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

NOV 3 1959

Messrs. R. S. T. Fraser
and Robert C. Read, Partners
Mono Lake Mines
P. O. Box 816
Norwalk, Connecticut

Re: Docket No. OME-6065 (Molybdenum)
Mono Lake Mines
September Group of Claims
Mono County, California

Gentlemen:

Your application for aid in an exploration project and other information available to us in Washington concerning the above-named property have been reviewed.

Careful study of all the information available to us indicates that the probability of disclosing significant ore reserves on your property is not sufficiently promising to justify Government participation in the proposed exploration. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

Sincerely yours,

Frank E. Johnson

Acting Director

FMMurphy/gla
10-30-59
cc to: Director's Reading File
Operating Committee
Wilmer McInnis, USBM
Harold Kirkemo, USGS
OME Field Team, Region II (2), w/3 cys each USBM memo 10/27/59, and USGS memo 10/26/59
Docket
Chron
Code 500

October 26, 1959
Re: OME 6065 (Molybdenum)
September Claims
Mono Lake Mines
Mono County, California

Memorandum

To: W. R. Griswold, Office of Minerals Exploration

From: Harold Kirkemo, U. S. Geological Survey

Subject: Review of field examination report

I concur with the field examiner and the Field Team in recommending that the application for OME exploration assistance be denied.

The examiner reports small areas of tactite whose tonnage possibilities would not justify exploration. About 10,000 tons of material averaging about 0.4 percent molybdenum and 0.3 percent WO_3 is inferred. The field examiner points out that the geologic facts do not support the applicant's estimate of millions of tons of low grade ore.

Harold Kirkemo

cc: OME (3)
Wilmer McInnis, 3515
Director's reading
Branch reading
Chron. file
Docket file
HKirkemo/mm
G-MD-10/26/59

6065

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
555 Battery Street
San Francisco 11, California

October 19, 1959

Memorandum

To: Operating Committee, OME, Washington, D. C.

From: Executive Officer, OME Field Team, Region II

Subject: Project No. OME-6065 (Molybdenum)
Mono Lake Mines
September Claims
Mono County, California

Enclosed are the original and three copies of the examination report by E. K. Stager, Geologist, U. S. Geological Survey, on the subject property.

I concur in the recommendation that the application for OME exploration assistance be denied.

/s/ W. F. Dietrich

W. F. Dietrich

Enclosure

Copy to: E. K. Stager, U.S.G.S.
OME File

OCT 21 1959

Reviewed by
OME OPERATING COMMITTEE

_____
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Report Nos. _____

REVIEW OF EXAMINATION REPORT

State California *County* Nevada *Mineral products* Molybdenum

Name of property September Group of Claims [illegible]

Owner K. C. Hilton, W. G. Hilding, Partnership *Address* 1350 No. Lemon Ave., Monte Park, Calif.

Lessee or Operator Nevada Lobo Mines *Address* P. O. Box 816, Reno, Nevada

Location Secs. 10 and 15, T. 1 N., R. 15 E., MDBM, Nevada County, California at altitude of 9,000 feet. The claims are about one mile north of the Rest Gate checking station of Yosemite National Park, and on the west side of the Tioga Pass Road.

Examined by H. K. Stager, E.E.S.S. *Date* October 1, 1950

Apparent quality of examination and report Good

Discussion and review: The property was examined in 1945 by [illegible] personnel in connection with an application for uranium exploration, [illegible], and the application was denied. Since the previous examination, the present lessees have bulldozed a trench 700-feet long, 15-feet wide and from one-foot to five-feet deep in a talus slope on the September No. 2 claim, exposing small outcrops of molybdenite and scheelite-bearing tactite. There are no measured ore reserves though about 10,000 tons of low grade material (about 0.4 per cent Mo and 0.3 percent WO_3) is indicated or could be inferred. Traces of molybdenum and tungsten-bearing minerals are scattered over the claim and occur in lenses of tactite. The highest grade lens is about 70-feet long, 30-feet wide and is inferred to extend down dip about 30-feet. The estimated average grade of this lens is 0.4 percent Mo and 0.3 percent WO_3. Examination and sampling of the new exposures confirms the small size, discontinuous nature and low grade of the ore bodies. The examiner recommends that Government exploration assistance be denied.

