claims have an excellent possibility of profitable production if enough exploratory work is performed to locate the rich ore shoots that are so characteristic of this district.

I therefore would like to make a request for an exploratory loan from your bank. We would be willing to repay this loan out of production from the gross sales of gold at a rate, not more than, 8% simple interest on the unpaid balance.

Now, in order to do complete justice in exploring this vein, we would have to have a commitment from your bank of approximately $ 55,500.00 (Dollars).

We will be more than willing to take you or your representative over the entire property, as well as underground, to show you the possibilities of this mine.

Please reply in duplicate.

Yours truly,

Daniel A. Giles

Daniel A. Giles
1050 Sanderling St.
Foster City, Calif. 94404

Since 1852

WELLS FARGO BANK

FOSTER CITY OFFICE
1001 EAST HILLSDALE BOULEVARD
FOSTER CITY, CALIFORNIA 94403

January 17, 1969

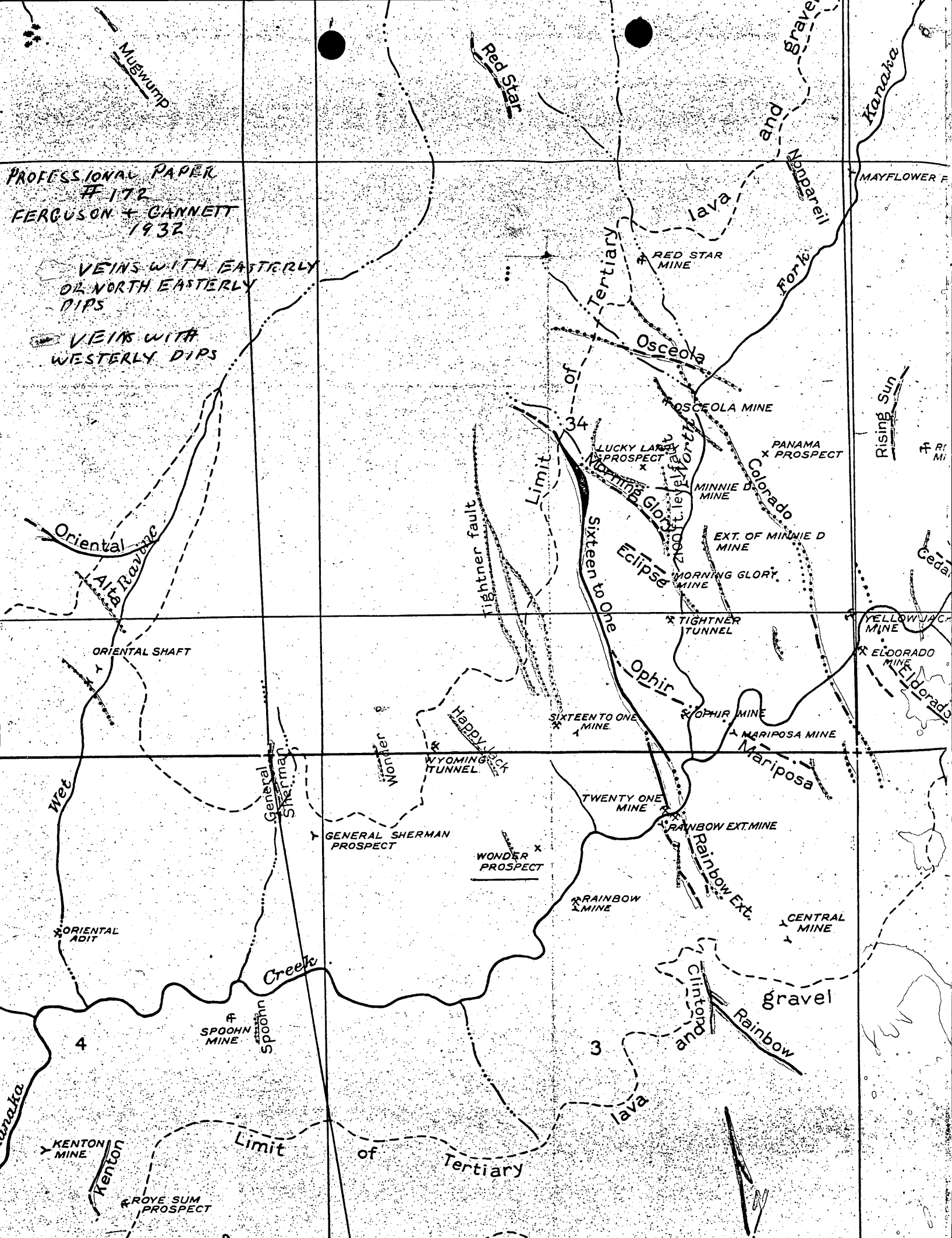
Mr. Daniel A. Giles
1050 Sanderling Street
Foster City, California 94404

Dear Mr. Giles:

In reply to your request for a loan of $55,500.00 at 8 per cent simple interest to invest as capital for your gold mine, we are sorry we are unable to accommodate your request at this time.

