DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 2848

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To:	Code 700, Room 4640	Date	1/12/53
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FILE COPY
SURNAME:

F.L. Knowles
Ellis

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

Messrs. C. H. Ogan and
Walter L. Low
P. O. Box 429
Winnemucca, Nevada

AUG 28 1953

Re: Docket No. DMEA-[illegible] (Mercury)
Vermillion Group
Humboldt County, Nevada

Dear Sirs:

This will acknowledge receipt of your letter dated July 26, 1953, concerning the denial of your application for Government aid to explore your property.

In your letter we note that you have no knowledge that a competent geologist familiar with quicksilver occurrences in the Battle Creek area, examined your property. In addition to the examination of Mr. J. D. Harris, Mining Engineer, of March 24, 1953, Mr. E. H. Pampeyan and Mr. C. D. Ross, Geologists of this Agency, examined your property on May 5, 1953. This examination included detailed mapping and sampling of trenches and outcrop on the following mining claims - Vermillion 1, 2, 3, 4 and 5, and the High Rhyolite Ridge. These Geologists are familiar with known mercury mineralization as it occurs throughout the state of Nevada.

We regret that your observations lead you to believe that the policy of this Agency is to grant Government exploration aid only to projects connected with worked-out mines. It is true that a percentage of the exploration projects have been approved to explore for mineral deposits in idle and operating mines, however, a substantial percentage of the approved contracts were for the purpose of exploring prospects.

We have again carefully reviewed your application and in the light of all the available information, believe that your proposed project is such that we cannot recommend it for Government aid.

The staff of this Agency wishes to express its appreciation for your interest in the exploration program, and your willingness to participate therein.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FLKnowles/db
8-27-53
cc to: Adm. Reading File
Docket
Messrs. H.M.Meyer, Rm.3623
A.R.Kirkal, Rm. B-2[illegible], GSA
Ellis
Knowles
DMEA Field Team, Region III (2)

R.C.S.
8-28-53

8/20/53 gla

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

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

August 13, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-2848 (Mercury)
C. H. Ogee and Walter L. Low
Vermillion Group
Humboldt County, Nevada

In reply to your letter of August 6, 1953, we quote below comments submitted by Mr. E. H. Bailey, of the U. S. Geological survey:

"Mr. Earl Pampeyan and Mr. D. C. Ross examined, mapped, and sampled the above property on May 5, as was indicated by our letter of transmittal of the geologist's contribution to A. C. Johnson and by the assay data included with the material sent to Johnson. I am sorry I did not catch the blank and erroneous month in the joint report when I reviewed it. The geologists did not contact the owners as this examination was made in connection with several others, and there seemed to be no need to do so.

"Earl Pampeyan has by now seen at least fifty quicksilver deposits and I have confidence in his ability. Furthermore, the geologists cut 5 samples, extending across the entire exposure of the dike, and the engineer who looked at the property cut three samples. All of these assayed very low.

"Further rebuttal to Mr. Low's letter might be made but probably is not necessary."

We hope that this information will terminate any further discussion relative to this subject.

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

Copy to: E. H. Bailey, USGS

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

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

August 13, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-2848 (Mercury)
C. H. Ogee and Walter L. Low
Vermillion Group
Humboldt County, Nevada

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

Copy to: E. H. Bailey, USGS

FILE COPY
SURNAME:

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

AUG 6 1953

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

Re: Docket No. DMEA-2848 (Mercury)
C. H. Ogee and Walter L. Low
Vermillion Group
Humboldt County, Nevada

Dear Mr. Miller:

We are enclosing a copy of a letter, dated July 26, 1953, from the applicants, signed by Mr. Walter L. Low, one of the partners of the captioned project.

This letter states: "We have never heard of any geologist examining the property,". The Field Team report by Mr. J. D. Warne, Mining Engineer, and Mr. E. H. Pampeyan, Geologist, states that Mr. Pampeyan visited the property on April __, 1953. Could you please advise the date in April that Mr. Pampeyan visited the property and also if either of the applicants was present when the examination was made.

If you care to comment on Mr. Low's letter, please do so.

Sincerely yours,

George C. Selfridge
GSS

Chairman, Operating Committee

F. L. Knouse/gla 8/3/53
cc to: Adm. Reading File
Operating Committee
Docket
Messrs. H. M. Meyer, Rm. 3623
A. R. Kinkel, Jr., Rm. B-242A GSA
Ellis
Knouse

Enclosure

APPROVED:
J. H. Hedges
GSS
Member, Bureau of Mines

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

R.C.B.
8-6-53

7/29/53 gle

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 29 1953

Box 429
Winnemucca, Nev.
July 26, 1953

Mr. C. O. Mittendorf,
D. M. E. A.
Washington 25, D.C.

Docket No. 2848 (Hg)

Dear Mr. Mittendorf -

Your letter of July 2, in which you inform us our application was denied, received. The only person who examined the property that we know of was Mr. Warne of the B.M., Reno. He told me at that time that the job was one for a geologist not a M.E. We have never heard of any geologist examing the property, and if one did it is evident he knew little or nothing about quicksilver formations as they occur in the Bottle Creek District.

The indications on our property are better and more extensive than they were at any other mine at Bottle Creek. We have an excellent lead at the surface, after removing the overburden, and the formation is very good, indicating extensive bodies of high grade ore at shallow depth.

Of course it has been your policy, as I have observed, to grant aid to projects at exhausted mines. Evidently the fact that they at some time in the past produced ore has everything necessary upon which to base a favorable report. Our property the ore reserves are still in the ground, not gone as at the New Almaden, McAdoo, and Red Rock.

I have been mining quicksilver 20 years, and during that time have met very few geologists or engineers who

are qualified to pass judgement on quicksilver formations. This is where experience counts, you must know what signs indicate the presence of ore.

We do not like to have our application arbitrarily denied when we know the property has not been given a fair examination, if any, by a competent geologist.

So we request that our application be reinstated, and that a qualified geologist examine the property. Also that we be notified so that we may be present during the examination.

A look at the map will show you that as far as northwestern Nevada is concerned the D.M.E.A. has proved to be a fake. And this is a mining area.

There is little sense in requesting developement aid when we must first develope a property at our own expense, so some inexperienced government employe can see a body of minable ore blocked out.

Sorry to be critical, but we do like a reasonable deal.

Sincerely yours
Ogee & Low
by Walter L. Low

P.S. Maybe we should realize (but we don't) that the dagos and bohunks need American dollars more than we do. But a few do come in handy around here! WLL

FILE COPY
700
SURNAME:

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

JUL 2 1953

FLKnouse
EWEllis
FEJohnson

Messrs. C. H. [illegible]gee and
[illegible]alter L. Low
P. O. Box 429
Winnemucca, Nevada

Re: Docket No. DMEA-2[illegible]8 (Mercury)
Vermillion Group
Humboldt County, Nevada

Dear Sirs:

Reference is made to your letter of June [illegible], 1953, in reply to my telegram of June 30, 1953, concerning the reactivation of your application for Government aid in an exploration project.

Since receiving your letter of June [illegible], 1953, we have also received our Field Team's report on their recent examination of your property. We have carefully reviewed this report, together with your application and other available data relating to your property. As a result of this review we have concluded that the probability of disclosing minable ore reserves by your proposed exploration program is not sufficiently promising to justify Government participation. We, therefore, regret to advise that your application for exploration aid is denied.

Your interest in the exploration program of the Defense Minerals Exploration Administration and your willingness to participate therein are appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

FLKnouse/EWEllis/db/gla
7-2-53
cc to: Adm. Reading File
Operating Committee
Docket
Field Team, Region III (2)
Messrs. H. [illegible] Meyer, R-3623
A. R. Finkel, R-B-242A GSA
Ellis
Knouse

R.C.G.
7-2-53

FILE COPY
SURNAME:
Docket
FLKnouse
Ellis
Kinkel
Hedges
Selfridge

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

Messrs: C. L. Ogee and
Walter L. Low
P. O. Box 429
Winnemucca, Nevada

JUL 2 1953

Re: Docket No. DMEA-284.3 (Mercury)
Vermillion Group
Humboldt County, Nevada

Dear Sirs:

Reference is made to your application for Government aid on the proposed captioned project estimated to cost $24,142.70.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding material of acceptable grade and in quantities that will significantly improve the mineral supply position for the National Defense Program.

A careful study of your application and data available to this Agency and an examination of the property concerned reveal that the probability of disclosing minable ore reserves by your proposed exploration program is not believed to be sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Your interest in the exploration program of the Defense Minerals Exploration Administration and your willingness to participate therein are appreciated.

Sincerely yours,

C. C. Mittendorf

Administrator

EWEllis/FLKnouse/db
6-30-53
cc to: Adm. Reading File
Operating Committee
Docket
Messrs: H. M. Meyer, Rm. 3623
A. R. Kinkel, Rm. B-2424, GSA
Ellis
Knouse
DMEA Field Team, Region III (2)

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

June 29, 1953

SUMMARY OF PROPOSED PROJECT

Docket No. DMEA-2848
Applicant: C. H. Ogee and Walter L. Low,
Winnemucca, Nevada

Subject: Denial of application
Commodity: Mercury

Location of property: Humboldt County, Nevada Region III
Amount of application: $24,142.70

Date of Application: December 30, 1952

Outline of project: An exploration project consisting of bulldozer trenching; sinking a 100-foot shaft; and drifting 100 feet on the 50-foot level, and 200 feet on the 100-foot level was proposed by the applicants.

Field Team Report: Dated June 3, 1953

by: J. D. Warne, Mining Engineer, USBM.
E. H. Pampeyan, Geologist, USGS
transmittal letter under date of June 9, 1953, by H. C. Miller, Executive Officer, DMEA Field Team, Region III

Recommendations: Denial, as it is unlikely that an amount of quicksilver equal to the cost of the exploration project would be developed. Field Team concurs in examining engineer's and geologist's conclusions that Government exploration assistance is not warranted.

Commodity Members comments:

Bureau of Mines: Miss Helena M. Meyer, USBM, dated June 29, 1953, concurs in Field Team recommendation that application be denied.

Geological Survey: Mr. E. L. Newcomb, USGS, dated June 23, 1953, concurs in denial.

Rare & Misc. Metals Div. Engineer: Ernest Wm. Ellis

Comments: Denial letter prepared on above recommendations.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare & Misc. Metals Division

/db

6/30/53 gla

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

June 29, 1953

Memorandum

To: E. W. Ellis

From: Helena M. Meyer

Subject: DMEA 2848, Ogee & Low, Winnemucca, Nev., Exploration Loan $24,142.70 (Mercury), Field Team Report

I have read the field team report, which indicates that bulldozer trenching by the applicant to date has not been successful in developing a mercury mineralized zone and that further work of this nature would not be expected to be successful. Data available to date were insufficient to make possible a plan of underground exploration. Moreover, the proposed exploration project costs were described as excessive. The report indicated that there was only a slight chance of finding a commercial grade of ore. In view of the field team findings I concur in its recommendation that the application for a loan be denied.