Reviewed by
OME OPERATING COMMITTEE

DATE	ACTION	BY

_____
(date)

Reviewed by /s/ W. F. Dietrich
W. F. Dietrich, Executive Officer
Date October 19, 1950

GPO 12-46958

EXTRA COPY
O. M. E.
RECEIVED OCT 21 1959

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

OME-6065 (MOLYBDENUM)
Mono Lake Mines
September Claims,
Mono County, California

by

H. K. STAGER
U. S. GEOLOGICAL SURVEY

October 16, 1959

Reviewed by
OME OPERATING COMMITTEE

(date)

INTRODUCTION

Mono Lake Mines, a partnership of Robert C. Rand and R.S.T. Fraser, P. O. Box 318, Norwalk, Connecticut, applied to the Office of Minerals Exploration, docket OME-6065, dated August 24, 1959, for Government assistance in a $32,000 program to explore for Molybdenum on the September group of claims, Mono County, California.

Investigation of the deposit and a field examination if warranted was requested by the Operating Committee on September 11, 1959. A field examination was made by H. Z. Steger, U. S. Geological Survey, on October 1, 1959, accompanied by Mr. F. C. Hillon, one of the owners of the claims and representing the applicants.

The property was examined in 1955 by RMEA personnel in connection with an application for uranium exploration, docket RMEA-3650. The examiners found only slight radioactivity to be present and also noted traces of molybdenum and tungsten minerals but nothing of economic importance. The application was denied.

Since the previous application a trench about 700 feet long has been bulldozed in a talus slope on the September No. 2 claim exposing several small outcrops of molybdenite- and scheelite-bearing tactite.

Although much of the claim area was covered by snow and new snow was falling during most of the day of the examination the rocks cut by the bulldozer trench were relatively free of snow permitting close examination of the rocks and the taking of six samples of the best molybdenite-bearing tactite exposed.

SUMMARY

The deposit is of contact metamorphic origin and is localized near a contact between Cretaceous granitic rocks of the Sierra Nevada batholith and a large roof pendant of Paleozoic metamorphic rocks. Small masses of molybdenite- and scheelite-bearing tactite crop out in the claim area but the size and grade of the material exposed is too low to be of economic significance. No ore of any kind has been mined from the claim area. There are no measured ore reserves and only about ten thousand tons of low grade material (about 0.4 percent Mo and 0.5 percent WO_3) is indicated or can be inferred.

The applicants proposed to explore the most favorable area on the September No. 2 claim with 18 diamond-drill holes totaling about 2,500 feet of drilling. The size and grade of the molybdenite- and scheelite-bearing masses that are exposed, or that can be inferred, on the property do not justify an exploration program for molybdenum.

RECOMMENDATION

I recommend that the application for Government assistance to explore for molybdenum on the September claims be denied.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The September group of claims is in Secs. 19 and 25, T. 1 N., R. 25 E., M.D.B.&M., at an altitude of 9,800 feet (fig. 1). It is about one mile north of the East Gate checking station of the Yosemite National Park, on the west side of the Tioga Pass road (State Highway 120).

The property is readily accessible during the summer months, June to October in normal years, but Highway 120 is not passable because of deep snow cover during the winter and spring.

The nearest source of labor, mail, telephone, trucking service, and supplies is Lee Vining, 12 miles, or Bishop 60 miles to the south.

HISTORY, PRODUCTION, OWNERSHIP, AND DEVELOPMENT

The September claims were first located by the present owners on September 16, 1954. Although some mining activity, principally for silver and tungsten, had taken place in the district prior to this time there is no record of previous ownership or prospecting in the claim area. There has been no recorded production of any kind from the claim area.

The claims, September Nos. 1 through 11, are recorded in Bridgeport, Mono County, California, and are held by right of location by P. C. Hillen and W. C. Holding, a partnership, of 1380 North Lemon Ave., Menlo Park, California. The applicants have an option to purchase the property for a total purchase price of $125,000. The agreement requires a payment of $2,500 on November 30, 1959; a second payment of $8,500 on August 31, 1960; and royalty payments of seven percent on any production after that date until a total of $120,000 is paid.