Sincerely,

/s/ A.C. Kirkland
(Mrs.) A. C. Kirkland
Manager


PROFESSIONAL PAPER
#172
FERGUSON + GANNETT
1932
VEINS WITH EASTERLY OR NORTH EASTERLY DIPS
VEINS WITH WESTERLY DIPS
Mugwump
Red Star
Kanaka
Nonpareil
Fork
MAYFLOWER F
lava
and
gravel
Tertiary
RED STAR MINE
Osceola
OSCEOLA MINE
Limit
of
34
LUCKY LADY PROSPECT
North
PANAMA PROSPECT
Rising Sun
Colorado
MINNIE D MINE
Morning Glory
Eclipse
EXT. OF MINNIE D MINE
MORNING GLORY MINE
Sixteen to One
Tightner fault
Oriental
Alta Ravine
TIGHTNER TUNNEL
YELLOW JACK MINE
ELDORADO MINE
Eldorado
Cedar
ORIENTAL SHAFT
Ophir
OPHIR MINE
SIXTEEN TO ONE MINE
MARIPOSA MINE
Happy Jack
Wonder
WYOMING TUNNEL
Mariposa
Wet
General Sherman
TWENTY ONE MINE
RAINBOW EXT. MINE
GENERAL SHERMAN PROSPECT
WONDER PROSPECT
Rainbow Ext.
RAINBOW MINE
CENTRAL MINE
ORIENTAL ADIT
Creek
Clinton
gravel
Rainbow
SPOOHN MINE
Spoohn
4
3
lava
KENTON MINE
Kenton
Limit
of
Tertiary
ROYE SUM PROSPECT

OFFICIAL
COPY
O. M. E.
RECEIVED
JAN 29 1969

INITIALS	CODE

MME Form 7
(2/63)

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Date	Surname	Code
7/8/69	Emerick	120
7/9/69	Kirkemo	120
7/9	Peterson	
		220

AIRMAIL

JUL 10 1969

Mr. Daniel Aaron Giles
1050 Sanderling Street
Foster City, California 94404

Re: OME-6769 (Gold)
D. A. and F. H. Giles
Double Eagle Mine
Sierra County, California

Dear Mr. Giles:

A careful review of your application for financial assistance to explore the subject property and other information available to us indicates that the probability of disclosing significant reserves of gold on your property is not sufficiently promising to justify Government participation in the proposed exploration. Accordingly, we regret to inform you that your application for assistance is denied without prejudice.

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

Sincerely yours,

Harold Kirkemo (fa)
Harold Kirkemo, Chief
Office of Minerals Exploration

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

WLEmerick/bsl 7/8/69

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(2/63)

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Date	Surname	Code
7/8/69	Emerick	120
7/9/69	Kirkham	120
7/9	Peterson	
		220

July 8, 1969

Memorandum

To: The File

From: William L. Emerick

Subject: OME-6769 (Gold)
D.A. and F.H. Giles
Double Eagle Mine
Sierra County, California

The Applicant proposed to explore a westerly-dipping gold quartz vein in schist by driving 750 feet of drift. Total cost of the work, including rehabilitation, timbering, supervision, and camp expenses, was estimated at $73,892. The Government's participation in the project at 75 percent of the total cost would amount to $55,419.

A careful review of the application indicates that past production from the mine has been small and mostly of pods of high-grade specimen gold ore of undetermined value. Results of examination indicate that small high-grade ore shoots probably occur along the vein in the area the Applicant proposes exploration but the value of the ore would not be sufficient to repay the cost of the work. Geological Survey literature on the district stresses that easterly-dipping quartz veins are the most important economically and have yielded almost all of the gold produced in the district. Little production has come from the westerly-dipping veins such as occur in the Applicant's mine. The westerly-dipping quartz veins are generally considered unfavorable for significant ore shoots.

The Field Officer recommends denial of the application because the geologic probability of discovering sufficient ore reserves to pay the cost of the work is too remote to justify Government participation.

Based on a review of the application and the Field Officer's Application Report I concur that the application be denied without prejudice.

William L. Emerick

William L. Emerick

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

WLEmerick/bsl 7/8/69

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

June 30, 1969

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 2 1969
INITIALS | CODE
130
120
HK 170
WE 120

Memorandum

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

From: Field Officer
Region II

Subject: OME-6769 (Gold)
D. A. and F. H. Giles
Double Eagle Mine
Sierra County, California

Enclosed is an Application Report on the subject property, recommending that the application be denied. Although it is probable that some high-grade gold ore would be discovered by the Applicants' proposed exploration, the quantity is not likely to be sufficient to repay the cost of the work.

H. K. Stager

Enclosure

UNITED STATES

DEPARTMENT OF THE INTERIOR

WALTER J. HICKEL, SECRETARY

GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION

REGION II

On-Site Exam Report

APPLICATION REPORT

OME-6769 (Gold)
D. A. and F. H. Giles
Double Eagle Mine
Sierra County, California

By

H. K. Stager
Field Officer
OME, Region II

June 30, 1969

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ILLUSTRATIONS

Figure 1. Index map of Sierra County, California

INTRODUCTION

The partnership of Daniel A. Giles and Frederick H. Giles, 1050 Sanderling Street, Foster City, California 94404, applied to the Office of Minerals Exploration for Government assistance in an exploration project, Docket OME-6769, to explore for gold at the Double Eagle Mine, Sierra County, California. The Applicants infer the presence of high-grade gold-bearing ore shoots along a quartz vein between serpentine and schist of Carboniferous age and wish to explore the deposit by drifting along the vein.