Helena M. Meyer

Helena M. Meyer

Copy to: Minerals Division
Base Metals Branch
H. M. Meyer
Files
A. R. Kinkle, Jr. Rm. 4234 GSA

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

June 29, 1953

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Helena M. Meyer

HMMEYER/jb

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

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

June 29, 1953

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Helena M. Meyer

HMMEYER/jb

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

6/23/53 gla

IN REPLY REFER TO:

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

June 23, 1953

Memorandum

Re: IMEA-2848
Ogee and Low Claims
Humboldt County, Nevada
$24,142.70
Mercury

To: Mr. E. Wm. Ellis

From: E. L. Newcomb, USGS

Subject: Concurrence with field team recommendation for denial

Recent trenching by the applicant on the Vermillion claims has failed to expose any significant mercury mineralization. Assays of representative material taken by the field examiners indicate that Government assistance is not justified on this property.

I concur with the field team and recommend the application be denied.

E. L. Newcomb
E. L. Newcomb
Geologist

IN REPLY REFER TO:

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

June 23, 1953

Memorandum

Re: DMEA-2848
Ogee and Low Claims
Humboldt County, Nevada
$24,142.70
Mercury

To: Mr. E. Wm. Ellis

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Geologist

IN REPLY REFER TO:

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

June 23, 1953

Memorandum

Re: DMEA-2848
Ogee and Low Claims
Humboldt County, Nevada
$24,142.70
Mercury

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E. L. Newcomb
Geologist

MF-560

UNITED STATES
DEPARTMENT OF THE INTERI
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 6/22/53

REFERRED TO:

1. 700 Room 4640
2.
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

2nd copy.

REMARKS:

Check (X) before the items needing attention.

ROBERT E. ADAMS ilb

Initials of sender.

GPO 16—63815-1

MF-300

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 6/17/53

REFERRED TO:

1. ~~Operating Committee~~
2. Miss Lanahan - Rm. 4539
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS: Field Exam. Report
~~For Agenda 6/19/53~~

Check (X) before the items needing attention.

George C. Selfridge

Initials of sender.

GPO 16—63815-1

6/22/53 gla

JUN 15 1953

Office of
DMEA Field Team
Region III

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

June 9, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2848 (Mercury)
Ogee and Low, Vermillion Group, Humboldt County, Nevada

Reference is made to your letter dated March 13, 1953, referring the subject application to us for a field examination.

Attached are the original and three copies of a report entitled "DMEA-2848, Ogee and Low Mercury Mine, Vermillion Group claims, Humboldt County, Nevada," by J. D. Warne, Mining Engineer, U. S. Bureau of Mines, and E. H. Pampeyan, Geologist, U. S. Geological Survey, dated June 3, 1953.

The examining engineer and geologist are in agreement that the property does not have sufficient merit to warrant Government assistance in exploring the property. The conclusions that they have reached are that exploration by bulldozer trenching has not been successful in showing mineralization or formations that would warrant further work.

Mr. Bailey and I concur with the examining engineer and geologist that Government exploration assistance is not warranted.

As this memorandum was being dictated a letter dated June 4, 1953, came to this office from Messrs. Ogee and Low stating that in reply to the telegram from the Washington Office of DMEA they are informing us of their desire to have their application reactivated.

H. C. MILLER

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

Attachment

Copy to: E. H. Bailey, USGS

Reviewed by
DMEA OPERATING COMMITTEE
6-19-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-2848, Ogee and Low Mercury Mine,

Vermillion Group claims,

Humboldt County, Nevada

J. L. Warne, Mining Engineer
U. S. Bureau of Mines

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

June 3, 1953

Reviewed by
DMEA OPERATING COMMITTEE
6-19-53
(date)

EXAMINATION REPORT

Docket No.: DMEA-2848 (Mercury)

Name and address of applicant: C. H. Ogee and W. L. Low
P. O. Box 429
Winnemucca, Nevada

Name and location of property: Vermillion Group of Claims
Located in T. 40 N., R. 33 E.,
about 13 miles south of Nevada
State Highway No. 8A, in Bottle
Creek Mining District, Humboldt
County, Nev.

SUMMARY

The Vermillion group of five mining claims were examined by an engineer[1] of the Bureau of Mines on March 24, 1953, and later examined by geologists[2] of the Geological Survey on ~~April~~ May 25, 1953. These examinations were made in connection with an application for mercury exploration (DMEA-2848) by C. H. Ogee and Walter L. Low of Winnemucca, Nev.

The claims lie southwest of the Birthday mine in the Bottle Creek Mining District. The claims were located in November 1952 and no mercury had previously been discovered on the property. The unpatented claims were filed by the applicants.

An exploration project consisting of bulldozer trenching; sinking a 100-foot shaft; and drifting 100 feet on the 50-foot level, and 200 feet on the 100-foot level was proposed by the applicants. They estimate that the project would cost $24,142.70.

1/ John D. Warne.
2/ Karl H. Pampeyan

Bulldozer work already performed to explore the property has not been successful in delineating a definite ore bearing zone and insufficient information is available to plan further underground exploration.

CONCLUSIONS

Exploration by bulldozer trenching has not been successful to date and it is doubtful whether further work of this nature would reveal further information regarding a mercury mineralized zone. Overburden is deep in the area and the depth limit of bulldozer trenches has already been accomplished.

Insufficient information regarding the nature of the mercury mineralized zone is available to plan underground exploration at this time.

The cost of the proposed exploration project is excessive; and the mercury content of samples taken indicate only a slight chance for finding a commercial grade of ore.

RECOMMENDATIONS

Government participation in the proposed exploration project is not recommended.

LOCATION AND ACCESSIBILITY

The Vermillion group of five unpatented claims are situated in the eastern foothills of the Jackson Range within T. 40 N., R. 33 E., Humboldt County, Nev. They lie southwest of the two other mercury mining claims within the Birthday mine property in the Battle Creek Mining District. The average elevation of the property is about

5600 feet above sea level.

These claims are accessible by automobile from Winnemucca, Nevada via U. S. Highway No. 95 a distance of 31 miles north, 26 miles west along paved Nevada State Highway No. 8A; 7.2 miles south along an improved graveled county road, and finally 5.6 miles westward via of the Bottle Creek mercury district. The last two miles of road are unimproved and steep and would be inaccessible during part of the year.

HISTORY AND PRODUCTION

The Vermillion group of five unpatented claims were located by Walter L. Low during November 1952. No previous discovery of mercury had been made on the property.

PROPERTY AND OWNERSHIP

The property consists of five unpatented mining claims known as the Vermillion Nos. 1 to 5 inclusive. These claims are stated to be filed in Book 5, pages 7 to 8 and file Nos. 88265 to 88269 inclusive in the Humboldt County, Nevada courthouse under an undivided ownership of Walter L. Low and Charles H. Ogee.

The application lists mining equipment valued at $10,390 which is owned by Mr. Charles H. Ogee, which would be furnished on a rental basis in connection with the proposed exploration project. However, no buildings or equipment are on the property.

DEVELOPMENT

Exploration work to date consists of three bulldozer trenches (A, B, and C) and a small area (D) which has been scraped of a

portion of its overburden on Vermillion Claim No. 3 as shown in fig. No. 2 which was submitted by the applicants.

Cut "A" was excavated approximately 200 feet in length and 20 feet in maximum depth; cut "B" is about 200 feet long and 25 feet in maximum depth; and cut "C" is about 400 feet long and 30 feet in maximum depth. The scraped area "D" north of these bulldozer cuts averages only about 2 feet in depth.

Trenching done to date by bulldozing has not penetrated the overburden or weathered surface zone, and further exploration by this method is inadvisable.

SAMPLING

Three samples were taken of material, which the applicant stated would show cinnabar upon panning, from some of the deepest points within the bulldozer trenches. Analysis of these samples by the Bureau of Mines[3] and descriptions of each sample follow:

Sample No.	Lbs. Hg/Ton	Description
1	0.9	Sample of red iron stained material from 18 inches silty band at bottom of cut "C".
2	1.6	Sample of white material from 18-inch silty band at bottom of cut "C".
3	0.2*	Sample across 5-foot of bottom of cut "A".

*Less than

3/ Hydrometallurgical and Ore-Dressing Branch, Reno, Nevada.

GEOLOGY

The geology of the Bottle Creek district was mapped by Roberts in 1940[4/]. At that time the rocks of the district were divided into an older pre-Tertiary group of sedimentary and volcanic rocks and a younger group of Tertiary (?) sedimentary and volcanic rocks. Both groups are cut by north-trending diabase dikes and are overlain by rhyolite flows. The quicksilver ore deposits in the district are commonly related to faults and to the diabase dikes. The Ogee and Low property, Vermillion Group claims, includes a dike that presumably intrudes Tertiary (?) basalt, but much of the property is overlain by Quaternary alluvium and slope wash which in places is as much as 30 feet thick.

The basalt crops out south of the property and probably extends northward under the cover of slope wash. The basalt is commonly fine-grained but is reported to contain locally plagioclase phenocrysts as much as an inch long. In most exposures it is amygdaloidal. The rock is dark purple on a fresh surface and weathers to a medium brown-colored soil.

The diabase, as exposed as a dike in the surface trenches and cut made by the applicants, trends N. 7° W. Only its top edge has been uncovered, and its direction of dip cannot be ascertained. In trench "C" the dike has an apparent thickness of 75 feet but in trenches "B" and "A" it is thinner. (See fig. 2) The diabase is light gray in

4/ Roberts, R. J., Quicksilver deposits of Bottle Creek district, Humboldt County, Nevada, A preliminary report: U.S.G.S. Bull. 922-A, 1941.

fresh exposures and yellow-brown when weathered. Its texture varies from medium-grained in the middle to fine-grained and amygdaloidal at the margins. The amygdules are filled with quartz, calcite, and some zeolites.

Some light colored, massive Tertiary (?) rhyolite crops out as a resistant ridge about 100 feet west of the surface trenches. It is an erosional remnant of a volcanic flow that is reported to overlie the bedrock in the district.

Quaternary alluvium and slope wash overlie and conceal large areas of bedrock in the district. The diabase dike on this property is covered locally by as much as 30 feet of detrital material.

The only structure seen in the Vermillion Group property was the almost north-striking and vertical or steeply-dipping diabase dike.