A field examination was requested by the Office of Minerals Exploration and was made by H. K. Stager, Field Officer, on June 5, 1969, accompanied by Mr. Daniel A. Giles. The Applicants' maps and cross sections were studied and compared with surface and underground exposures in the mine.

SUMMARY

The Double Eagle Mine contains a gold-bearing quartz vein in schist along a contact between schist and serpentine. The results of the examination indicate that small high-grade ore shoots probably occur along the vein, in the area that the Applicants wish to explore, but that the value of the ore that might be discovered would not be sufficient to repay the cost of the work. Previous exploration by the Applicants, including about 1,000 feet of drifting along the vein, yielded only a small amount of high-grade specimen gold ore of undetermined value. The Applicants proposed to explore other favorable target areas along the vein with a program consisting of about 750 feet of drifting, at a total cost of about $74,000, and requiring about 10 months to complete.

RECOMMENDATIONS

It is recommended that the application for Government assistance in an exploration project at the Double Eagle Mine be denied. The geologic probability of discovering sufficient ore reserves to repay the cost of the work is too low to justify Government participation.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The Double Eagle Mine is in sec. 3, T. 18 N., and sec. 34, T. 19 N., R. 10 E., MDM, in the Alleghany Mining District, Sierra County, California (Fig. 1), on the north side of Kanaka Creek at an altitude of about 3,900 feet.

The mine is about one-half mile from the town of Alleghany and is readily accessible by a good dirt road from that point. Labor, mail, and telephone service are available in Alleghany. Mining equipment, materials and supplies, and express and freight service are available in Grass Valley (35 miles). Rail freight service is available in Colfax (50 miles). Water and timber are abundant on the property and dimension mine timber is available from local sawmills within about 20 miles. Local wage scale for mine labor is about $3 per hour.

PROPERTY

History and Production

An excellent summary of the history and production of the Alleghany district is given in USGS Professional Paper 172.[/]

[/] Ferguson, H. G., and Gannett, R. W., 1932, Gold quartz veins of the Alleghany district, California: U.S. Geol. Survey Prof. Paper 172, p. 25-28.

Placer gold was discovered in the district about 1850 and lode mining was begun about 1853. Total production for the district is probably in excess of one million ounces of gold, of which more than 90 percent is from lode deposits.

The Double Eagle Mine was formerly known as the Wonder Mine and also as the Gold Crown Mine. There is no recorded production from the property although old reports mention exposed ore containing visible gold. The Applicants discovered a small ore shoot of extremely rich ore in 1953 and specimen gold ore with an estimated value of about $10,000 was mined. Some of this ore was sold, as mineral specimens, and some is still in the possession of the Applicants. There has been no production from the mine since 1953 and no exploration work since 1957.

Ownership

The property consists of 14 unpatented mining claims, owned by the Applicants and recorded in the Sierra County records at Downieville, California, as follows:

Claim Name	Book	Page
Wonder No. 1	J	589
Wonder No. 2	J	590
Right Place	J & (P)	90 & (39)
No Better (formerly Yankee Girl and Hard to Beat)	O	170
Alice	P	274
Heckley (or Hecla or Heckel)	P	279
Jumbo	P	294
Hidden Treasure	P	280
No Better Extension	U	496

Claim Name	Book	Page
Wonder Gold Mines Mill Site	U	498
Hidden Treasure Annex	U	178
Alice Annex	U	179
Fifty-fifty Placer	N	368
General Sherman North Extension	U	178

Financial Eligibility

The Applicants furnished copies of recent requests to two banks for loans to finance the work and also copies of letters from the banks denying the loans. The Applicants state that they are prepared to furnish their share of the costs of the work by use of equipment, supplies, labor, and cash.

Development

The Double Eagle Mine is developed by an old shaft 100 feet in depth on a 70° incline with 800 feet of drifting on the 100-level, known as the Flynn and Bradbury workings, and by a newer lower level adit (400-level) consisting of a crosscut 1,000 feet in length and about 1,000 feet of drift with several short winzes and raises. The old upper workings are largely caved, flooded, and inaccessible. The newer lower workings are open and accessible except for the winze, that is flooded, and about 200 feet of drift that is caved. The lower workings are equipped with rail, air and water lines, and in part with a 9-inch ventilation line. Mining equipment consists of a battery-powered locomotive, 6 mine cars, mucking machine, 2 compressors, 2 drills, a machine shop and forge, and various small tools. The surface plant consists of a large shop building and several small sheds and cabins. The Applicants also have a small mill of about 8 tons-per-day capacity in a mill building about 300 feet from the portal of the lower adit.

GEOLOGY

Geologic Setting

A detailed description of the geology and ore deposits of the Alleghany district is contained in USGS Professional Paper 172 and need not be repeated for the purposes of this report.

The area of the Double Eagle Mine consists of interbedded schist, slate, and tuff of Carboniferous age intruded by gabbro and serpentine of probable Tertiary age. Most of the crosscut adit is in slate and tuff of the Kanaka Formation, that in general strikes north and dips steeply west. Overlying the Kanaka Formation rocks is a schistose quartzite, or quartz-mica schist, known as the Relief Quartzite that also strikes north and dips west. Intruding the Relief Quartzite is a large north-trending mass of gabbro about 1 mile in thickness. Locally the schist and gabbro are separated by a dike of serpentine about 500 feet in thickness.

Faulting is common in the district and in general consists of two principal sets, both of which strike north or northwest, and one dipping westerly and the other easterly. Faults of both sets commonly contain quartz veins, most of which are gold bearing. The easterly-dipping quartz veins are the most important economically and have yielded almost all of the gold produced in the district. Little production has come from the westerly-dipping veins and they are generally considered to be unfavorable for significant ore shoots. The Double Eagle Mine is on a westerly-dipping vein.

Ore Deposits

The gold-bearing ore shoots at the Double Eagle Mine occur in a quartz vein along a fault that strikes north and dips from 40° to 65° west. Most of the vein is in quartz-mica schist of the Relief Quartzite. The quartz

vein ranges from a few inches to as much as 5 feet but averages about 2 feet in thickness. The only ore that has been mined consisted of small pods of high-grade material containing abundant free gold in quartz. Gangue minerals are mariposite, calcite, and some arsenopyrite and pyrite.

The vein, where explored for about 800 feet on the 100-level, contained two gold-bearing shoots but these were too small, or low grade, to mine economically. About 500 feet of exploration along the vein on the 400-level discovered one small shoot from which an estimated $10,000 in high-grade specimens was mined but this was the only minable material found. The vein dips into the serpentine dike about 25 feet below the 400-level and probably bottoms at that point. Additional drifting to the north, on the 400-level, would explore the vein down dip below the shoots discovered on the 100-level and these shoots may contain minable ore but the quantity and grade of the ore probably will not repay the cost of development.

Sampling

Several specimens of vein material and wallrock were taken during the examination for laboratory study, but no samples were cut for assay. Because of the nature of the ore bodies small samples are of little or no value. Most of the quartz vein material contains only a trace of gold except in the small pods of ore where the gold content may constitute the major part of the rock and have a value of many thousands of dollars per ton.

Ore Reserves

The Applicants state that there are no reserves of minable gold ore known in the accessible workings. It is perhaps reasonable to infer that

several additional small pods of high-grade material, similar to the one mined, will be found in the 750 feet of vein that the Applicants propose to explore but, as is so often the case in deposits of this type, the cost of the work will probably greatly exceed the value of the gold to be found.

EXPLORATION

Applicants' Proposal

The Applicants proposed to explore the favorable quartz vein exposed in the 400-level adit drift by driving an additional 750 feet of drift along the vein to the north beneath the old Flynn and Bradbury workings. Total cost of the work, including rehabilitation, timbering, supervision, and camp expenses, was estimated at $73,892. Time to complete the work was estimated at 10 months.

Although several favorable targets exist in the segment of the vein that the Applicants propose to explore, the probability of discovering gold ore of sufficient value to repay them for the cost of the work is low. The probability of discovering ore of sufficient value to repay the Government's contribution to such a project is extremely remote. Previous exploration, in the 1,000 feet of drifting along the vein, has not resulted in the discovery of enough ore to even partly repay the large development and operating costs of the mine.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OME-6769
(Gold)