ORE DEPOSITS

Two types of ore deposits occur in the Pettle Creek district: Cinnabar-bearing faults in rhyolite and pre-Tertiary rocks and cinnabar-bearing diabase dikes. No cinnabar-bearing faults were seen on the applicants' property. A diabase dike has been exposed by surface trenching but no quicksilver minerals were seen. An 18-inch red, iron-stained layer of clayey material caps the dike and was reported, by the applicants, to contain cinnabar. Samples taken for assay (see Sampling) showed very little mercury in the rock.

GEOLOGIST'S CONCLUSIONS

Because of the apparent absence of quicksilver minerals and the low assay values, it is impossible to suggest a definite exploration program for the Vermillion Group property. The total production from

the Bottle Creek district has been small, and it is likely that the Vermillion Group property would not produce a significant amount of quicksilver.

It is recommended that the applicants' request for a DMEA loan be denied, as it is unlikely that an amount of quicksilver equal to the cost of the exploration project would be developed.

Sampling by USGS

	Sample	Hg/ton
(1)	Chip samples taken every three feet across diabase dike in trench "B" -- from 0-15'	0.2*
(2)	Ditto -- from 15-30'	0.2*
(3)	Ditto -- from 30-45'	0.2*
(4)	Ditto -- from 45-60'	1.2
(5)	Ditto -- from 60-75'	0.5

* less than

STATEMENT OF APPLICANTS PROPOSAL

The applicant proposes to sink a vertical shaft 100 feet in depth; and to drift 100 feet south on the 50-foot level; and drift 100 feet south and 100 feet north on the 100-foot level. This shaft is to be located at the bottom of cut "C" on in the scraped area "D" as shown in Fig. 2. Costs of the proposed exploration project are as follows:

Bulldozer trenching, 120 hrs. @ $14.00/hr. . . .	$1,680.00
Shaft sinking, 100 feet @ $85.06/ft.	8,506.00
Drifting, 300 feet @ $42.27/ft.	12,681.00
Gasoline, oil, tires, welding supplies etc. . . .	411.50
Moving mine plant and camp buildings	700.00
Installing 1600 feet of water line	364.20
Total	$24,142.70

GENERAL INFORMATION

Exploration work done to date by excavating three bulldozer trenches and scraping an adjacent area is not considered to have been successful in delineating a definite ore bearing zone worthy of further exploration by this method, and sufficient information is not available to warrant underground exploration as proposed by the applicant. The exploration project which is proposed by the applicant also is considered to be excessive in cost.

The applicants are believed to be sufficiently experienced in mining to properly conduct exploration work; and they possess sufficient mining equipment to further explore the property. However, no further consideration of this application by the Government should be given unless further exploration of the property by the applicant reveals a mercury mineralized formation of merit.

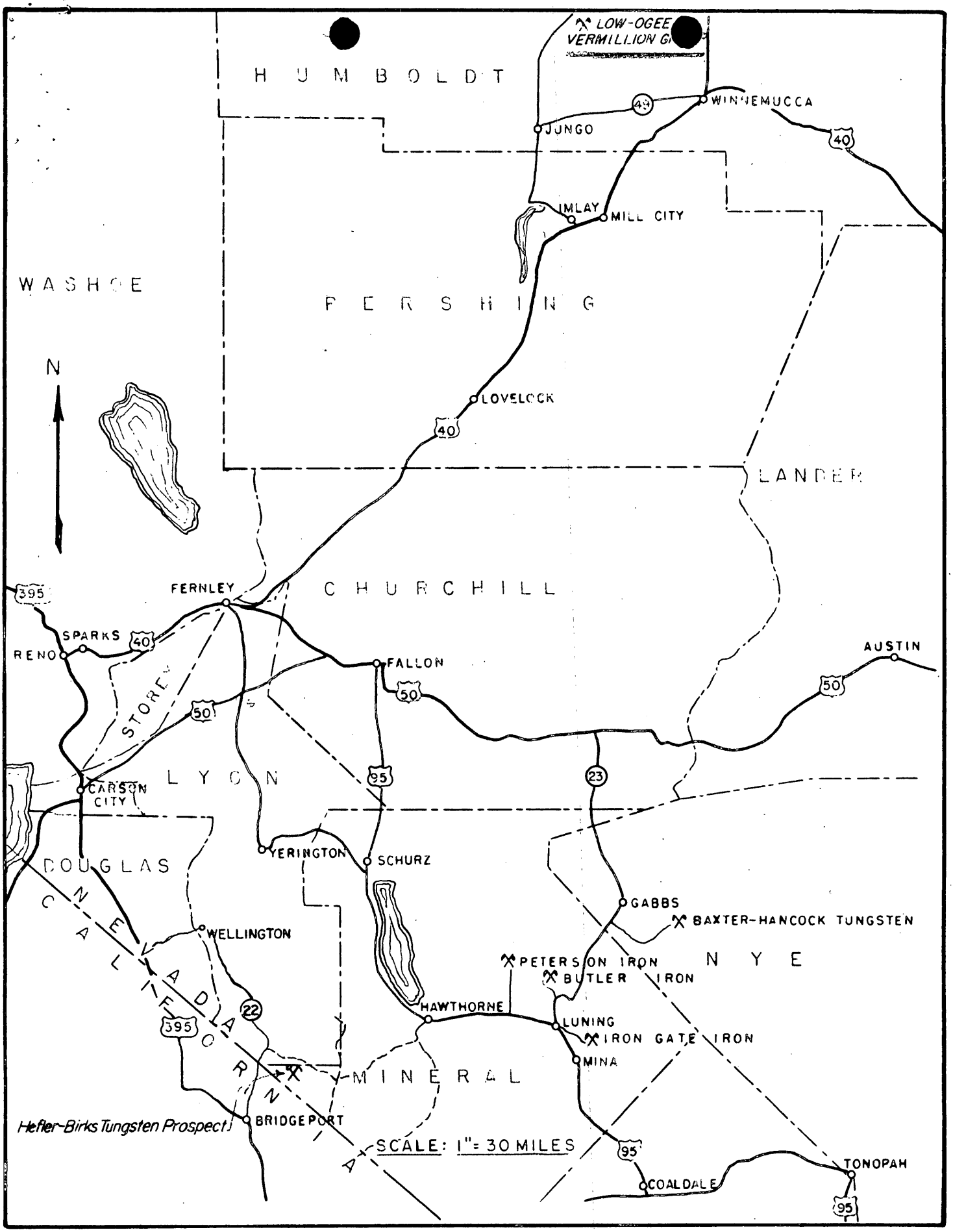


FIGURE 1. LOCATION MAP.

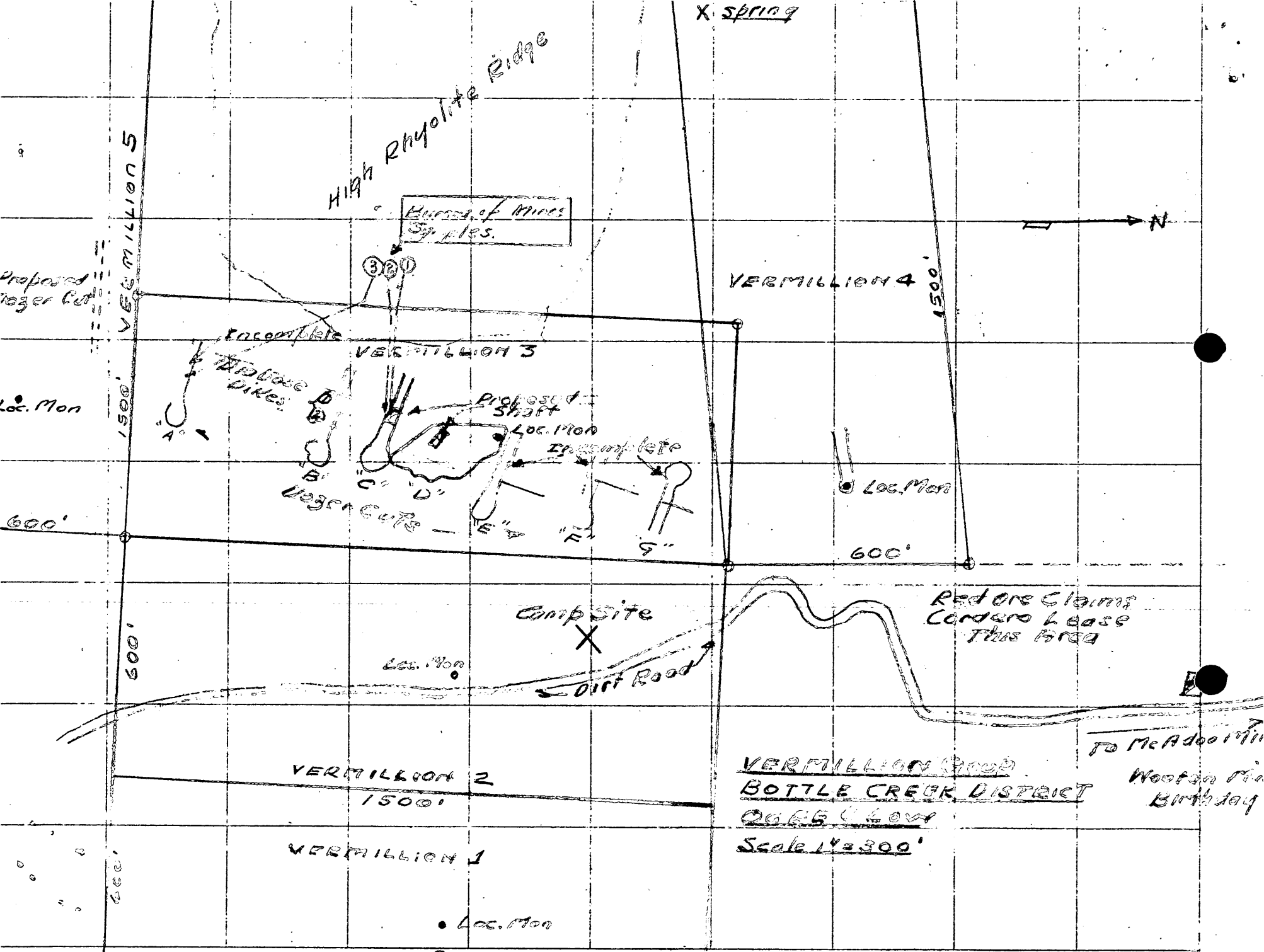
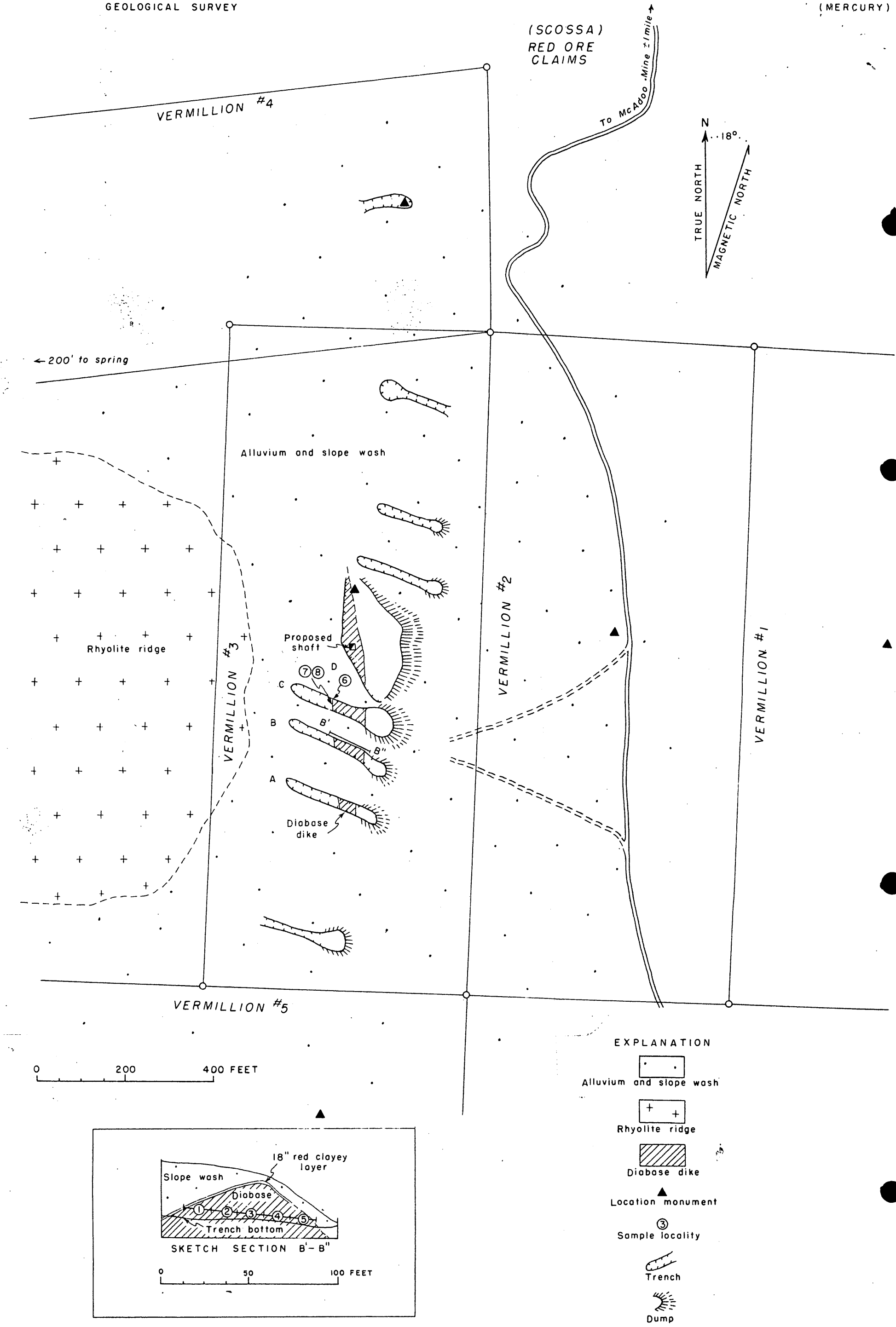