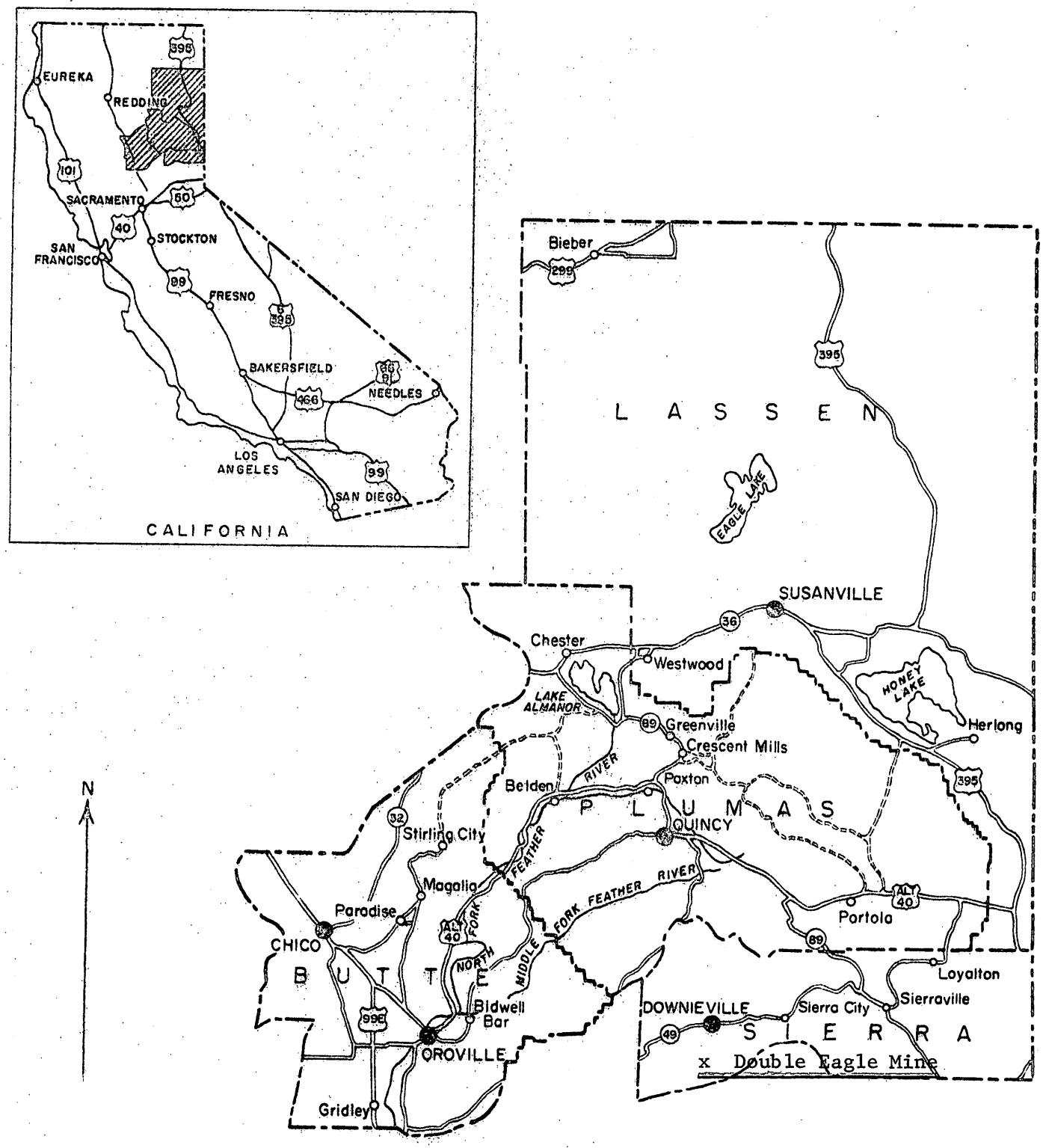

Figure I. INDEX MAP OF BUTTE, LASSEN, PLUMAS, AND SIERRA COUNTIES, CALIFORNIA

MME Form 7
(2/63)

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Date	Surname	Code
1/31/69	Emerick	120
1/31/69	Kitkemo	120
1/31	Coe	110
		~~220~~
		120M

JAN 31 1969

AIRMAIL

Mr. Daniel Aaron Giles
1050 Sanderling Street
Foster City, California 94404

Re: OME-6769 (Gold)
D.A. and F.H. Giles
Double Eagle Mine
Sierra County, California

Dear Mr. Giles:

The application for assistance in exploring the subject property has been reviewed by the Washington Office and referred to Mr. H. K. Stager, Field Officer, Region II, Office of Minerals Exploration, U. S. Geological Survey, Bldg. 2, 345 Middlefield Road, Menlo Park, California 94025.

Mr. Stager will notify you if he requires additional information concerning the application and possibly to make arrangements for an on-site examination of the property.

Sincerely yours,

FRANK E. JOHNSON (gla)

Frank E. Johnson
Chief, Office of
Minerals Exploration

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

WLEmerick/bsl 1/31/69

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(2/63)

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Date	Surname	Code
1/31/69	Emerick	120
1/31/69	Skidmore	120
		110
		220
		120M

JAN 31 1969

AIRMAIL

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6769 (Gold)
D.A. and F. N. Giles
Double Eagle Mine
Sierra County, California

The subject application is referred to you for further study, a field examination if warranted, and recommendations.

The information submitted with the application has been reviewed and appears fairly complete. We agree that the cost estimates are much too high. In the event a contract is approved they should be pared down by approximately fifty percent to bring them into line with cost estimates approved for other projects.

FRANK E. JOHNSON (gla)

Frank E. Johnson

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Mr. Emerick
130

WLEmerick/bsl 1/31/69

January 29, 1969

Mr. Daniel Aaron Giles
1050 Sanderling Street
Foster City, California 94404

Subject: OME-6769

Dear Mr. Giles:

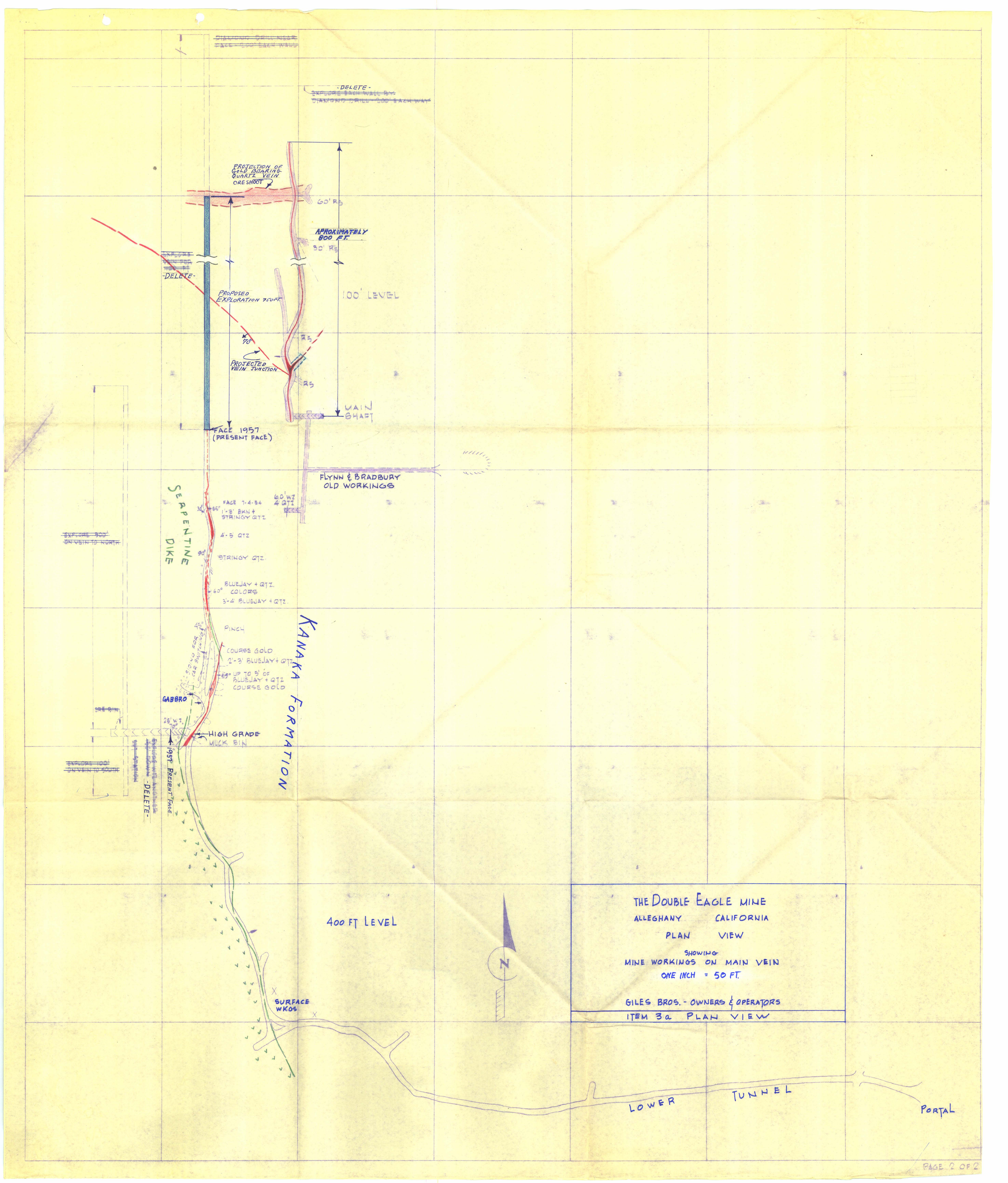
Your application for exploration assistance, dated January 20, 1969, submitted to our office at Menlo Park, California, has been assigned Docket No. OME-6769.

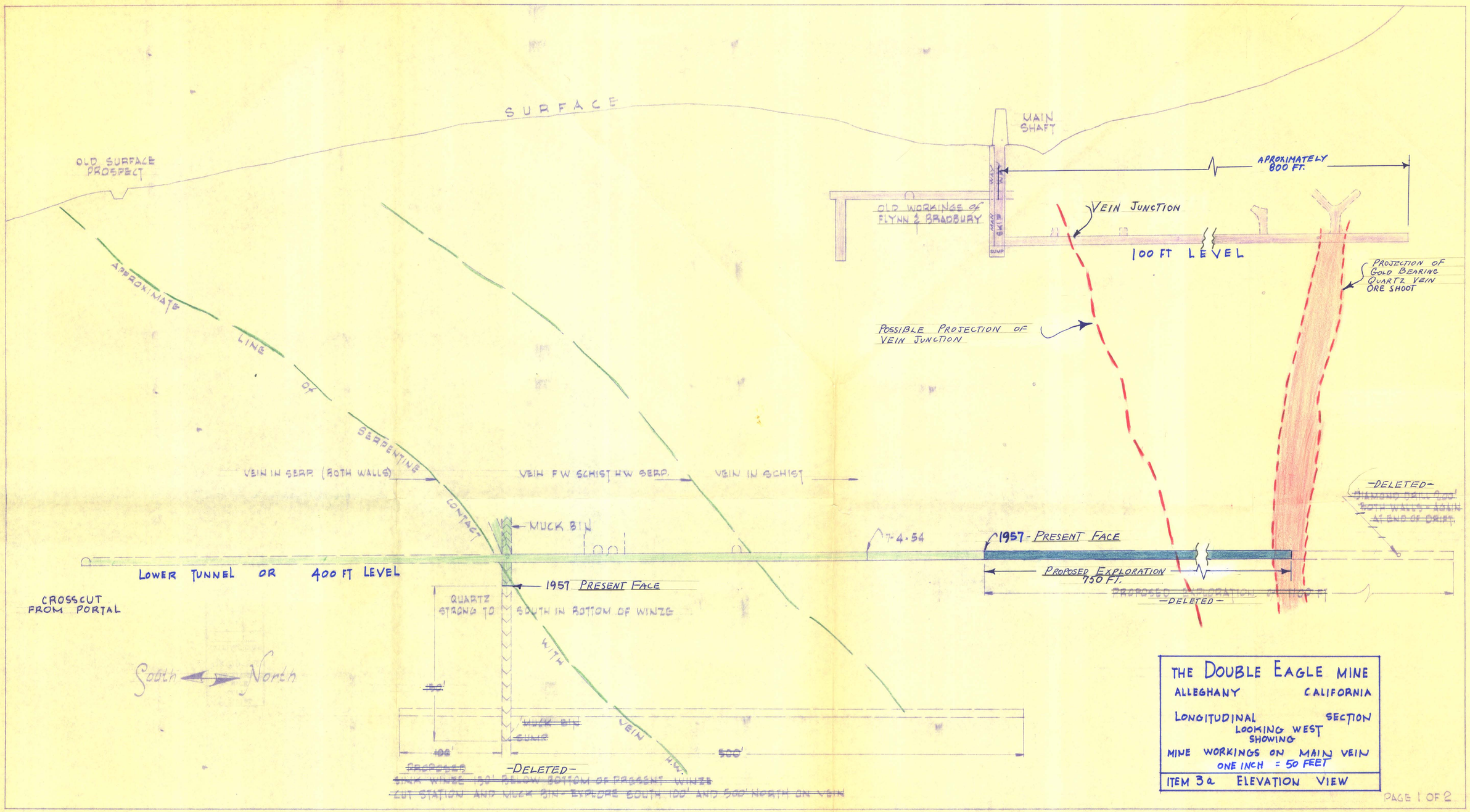
Please identify all future correspondence relating to your application by this docket number.

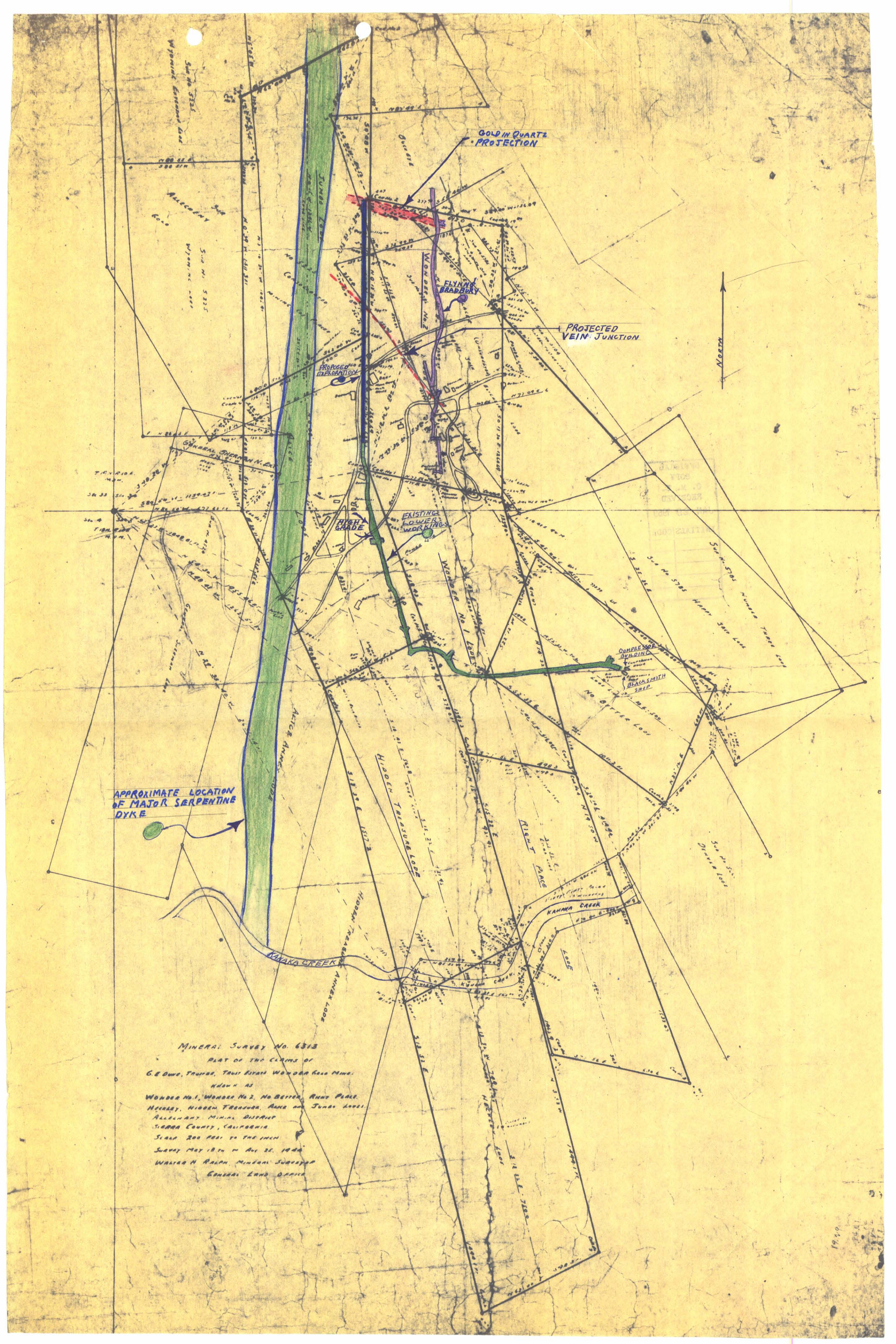
Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to R-II