FIG No 2 Proposed Exploration Project - Diego 2848

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 2848
(MERCURY)



SKETCH MAP AND SECTION OF OGEE AND LOW QUICKSILVER MINE, VERMILLION GROUP CLAIMS
HUMBOLDT COUNTY, NEVADA

FIGURE 3

6/16/53 gla

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

Office of
DMEA Field Team
Region III

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

June 9, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2848 (Mercury)
Ogee and Low, Vermillion Group, Humboldt County, Nevada

Reference is made to your letter dated March 13, 1953, referring the subject application to us for a field examination.

Attached are the original and three copies of a report entitled "DMEA-2848, Ogee and Low Mercury Mine, Vermillion Group claims, Humboldt County, Nevada," by J. D. Warne, Mining Engineer, U. S. Bureau of Mines, and E. H. Pampeyan, Geologist, U. S. Geological Survey, dated June 3, 1953.

The examining engineer and geologist are in agreement that the property does not have sufficient merit to warrant Government assistance in exploring the property. The conclusions that they have reached are that exploration by bulldozer trenching has not been successful in showing mineralization or formations that would warrant further work.

Mr. Bailey and I concur with the examining engineer and geologist that Government exploration assistance is not warranted.

As this memorandum was being dictated a letter dated June 4, 1953, came to this office from Messrs. Ogee and Low stating that in reply to the telegram from the Washington Office of DMEA they are informing us of their desire to have their application reactivated.

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

Attachment

Copy to: E. H. Bailey, USGS

Reviewed by
DMEA OPERATING COMMITTEE
6-19-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

7/1/53

DMEA-2848, Ogee and Low Mercury Mine,

Vermillion Group claims,

Humboldt County, Nevada

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

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

June 3, 1953

Reviewed by
DMEA OPERATING COMMITTEE
6-19-53
(date)

EXAMINATION REPORT

Docket No.: DMEA-2848 (Mercury)

Name and address of applicant: C. H. Ogee and W. L. Low
P. O. Box 429
Winnemucca, Nevada

Name and location of property: Vermillion Group of Claims Located in T. 40 N., R. 33 E., about 13 miles south of Nevada State Highway No. 8A, in Bottle Creek Mining District, Humboldt County, Nev.

SUMMARY

The Vermillion group of five mining claims were examined by an engineer[1] of the Bureau of Mines on March 24, 1953, and later examined by geologists[2] of the Geological Survey on April , 1953. These examinations were made in connection with an application for mercury exploration (DMEA-2848) by C. H. Ogee and Walter L. Low of Winnemucca, Nev.

The claims lie southwest of the Birthday mine in the Bottle Creek Mining District. The claims were located in November 1952 and no mercury had previously been discovered on the property. The unpatented claims were filed by the applicants.

An exploration project consisting of bulldozer trenching; sinking a 100-foot shaft; and drifting 100 feet on the 50-foot level, and 200 feet on the 100-foot level was proposed by the applicants. They estimate that the project would cost $24,142.70.

1/ John D. Warne.
2/ Earl H. Pampeyan

Bulldozer work already performed to explore the property has not been successful in delineating a definite ore bearing zone and insufficient information is available to plan further underground exploration.

CONCLUSIONS

Exploration by bulldozer trenching has not been successful to date and it is doubtful whether further work of this nature would reveal further information regarding a mercury mineralized zone. Overburden is deep in the area and the depth limit of bulldozer trenches has already been accomplished.

Insufficient information regarding the nature of the mercury mineralized zone is available to plan underground exploration at this time.

The cost of the proposed exploration project is excessive; and the mercury content of samples taken indicate only a slight chance for finding a commercial grade of ore.

RECOMMENDATIONS

Government participation in the proposed exploration project is not recommended.

LOCATION AND ACCESSIBILITY

The Vermillion group of five unpatented claims are situated in the eastern foothills of the Jackson Range within T. 40 N., R. 33 E., Humboldt County, Nev. They lie southwest of the two other mercury mining claims within the Birthday mine property in the Bottle Creek Mining District. The average elevation of the property is about

5600 feet above sea level.

These claims are accessible by automobile from Winnemucca, Nevada via U. S. Highway No. 95 a distance of 31 miles north, 26 miles west along paved Nevada State Highway No. 8A; 7.2 miles south along an improved graveled county road, and finally 5.6 miles westward via of the Bottle Creek mercury district. The last two miles of road are unimproved and steep and would be inaccessible during part of the year.

HISTORY AND PRODUCTION

The Vermillion group of five unpatented claims were located by Walter L. Low during November 1952. No previous discovery of mercury had been made on the property.

PROPERTY AND OWNERSHIP

The property consists of five unpatented mining claims known as the Vermillion Nos. 1 to 5 inclusive. These claims are stated to be filed in Book 5, pages 7 to 8 and file Nos. 88265 to 88269 inclusive in the Humboldt County, Nevada courthouse under an undivided ownership of Walter L. Low and Charles H. Ogee.

The application lists mining equipment valued at $10,390 which is owned by Mr. Charles H. Ogee, which would be furnished on a rental basis in connection with the proposed exploration project. However, no buildings or equipment are on the property.

DEVELOPMENT

Exploration work to date consists of three bulldozer trenches (A, B, and C) and a small area (D) which has been scraped of a

portion of its overburden on Vermillion Claim No. 3 as shown in fig. No. 2 which was submitted by the applicants.

Cut "A" was excavated approximately 200 feet in length and 20 feet in maximum depth; cut "B" is about 200 feet long and 25 feet in maximum depth; and cut "C" is about 400 feet long and 30 feet in maximum depth. The scraped area "D" north of these bulldozer cuts averages only about 2 feet in depth.

Trenching done to date by bulldozing has not penetrated the overburden or weathered surface zone, and further exploration by this method is inadvisable.

SAMPLING

Three samples were taken of material, which the applicant stated would show cinnabar upon panning, from some of the deepest points within the bulldozer trenches. Analysis of these samples by the Bureau of Mines[3/] and descriptions of each sample follow:

Sample No.	Lbs. Hg/Ton	Description
1	0.9	Sample of red iron stained material from 18 inches silty band at bottom of cut "C".
2	1.6	Sample of white material from 18-inch silty band at bottom of cut "C".
3	0.2*	Sample across 5-foot of bottom of cut "A".

*Less than

3/ Hydrometallurgical and Ore-Dressing Branch, Reno, Nevada.

GEOLOGY

The geology of the Bottle Creek district was mapped by Roberts in 1940[4]. At that time the rocks of the district were divided into an older pre-Tertiary group of sedimentary and volcanic rocks and a younger group of Tertiary (?) sedimentary and volcanic rocks. Both groups are cut by north-trending diabase dikes and are overlain by rhyolite flows. The quicksilver ore deposits in the district are commonly related to faults and to the diabase dikes. The Ogee and Low property, Vermillion Group claims, includes a dike that presumably intrudes Tertiary (?) basalt, but much of the property is overlain by Quaternary alluvium and slope wash which in places is as much as 30 feet thick.