~~DIAMOND DRILL NEAR FACE - 100' EACH WALL~~
-DELETE-
~~EXPLORE EACH WALL BY DIAMOND DRILL - 100' EACH WAY~~
PROJECTION OF GOLD BEARING QUARTZ VEIN ORESHOOT
60' R5
APROXIMATELY 800 FT.
30' R5
~~EXPLORE 75' FOR VEIN~~
-DELETE-
PROPOSED EXPLORATION 750FT.
100' LEVEL
70°
R5
PROJECTED VEIN JUNCTION
R5
MAIN SHAFT
FACE 1957 (PRESENT FACE)
FLYNN & BRADBURY OLD WORKINGS
SERPENTINE DIKE
FACE 7-4-54
60' WZ 4 QTZ
1'-3' BKN + STRINGY QTZ
4'-5' QTZ
STRINGY QTZ.
BLUEJAY + QTZ. COLORS
3'-4' BLUEJAY + QTZ.
~~EXPLORE 300' ON VEIN TO NORTH~~
PINCH
COURSE GOLD
2'-3' BLUEJAY + QTZ
UP TO 5' OF BLUEJAY + QTZ COURSE GOLD
KANAKA FORMATION
GABBRO
~~ORE BIN~~
25' WZ.
HIGH GRADE MUCK BIN
1957 PRESENT FACE
~~EXPLORE 100' ON VEIN TO SOUTH~~
~~EXPLORE WEST ALONG FAULT~~
-DELETE-
400 FT LEVEL
SURFACE WKGS
N
THE DOUBLE EAGLE MINE
ALLEGHANY CALIFORNIA
PLAN VIEW
SHOWING
MINE WORKINGS ON MAIN VEIN
ONE INCH = 50 FT.
GILES BROS. - OWNERS & OPERATORS
ITEM 3a PLAN VIEW
LOWER TUNNEL
PORTAL


SURFACE
OLD SURFACE PROSPECT
MAIN SHAFT
APROXIMATELY 800 FT.
OLD WORKINGS OF FLYNN & BRADBURY
VEIN JUNCTION
100 FT LEVEL
PROJECTION OF GOLD BEARING QUARTZ VEIN ORE SHOOT
POSSIBLE PROJECTION OF VEIN JUNCTION
APPROXIMATE LINE OF SERPENTINE CONTACT
VEIN IN SERP. (BOTH WALLS)
VEIN FW SCHIST HW SERP.
VEIN IN SCHIST
-DELETED-
~~DIAMOND DRILL FOR BOTH WALLS - ADJN AT END OF DRIFT~~
MUCK BIN
7-4-54
1957 - PRESENT FACE
LOWER TUNNEL OR 400 FT LEVEL
PROPOSED EXPLORATION 750 FT.
~~PROPOSED EXPLORATION 500 FT~~
-DELETED-
CROSSCUT FROM PORTAL
1957 PRESENT FACE
QUARTZ STRONG TO SOUTH IN BOTTOM OF WINZE
WITH
VEIN
H.W.
South ← → North
~~50'~~
~~MUCK BIN~~
~~SUMP~~
~~100'~~
500'
~~PROPOSED~~
-DELETED-
~~SINK WINZE 150' BELOW BOTTOM OF PRESENT WINZE CUT STATION AND MUCK BIN - EXPLORE SOUTH 100' AND 500' NORTH ON VEIN~~
THE DOUBLE EAGLE MINE
ALLEGHANY CALIFORNIA
LONGITUDINAL SECTION
LOOKING WEST
SHOWING
MINE WORKINGS ON MAIN VEIN
ONE INCH = 50 FEET
ITEM 3a ELEVATION VIEW


GOLD IN QUARTZ PROJECTION
FLYNN & BRADBURY
PROJECTED VEIN JUNCTION
NORTH
PROPOSED EXPLORATION
GENERAL SHERMAN N. EXT.
HIGH GRADE
EXISTING LOWER WORKINGS
WONDER No 1 LODE
COMPRESSOR BUILDING
BLACKSMITH SHOP
ALICE ANNEX LODE
HIDDEN TREASURE LODE
RIGHT PLACE
KANAKA CREEK
APPROXIMATE LOCATION OF MAJOR SERPENTINE DYKE
MINERAL SURVEY NO. 6313
PLAT OF THE CLAIMS OF
G. E. DUNN, TRUSTEE, TRUST ESTATE WONDER GOLD MINES
KNOWN AS
WONDER No. 1, WONDER No. 2, NO BETTER, RIGHT PLACE,
HEGELEY, HIDDEN TREASURE, ALICE AND JUNEAU LODES.
ALLEGHANY MINING DISTRICT
SIERRA COUNTY, CALIFORNIA
SCALE 200 FEET TO THE INCH
SURVEY MAY 18TH TO AUG 25, 1900
WALTER H. RALPH, MINERAL SURVEYOR
GENERAL LAND OFFICE