The basalt crops out south of the property and probably extends northward under the cover of slope wash. The basalt is commonly fine-grained but is reported to contain locally plagioclase phenocrysts as much as an inch long. In most exposures it is amygdaloidal. The rock is dark purple on a fresh surface and weathers to a medium brown-colored soil.

The diabase, as exposed as a dike in the surface trenches and cut made by the applicants, trends N. 7° W. Only its top edge has been uncovered, and its direction of dip cannot be ascertained. In trench "C" the dike has an apparent thickness of 75 feet but in trenches "B" and "A" it is thinner. (See fig. 2) The diabase is light gray in

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4/ Roberts, R. J., Quicksilver deposits of Bottle Creek district, Humboldt County, Nevada, A preliminary report: U.S.G.S. Bull. 922-A, 1941.

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Some light colored, massive Tertiary (?) rhyolite crops out as a resistant ridge about 100 feet west of the surface trenches. It is an erosional remnant of a volcanic flow that is reported to overlie the bedrock in the district.

Quaternary alluvium and slope wash overlie and conceal large areas of bedrock in the district. The diabase dike on this property is covered locally by as much as 30 feet of detrital material.

The only structure seen in the Vermillion Group property was the almost north-striking and vertical or steeply-dipping diabase dike.

ORE DEPOSITS

Two types of ore deposits occur in the Bottle Creek district: Cinnabar-bearing faults in rhyolite and pre-Tertiary rocks and cinnabar-bearing diabase dikes. No cinnabar-bearing faults were seen on the applicants' property. A diabase dike has been exposed by surface trenching but no quicksilver minerals were seen. An 18-inch red, iron-stained layer of clayey material caps the dike and was reported, by the applicants, to contain cinnabar. Samples taken for assay (see Sampling) showed very little mercury in the rock.

GEOLOGIST'S CONCLUSIONS

Because of the apparent absence of quicksilver minerals and the low assay values, it is impossible to suggest a definite exploration program for the Vermillion Group property. The total production from

the Bottle Creek district has been small, and it is likely that the Vermillion Group property would not produce a significant amount of quicksilver.

It is recommended that the applicants' request for a DMEA loan be denied, as it is unlikely that an amount of quicksilver equal to the cost of the exploration project would be developed.

Sampling by USGS

	Sample	#Hg/ton
(1)	Chip samples taken every three feet across diabase dike in trench "B" -- from 0-15'	0.2*
(2)	Ditto -- from 15-30'	0.2*
(3)	Ditto -- from 30-45'	0.2*
(4)	Ditto -- from 45-60'	1.2
(5)	Ditto -- from 60-75'	0.5

* less than

STATEMENT OF APPLICANTS PROPOSAL

The applicant proposes to sink a vertical shaft 100 feet in depth; and to drift 100 feet south on the 50-foot level; and drift 100 feet south and 100 feet north on the 100-foot level. This shaft is to be located at the bottom of cut "C" on in the scraped area "D" as shown in Fig. 2. Costs of the proposed exploration project are as follows:

Bulldozer trenching, 120 hrs. @ $14.00/hr. . . .	$1,680.00
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Drifting, 300 feet @ $42.27/ft.	12,681.00
Gasoline, oil, tires, welding supplies etc. . . .	411.50
Moving mine plant and camp buildings	700.00
Installing 1600 feet of water line	364.20
Total	$24,142.70

GENERAL INFORMATION

Exploration work done to date by excavating three bulldozer trenches and scraping an adjacent area is not considered to have been successful in delineating a definite ore bearing zone worthy of further exploration by this method, and sufficient information is not available to warrant underground exploration as proposed by the applicant. The exploration project which is proposed by the applicant also is considered to be excessive in cost.

The applicants are believed to be sufficiently experienced in mining to properly conduct exploration work; and they possess sufficient mining equipment to further explore the property. However, no further consideration of this application by the Government should be given unless further exploration of the property by the applicant reveals a mercury mineralized formation of merit.

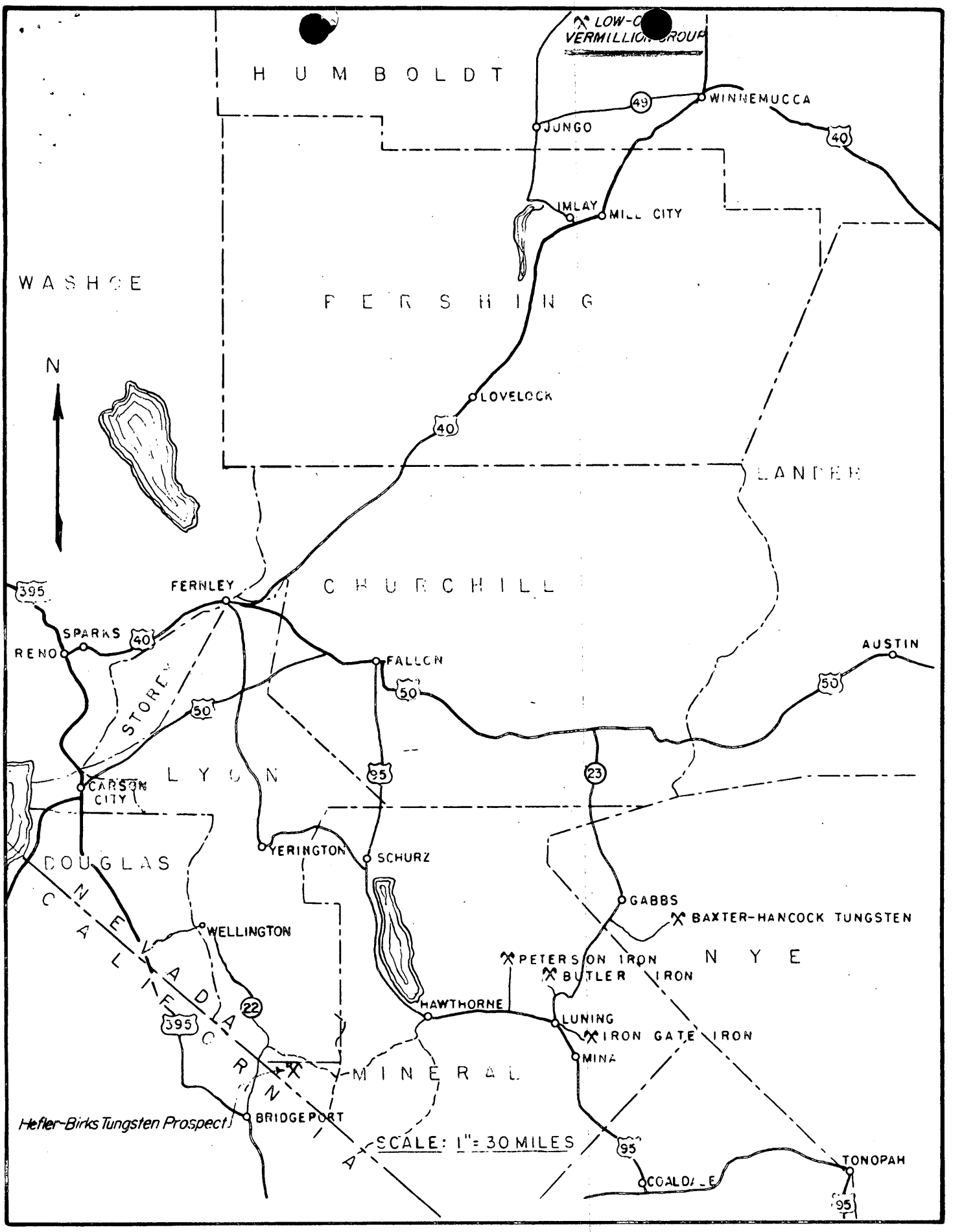


FIGURE 1. LOCATION MAP.

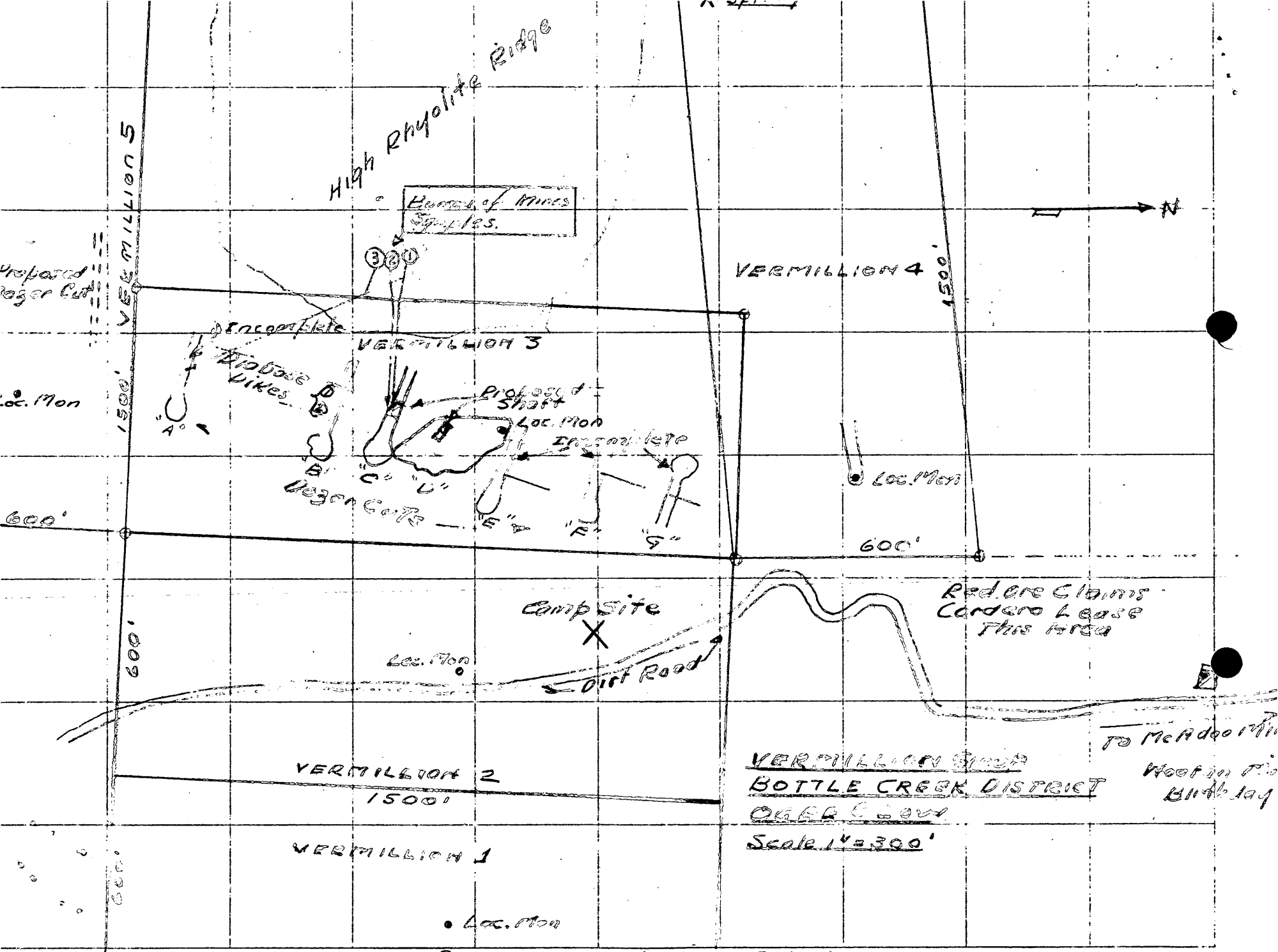
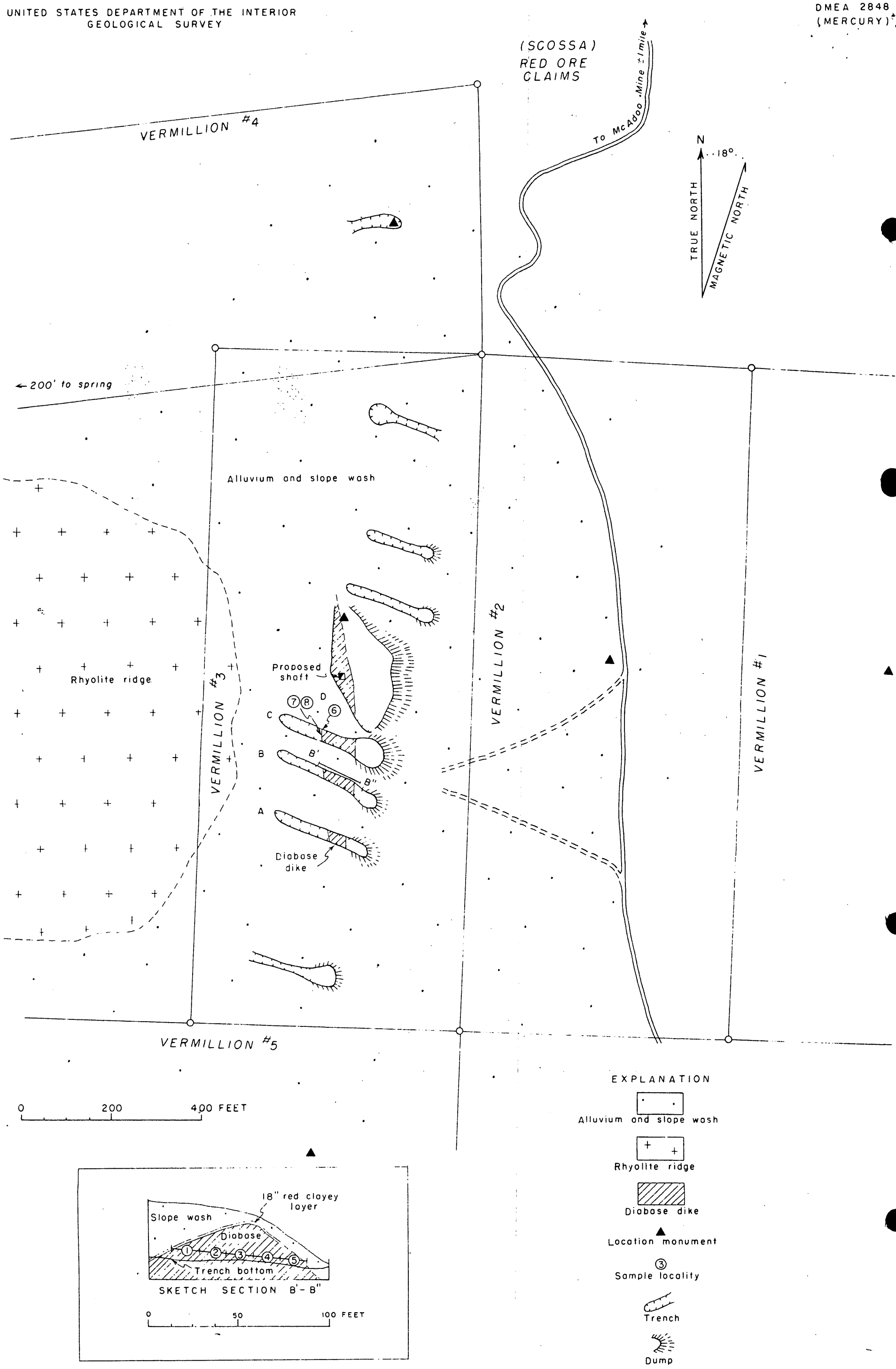


FIG No 2 Proposed Exploration Project - Dwg PH 2848



SKETCH MAP AND SECTION OF OGEE AND LOW QUICKSILVER MINE, VERMILLION GROUP CLAIMS
HUMBOLDT COUNTY, NEVADA

FIGURE 3

EWELLIS/db

FILE COPY
SURNAME:
Docket

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

DMEA
14X3923.970 Working Fund, DMEA, Interior
Ellis

JUN 3 1953

C. H. OGEE
WALTER L. LOW
WINNEMUCCA, NEVADA

Day Letter

REOURLET MAY 19 DENYING YOUR EXPLORATION APPLICATION, DOCKET NUMBER DMEA-2848, THIS IS TO ADVISE YOU THAT RESTRICTED PROGRAM DIRECTIVE DATED APRIL 15 MODIFIED ON JUNE 1 GIVING DMEA AUTHORITY TO CONTINUE PROCESSING YOUR APPLICATION WHICH WAS PENDING PRIOR TO MAY 15. KINDLY ADVISE THIS OFFICE AND EXECUTIVE OFFICER AT SAN FRANCISCO, CALIFORNIA, WHETHER OR NOT YOU DESIRE SUBJECT APPLICATION TO BE REACTIVATED.

C. O. Mittendorf (fw)

C. O. MITTENDORF, ADMINISTRATOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

f.N.
6-3-53

EWEllis/db
6-3-53
cc to: Adm. Reading File
Docket
Messrs: H.M.Meyer, Rm. 3623
A.R.Kinkel, Jr., Rm. B-242A, GSA
Ellis
DMEA Field Team, Region III (2)

6/9/53-db.

C. H. OGEE
CONTRACTING AND MINING
~~PHONE: GETCHELL MINE, INC.~~
~~RED ROUGE~~, NEVADA

Winnemucca June 4, 1953.

United States Dept. of the Interior
Defense Minerals exploration administration.
Washington D. C.

Number DMEA
2848

Dear Sirs:-
In answer to your telegram June 3, 1953 — We want to go ahead with the property, and obtain our loan - Desiring subject application to be reactivated.
Will advice San Francisco office by letter today.

Very Truly.

C. H. Ogee and Walter R. Low.
Winnemucca
Nevada.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 8 1953

MAY 19 1953

AEC 8611

Messrs. [illegible] and
[illegible]
Tonopah, Nevada

Re: Contract No. [illegible] (Carson)
Fertilizer Prog
Tonopah, Nevada

Gentlemen:

We are to inform you that, effective April 1, 1953, the amount of funds allocated for the purpose of exploration assistance under the [illegible] contract was restricted to certain specified metals and minerals which in short supply. Tungsten was not specified, and consequently is automatically removed from the list of metals or minerals eligible for exploration assistance.

In reply to a wire you sent, which gave good explanation relative to Germany and the [illegible] of the re-strictive order, we are without authority or [illegible] from a contract for exploration, and your application is accepted by mail. We are [illegible] to make a decision regarding the merits of your proposed project.

The staff of the [illegible] wishes to express its appreciation for your interest in the exploration program and for your cooperation during the period your application was under consideration.

Sincerely yours,

C. O. Mittendorf

Administrator

PSchmidt/ la
5-18-53
cc to: [illegible] file
Docket
Messrs. [illegible]-3623
[illegible]inkel, Jr.-[illegible]-2[illegible]
[illegible]
[illegible]
[illegible] Field Team, [illegible] III (2)

700
FILE COPY
SURNAME:

Schmidt
Ellis

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

MAY 19 1953

AIR MAIL

Messrs. C. . Ogee and
Walter . . Low
Winnemucca, Nevada

Re: Docket No. [illegible] A-2[illegible] (Mercury)
Vermillion Group
Humboldt County, Nevada

Gentlemen:

This is to inform you that, effective April 15, 1953, the commitment of funds allocated to the DMA for exploration assistance under the Defense Production Act was restricted to certain specified metals and minerals still in short supply. Mercury was not specified, and consequently is automatically removed from the list of metals or minerals eligible for exploration assistance.

I regret to advise you that, since your application relates to mercury and was pending on the date of the restrictive order, we are without authority or funds to enter into a contract for exploration, and your application is accordingly denied. This action is taken without prejudice to the merits of your proposed project.

The staff of the DMA wishes to express its appreciation for your interest in the exploration program and for your cooperation during the period your application has been under consideration.

Sincerely yours,

G. O. Mittendorf (for)
Administrator

J.N.
5-19-53

FSSchmidt/ la
5-18-53
cc to: Adm. Reading File
Docket
Messrs. DMMeyer-3623
ARKinkel, Jr.-B-2|2A DSA
Ellis
Schmidt
DMA Field Team, Region III (2)

FILE COPY
70G SURNAME:

Schmidt
Ellis
Hodges
Selfridge
Rubald

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

MAR 13 1953

Ogee and Low
Winnemucca, Nevada

Re: Docket No. DMEA-2848 (Mercury)
Vermillion Group
Humboldt County, Nevada

Dear Sirs:

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

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

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

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

P.H.
3/13/53

FSSchmidt/jem
3/11/53
cc to: Adm. Reading File
Docket
Messrs: Ellis
Schmidt
Field Team, Region III (2)

FILE COPY
700 SURNAME:

Schmidt
Ellis
Selfridge

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

MAR 13 1953

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

Re: Docket No. DMEA-2848 (Mercury)
Ogee and Low
Vermillion Group
Humboldt County, Nevada

Dear Mr. Miller:

The subject application for $2h,1h2.70 is referred to you for a Field Team examination.

Originally the applicant failed to describe the mineral showings sufficiently to justify referral to the field. Accordingly, we wrote for additional information on February 25. A copy of this letter should be in your files. The enclosed copy of a letter from the Applicant in answer to our inquiry now provides a little more explicit supplemental information.

Also enclosed are memoranda from Miss Helena M. Meyer of the Bureau of Mines dated February 20, and Mr. Arwin J. Lyons of the Geological Survey dated January 15, 1953.

Sincerely yours,

FS 3/13/53

George C. Selfridge

(JHB)

Chairman, Operating Committee
FSSchmidt/jem 3/11/53
cc to: Adm. Reading File
Docket
Messrs: HMMeyer-3623
ARKinkel-4234 GSA
Ellis Schmidt Opr. Com.
Field Team, Region III

Enclosures
APPROVED:

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

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

3-6-53 Form.

Winnemucca, Nev.
Mar. 4, 1953

Docket No. DMEA 2848

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division,
D. M. E. A. - Dept of the Interior,
Washington 25. D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 6 1953

Dear Mr. Ellis -

Your letter of Feb. 25 received.

We have made several deep cuts with a bulldozer exposing mercury ore in place in the form of an impregnated mud flow which, in the Battle Creek District, is the usual lead to high grade ore bodies.

Our tests of this flow has been by panning, and show about twenty pounds of mercury per ton. It averages one foot in thickness and we have exposed it for over five hundred feet in length along the diabase dike, with bulldozer cuts.

At this stage of development the showings are as good or better, and more extensive than they were at any other mine in this district. We have twenty-five to thirty feet of tough overburden where the others had very little.

Trusting this is the information you want and that we will see your field team soon, we remain,

Sincerely,
Ogee & Low, by W.L. Low

FILE COPY
700 SURNAME:

Schmidt
Ellis

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

FEB 2 5 1953

[illegible]
in [illegible], Nevada

Re: Docket No. [illegible]-2648 (Mercury)
Vermillion Group
Humboldt County, Nevada

Dear Sirs:

J.C. 2/25/53

Your application for aid in exploring your Vermillion Claims as per the captioned docket has been reviewed. It is noted that this prospect has been discovered recently and that it may have promise. However, before we are justified in having a field team make an examination, it will be necessary for us to have a clearer description of the mineral occurrence on which the application is based. It would be of interest to know what is meant by "However surface [illegible] indicate mineralization along the entire length of Vermillion [illegible]. 3%." This is the only reference to mineralization in the application.

It is therefore suggested that you provide us with detailed information as to what constitutes this mineralization in dimensions and in values. It would be important to know whether any of this mineralization referred to is in place.

Upon receipt of this information we will be pleased to further process your application.

Sincerely yours,

Vernon [illegible] Ellis, Chief
Rare and Misc. Metals Division

FESchmidt/jem
2/2/5/53
cc to: Adm. Reading File
Docket
Messrs. HNMeyer-3623
AHKinkel-4234 GSA
Ellis Schmidt
Field Team, Region III (2)

2/20/53 gla

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

February 20, 1953

Memorandum

To: E. Wm. Ellis

From: Helena M. Meyer

Subject: DMEA 2848, Ogee & Low, Winnemucca, Nev., Exploration Loan $24,142.70 (Mercury)

I have read the subject report and recommend referral of the application to the field for examination.

The claims, said to be a new find, are in an area where there are several properties that have been productive in times of favorable prices.

Mr. Low is identified in Bureau of Mines records with several properties in Nevada that have yielded mercury in the past.

It is not possible to judge the merits of the property on the basis of the application.

Helena M. Meyer

Helena M. Meyer

Copy to: Minerals Division
Base Metals Branch
H. M. Meyer
Files
Mr. A. R. Kinkle Room 4234 GSA

1/16/53 gla

IN REPLY REFER TO:

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

January 15, 1953

Memorandum

To: Mr. E. Wm. Ellis

From: Erwin J. Lyons

Subject: Recommended for field referral

Re: Docket DMEA-2848
Ogee and Low
Vermillion claims,
Humboldt County, Nevada
Total cost: $24,142.70
Mercury

Applicants have submitted a proposal to explore five unpatented claims in the Bottle Creek district, Humboldt County, Nevada. The proposal consists of sinking a 100-foot shaft and drifting and crosscutting a total of 300 feet north and south of the shaft.

According to the map and data submitted by the applicant the deposit is associated with three diabase dikes. The deposit lies about 1300 feet south and a little west of the Birthday (Wootan) mine. According to the geologic map in U. S. Geological Survey Bulletin 922-A by Ralph Roberts, the claims lie in an area of alluvium and slope wash. No dikes are shown on the map in this area probably because of the alluvium cover.

It is recommended that the application be referred to the field for geologic ~~appraisal~~ appraisal and study of the proposed method of exploration.

Erwin J. Lyons

Erwin J. Lyons
Geologist

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 12 1953

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

Not to be filled in by applicant

Docket No. dmea 2848
Metal or Mineral
Date Received 1-12-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: OGEE & LOW, MINNEMUCCA, NEVADA.
C. H. Ogee, Minnemucca, Nevada. Walter L. Low, Minnemucca, Nevada.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 5 Unpatented claims in the Bottle Creek District, Vermillion # 1-2-3-4-5.

(*b*) State any mine name by which the property is known. Ogee & Low Mercury Mines.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner

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

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Book 5, Page 6, Vermillion # 1. File # 88265. Vermillion # 2, Book 5, Page 7, File # 88266. # 3, Book 5, Page 7, File # 88267. # 4, Book 5, Page 8, File # 88268

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

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

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

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

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

16—66551-1

(f) Continued. Vermillion # 5, Book 5, Page 8, File # 88269

5. *The exploration project.*—(a) State the mineral or minerals for which you [illegible] to explore Mercury

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

(*c*) The work will start within 10 days and be completed within 12 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated December 30, 195[illegible]

(Applicant)

By C. H. Ogne

Walter L. Low

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

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

1.
2.
3.
4. (a) As shown by sketch, bulldozer cuts have been made across two parallel diabase dikes which are about fifty feet apart. Cut D. uncovered the dikes, and a sedimentary flow which carries some cinnabar. This cut in the form of a bench is about twenty feet deep. Cut C, about twenty-five feet in depth, with bottom about ten feet higher in elevation than Cut D, exposed the dike (2), and a mud flow carrying cinnabar that dips westerly into the hill. A small prospect shaft is now being sunk along this flow in the direction of Dike(I). Cut B, shows this same mud flow at about ten feet higher elevation. Hard, cemented overburden was encountered in the other cuts shown, too hard to be cut with a dozer. However surface parnings indicate mineralization along the entire length of Vermillion 3.

4. (b) This property is a new find. All work has been done recently, and there has been no production at this date.

4. (c) This property lies on the east slope of the Jackson Range in the Bottle Creek Quicksilver District immediatly south of, and adjoining the Red Ore group of claims owned by James and Arnold Scossa, and under lease to Cordero Mining Co. The Scossa property includes the Wootan (Birthday) mine, a former producer. The Country rock is Rhyolite cut by the diabase dikes with slight southwesterly strike across the length of Vermillion 3. The dip of the dikes is westerly but the degree of dip has not been determined at this time. The interval between the dikes is a sedimentary flow of clay. The mineralization in the mud flows indicates bodies of high grade ore lying along the diabase dikes.

4. (d) The Bottle Creek District is reached from Winnemucca by Highways 95 and 8 A. which provide about fifty six miles of oiled highway. Then ten miles of gravelled road to the center of the district. The road from there to the Vermillion, about one mile, is not gravelled, is only a trail at present, and unpassable in wet weather. Winnemucca is the nearest shipping and supply point.

4. (e) Manpower is available in Winnemucca, so are most materials and supplies. We own all equipment required for this project. Sufficient water of excellent quality is available from a spring on the upper end of Vermillion 4. Gravity flow can be obtained by laying pipe line from this spring to the camp site. No electric power supply in this area.

5. (a) Mercury.

(b) The proposed work, a vertical shaft with hoist compartment 5' X 5' inside measurement, and manway 2½' X 5' inside measurement. Frame to be timber 6" X 6", lagging 2" X 12". Proposed depth of shaft 100' (ft). Drifts and cross cuts totalling 300' in length. It is proposed to drift 100' to the south at the 50 foot level, 100' south and 100' north on the 100 foot level. This work will be along or through the diabase dikes.

(c)

(d) The applicant, Walter L. Low, has mined and prospected for quicksilver in Nevada, for the greater part of the last twenty years. Operations were carried on in Nye County-Manhattan District, Esmeralde County-B & B. Quicksilver Mine, Mineral County-Dunlap Canyon Districk and Mt. Montgomery. Pershing County- Mt Tobin Mine and Jack Pot Mine. Humboldt County-Cahill Mine. White Peaks and Red Ore Mines in Bottle Creek District. These operations were all conducted by Low as owner or lessee. He is well qualified to supervise the operations.

6. (d) Continued.

The applicant Charles H. Ogee, has had open pit and underground mining experience for over 25 years.

6. (a) Bulldozer trenching, levelling, road improvement and maintenance.
Rental of bulldozer with operator and supplies, 120hrs @ $14.00 per hr. $ 1,680.00

(b) Shaft 5' X 8' inside with 5' X 5' hoist compartment and 5' X 2½' manway. Depth 100' vertical. Sink 2' per day equals 50 days. 5 day week equals 10 weeks equals 2½ months. Wages- I. Miners $ 2.00 per hr; 2. Muckers $ 1.75 per hr; hoist engineer $ 2.00 per hr. Wages $30.00 per ft.

Insurance, Social Security & Unemployment 15.2%	4.56	Per ft.	
Powder, Caps and Fuse	6.00	"	
Timber	13.28	"	
Rods, Nuts, washers, lag screws	.84	"	
Hoist and Compressor supplies	6.00	"	
Steel and bits	3.00	"	
Repairs	1.50	"	
Engineering, accounting, etc	2.50	"	
Supervision $2.50 per hr.	10.00	"	
Rental-Equipment	4.33	"	
Head Frame $ 1.05 per ft.	[illegible]		
	1.05		
Sub total	83.06		$ 8,306.00

Drifting and crosscutting-total 300', 5 day week, advance 3½' per day equals 86 days equals 17 and one fifth weeks equals 4 and ½ months. wages Miners $2.00 per hr. Muckers $1.75 per hr. Hoist engineer $2.00 per hr.

Wages	13.10	per ft.	
Insurance, Social Security, and Unemployment @ 15.2 %	1.99	"	
Powder, Caps and Fuse.	3.00	"	
Timber	4.97	"	
Hoist and Compressor supplies	4.00	"	
Steel and Bits	2.00	"	
Repairs	1.50	"	
Engineering, Accounting, etc.	2.50	"	
Supervision $2.50 per hr.	5.71	"	
Rental -Equipment	2.45	"	
Head Frame $ 1.05 per ft.	1.05	"	
Sub total	42.27		$ 12,681.00

(c)

Gasoline for trucks 6 months 600 gal.	174.00	
Oil and Grease " "	27.50	
Tires	150.00	
Welding gas and supplies	60.00	
Sub total	411.50	$ 411.50

(f)

Moving engine room and blacksmith shop 30 Mi.	350.00	
Moving residence building 30 miles	250.00	
Moving two portable buildings 110 miles	100.00	
Sub total	700.00	$ 700.00

Sub totals brought forward		$ 23,778.50

6. (f) 1600 feet water line consisting of:

60 ft. 1½" Galvanized pipe	$ 30.00	
60 " 1" " "	18.60	
1480 ft. 3/4" " "	315.60	
Sub total	364.20	364.20
Total		24,142.70

(h) Pumping water from shaft bottom if encountered in workings. Cost would depend upon volume of water which would be pumped with air driven pump, which we would furnish. Expense would be for operation of compressor.

(d) Itemized list of operating equipment owned by C. H. Ogee which will be furnished on a rental basis:

Compressor	$ 1,800.00
Drills- 2 Jackhammers	500.00
2 Shells	270.00
2 Columns, Arms, etc.	200.00
Drills & Bits	500.00
Hoses- Air and Water	500.00
2 Pressure Tanks	50.00
Mine rails, fish plates, bolts spikes & ties	570.00
Air Lines 600 feet	300.00
Mine Cars (3)	450.00
Trucks- 4 wheel drive	1,100.00
Pickup	1,100.00
Tools, blacksmith equipment & welding outfit	700.00
Tugger	350.00
Hoist and Bucket	1,500.00
Slusher	500.00
	10,390.00 ÷60 = 173/mo

January 12, 1953

Mr. C. H. Ogee
Winnemucca, Nevada

Subject: DMEA-2848
Re: Exploration Assistance
Ogee & Low Mercury Mines

My dear Mr. Ogee:

The receipt of your application dated December 30, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2848 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2848 in any future correspondence relating to your application.

Sincerely yours,

R. E. ADAMS
Robert E. Adams
Chief, Operation Control
and Statistics Division

25451

January 12, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation Control and Statistics Division

Subject: Assignment of Docket Number

Listed below you will find the assigned docket number to an application recently submitted from Region III.

DMEA-2848 C. H. Ogee and Walter L. Low

R. E. ADAMS

Robert E. Adams
Chief, Operation Control
and Statistics Division

dmea 2848

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

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
JAN 12 1953

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

January 5, 1953

Memorandum

To: Defense Minerals Exploration Administration, Interior Building, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for Exploration Loan - Mercury
C. H. Ogee and Walter L. Low, Winnemucca, Nevada

Attached herewith are three sets of MF-103 forms together with one map of the applicant's property. Four copies of this application were received in this office on January 2, 1953.

One set of the application forms is being retained in this office. Also, for our use, we made a tracing of the applicant's map.

When this application has been documented, kindly let us have the docket number.

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

Attachment

dmea 3848

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

Office of
Executive Officer
DMEA Field Team
Region III

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 12 1953

January 5, 1953

Memorandum

To: Defense Minerals Exploration Administration, Interior Building, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

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

Attachment

Copy to: E. H. Bailey, USGS

HCMiller:mpp
Files
Chron.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 12 1953

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

Not to be filled in by applicant

Docket No. dmea 2848
Metal or Mineral
Date Received 1-12-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: OGEE & LOW. WINNEMUCCA, NEVADA.
C. H. Ogee, Winnemucca, Nevada. Walter L. Low, Winnemucca, Nevada.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 5 Unpatented claims in the Bottle Creek Districk, Vermillion # 1-2-3-4-5.

(*b*) State any mine name by which the property is known. Ogee & Low Mercury Mines.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner

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

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

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

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

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

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

16—66551-1

(f) Continued. Vermillion # 5, Book 5, Page 8, File # 88269

5. *The exploration project.*—(*a*) State the mineral or minerals for which you will to explore Mercury

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

(*c*) The work will start within 10 days and be completed within 12 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated December 30, 195[illegible]

(Applicant)

By C H Ogle

Walter L. Lowe

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

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

1.
2.
3.
4. (a) As shown by sketch, bulldozer cuts have been made across two parallel diabase dikes which are about fifty feet apart. Cut D. uncovered the dikes, and a sedimentary flow which carries some cinnabar. This cut in the form of a bench is about twenty feet deep. Cut C, about twenty-five feet in depth, with bottom about ten feet higher in elevation than Cut D, exposed the dike (2), and a mud flow carrying cinnabar that dips westerly into the hill. A small prospect shaft is now being sunk along this flow in the direction of Dike(I). Cut B, shows this same mud flow at about ten feet higher elevation. Hard, cemented overburden was encountered in the other cuts shown, too hard to be cut with a dozer. However surface pannings indicate mineralization along the entire length of Vermillion 3.

4. (b) This property is a new find. All work has been done recently, and there has been no production at this date.

4. (c) This property lies on the east slope of the Jackson Range in the Bottle Creek Quicksilver District immediatly south of, and adjoining the Red Ore group of claims owned by James and Arnold Scossa, and under lease to Cordero Mining Co. The Scossa property includes the Wootan (Birthday) mine, a former producer. The Country rock is Rhyolite cut by the diabase dikes with slight southwesterly strike across the length of Vermillion 3. The dip of the dikes is westerly but the degree of dip has not been determined at this time. The interval between the dikes is a sedimentary flow of clay. The mineralization in the mud flows indicates bodies of high grade ore lying along there diabase dikes.

4. (d) The Bottle Creek District is reached from Winnemucca by Highways 95 and 8 A. which provide about fifty six miles of oiled highway. Then ten miles of gravelled road to the center of the district. The road from there to the Vermillion, about one mile, is not gravelled, is only a trail at present, and unpassable in wet weather. Winnemucca is the nearest shipping and supply point.

4. (e) Manpower is available in Winnemucca, so are most materials and supplies. We own all equipment required for this project. Sufficient water of excellent quality is available from a spring on the upper end of Vermillion 4. Gravity flow can be obtained by laying pipe line from this spring to the camp site. No electric power supply in this area.

5. (a) Mercury.

(b) The proposed work, a vertical shaft with hoist compartment 5' X 5' inside measurement, and manway 2½' X 5' inside measurement. Frame to be timber 6" X 6", lagging 2" X 12". Proposed depth of shaft 100' (ft). Drifts and cross cuts totalling 300' in length. It is proposed to drift 100' to the south at the 50 foot level, 100' south and 100' north on the 100 foot level. This work will be along or through the diabase dikes.

(c)

(d) The applicant, Walter L. Low, has mined and prospected for quicksilver in Nevada, for the greater part of the last twenty years. Operations were carried on in Nye County-Manhattan District, Esmeralde County-B & B. Quicksilver Mine, Mineral County-Dunlap Canyon Districk and Mt. Montgomery. Pershing County- Mt Tobin Mine and Jack Pot Mine. Humboldt County-Cahill Mine. White Peaks and Red Ore Mines in Bottle Creek District. These operations were all conducted by Low as owner or lessee. He is well qualified to supervise the operations.

6. (d) Continued.

The applicant Charles H. Ogee, has had open pit and underground mining experience for over 25 years.

6. (a) Bulldozer trenching, levelling, road improvement and maintenance.
Rental of bulldozer with operator and supplies, 120hrs @ $14.00 per hr. $ 1,680.00

(b) Shaft 5' X 8' inside with 5' X 5' hoist compartment and 5' X 2½' manway. Depth 100' vertical. Sink 2' per day equals 50 days. 5 day week equals 10 weeks equals 2½ months. Wages- I. Miners $ 2.00 per hr; 2. Muckers $ 1.75 per hr; hoist engineer $ 2.00 per hr. Wages $30.00 per ft.

Insurance, Social Security & Unemployment 15.2%	4.56	Per ft.	
Powder, Caps and Fuse	6.00	"	
Timber	13.28	"	
Rods, Nuts, Washers, lag screws	.84	"	
Hoist and Compressor supplies	6.00	"	
Steel and bits	3.00	"	
Repairs	1.50	"	
Engineering, accounting, etc	2.50	"	
Supervision $2.50 per hr.	10.00	"	
Rental-Equipment	4.33	"	
Head Frame $ 1.05 per ft.	1.05		
Sub total	83.06		$ 8,306.00

Drifting and crosscutting-total 300', 5 day week, advance 3½' per day equals 86 days equals 17 and one fifth weeks equals 4 and ½ months. Wages Miners $2.00 per hr. Muckers $1.75 per hr. Hoist engineer $2.00 per hr.

Wages	13.10	per ft.	
Insurance, Social Security, and Unemployment @ 15.2 %	1.99	"	
Powder, Caps and Fuse.	3.00	"	
Timber	4.97	"	
Hoist and Compressor supplies	4.00	"	
Steel and Bits	2.00	"	
Repairs	1.50	"	
Engineering, Accounting, etc.	2.50	"	
Supervision $2.50 per hr.	5.71	"	
Rental -Equipment	2.45	"	
Head Framce $ 1.05 per ft.	1.05	"	
Sub total	42.27		$ 12,681.00

(c)

Gasoline for trucks 6 months 600 gal.	174.00	
Oil and Grease " "	27.50	
Tires	150.00	
Welding gas and supplies	60.00	
Sub total	411.50	$ 411.50

(f)

Moving engine room and blacksmith shop 30 Mi.	350.00	
Moving residence building 30 miles	250.00	
Moving two portable buildings 110 miles	100.00	
Sub total	700.00	$ 700.00

Sub totals brought forward		$ 23,778.50

6. (f) 1600 feet water line consisting of:

60 ft. 1½" Galvanized pipe	$ 30.00	
60 " 1" " "	18.60	
1480 ft. 3/4" " "	315.60	
Sub total	364.20	364.20
Total		24,142.70

(h) Pumping water from shaft bottom if encountered in workings. Cost would depend upon volume of water which would be pumped with air driven pump, which we would furnish. Expense would be for operation of compressor.

(d) Itemized list of operating equipment owned by C. H. Ogee which will be furnished on a rental basis:

Compressor	$ 1,800.00
Drills- 2 Jackhammers	500.00
2 Shells	270.00
2 Columns, Arms, etc.	200.00
Drills & Bits	500.00
Hoses- Air and Water	500.00
2 Pressure Tanks	50.00
Mine rails, fish plates, bolts spikes & ties	570.00
Air Lines 600 feet	300.00
Mine Cars (3)	450.00
Trucks- 4 wheel drive	1,100.00
Pickup	1,100.00
Tools, blacksmith equipment & Welding outfit	700.00
Tugger	350.00
Hoist and Bucket	1,500.00
Slusher	500.00
	10,390.00