The property is developed by a 700 foot bulldozer trench, about 15 feet wide and from 1 to 5 feet deep; several shallow prospect pits a few feet in diameter and 1 to 5 feet deep, all on the September No. 2 claim. A short access road to the September No. 2 claim suitable

for jeep travel, has been built from Highway 120. There are no underground workings in the claim area. There are no buildings or other structures on the property.

GEOLOGY

Geologic Setting:

The September claims lie along the east edge of a large roof pendant of Paleozoic metamorphic rocks surrounded by Cretaceous granitic rocks of the Sierra Nevada batholith. The rocks exposed in the claim area are predominately siliceous and calcareous hornfels interbedded with small lenses of tactite; granite crops out in the southeast part of the property. Much of the claim area is covered by talus and slope wash.

A bed of siliceous white hornfels several hundred feet thick crops out along the west side of the September No. 2 claim. This bed, incorrectly identified as limestone on the applicant's map, forms a steep cliff face and is the source of the talus pile that covers much of the mineralized area. It is about 600 feet west of the granite contact and forms the west boundary of the principal area of tactite and calcareous hornfels that contains the molybdenum deposit. Foliation in the metamorphic rocks is parallel to the bedding, strikes about N. 50° to 60° E, and is vertical or dips steeply northwest.

Ore Deposits:

Although traces of molybdenum- and tungsten-bearing minerals are widely scattered over the claim area the highest grade tactite lenses

are localized in the calcareous hornfels about 400 feet west of the granite contact, on the September No. 2 claim. The tactite lenses are vertical or dip steeply; range from a few feet to a hundred feet long, and from a few inches to 50 feet thick.

The ore minerals are molybdenite, ferrimolybdite, powellite, and scheelite. Gangue minerals are pyrite, arsenopyrite, quartz, diopside, epidote, garnet, and calcite. The molybdenum and tungsten content ranges from a trace to about one percent in most of the mineralized lenses but probably averages less than 0.1 percent. The highest grade lens exposed on the property is about 70 feet long, 30 feet wide, and is inferred to extend down dip about 50 feet. The estimated average grade of this lens is about 0.4 percent Mo and 0.3 percent WO_3.

Sampling:

Six samples were taken of the best material exposed in the bulldozer trench on the September No. 2 claim. Exposures between the sample points and elsewhere on the property contain only trace amounts of molybdenum- and tungsten-bearing minerals.

Sample No.	Width (feet)	Molybdenum (percent)	Tungsten WO_3 (percent)	Description and location
1	10	0.12	0.01	Tactite, 280 feet from north end of trench, MoS_2 visible, near Operator's sample 3686.
2	20	0.01	0.01	Tactite, 320 feet from north end of trench (sample 3685)
3	20	0.01	0.01	Tactite, 360 feet from north end of trench (sample 3684)
4	10	0.33	0.09	Tactite, abundant MoS_2 visible, 410 feet from north end of trench (sample 3683)

Sampling (Continued)

Sample No.	Width (feet)	Molybdenum (percent)	Tungsten WO_3 (percent)	Description and location
5	Grab of dumps	0.01	0.02	Tactite, MoS_2 visible, grab of material from small pits 600 feet from north end of trench (sample 3677)
6	Grab & chips	0.60	0.85	Tactite, abundant MoS_2, outcrop 30 feet in diameter, about 50 feet south of trench 400 feet from north end (3678 & 3682)

Ore Reserves:

There are no measured ore reserves on the September claims. About 5,000 tons of material that averages about 0.4 percent Mo and 0.3 percent WO_3 is exposed in a small outcrop, and in the bulldozer trench, near the center of the September No. 2 claim, in the area of the Operator's samples Nos. 3678, 3682, and 3683, and Oil samples Nos. 4 and 6. This tactite lens strikes about N. 30° E; is about 70 feet long and 30 feet wide; is vertical or dips steeply northwest; and contains the highest grade material exposed on the property. It is inferred that about 5,000 tons of material of similar grade is contained in the same body or in other small tactite lenses nearby.

The Operator's estimate of millions of tons of low grade ore is not supported by assays or geologic evidence. The grade estimate is based on a few widely scattered samples of the best material exposed and the tonnage estimate is based on an inferred flat-lying, uniformly mineralized ore body about 600 feet long, 300 feet wide, and 150 feet thick. There is no such body of low grade material present in the claim area.

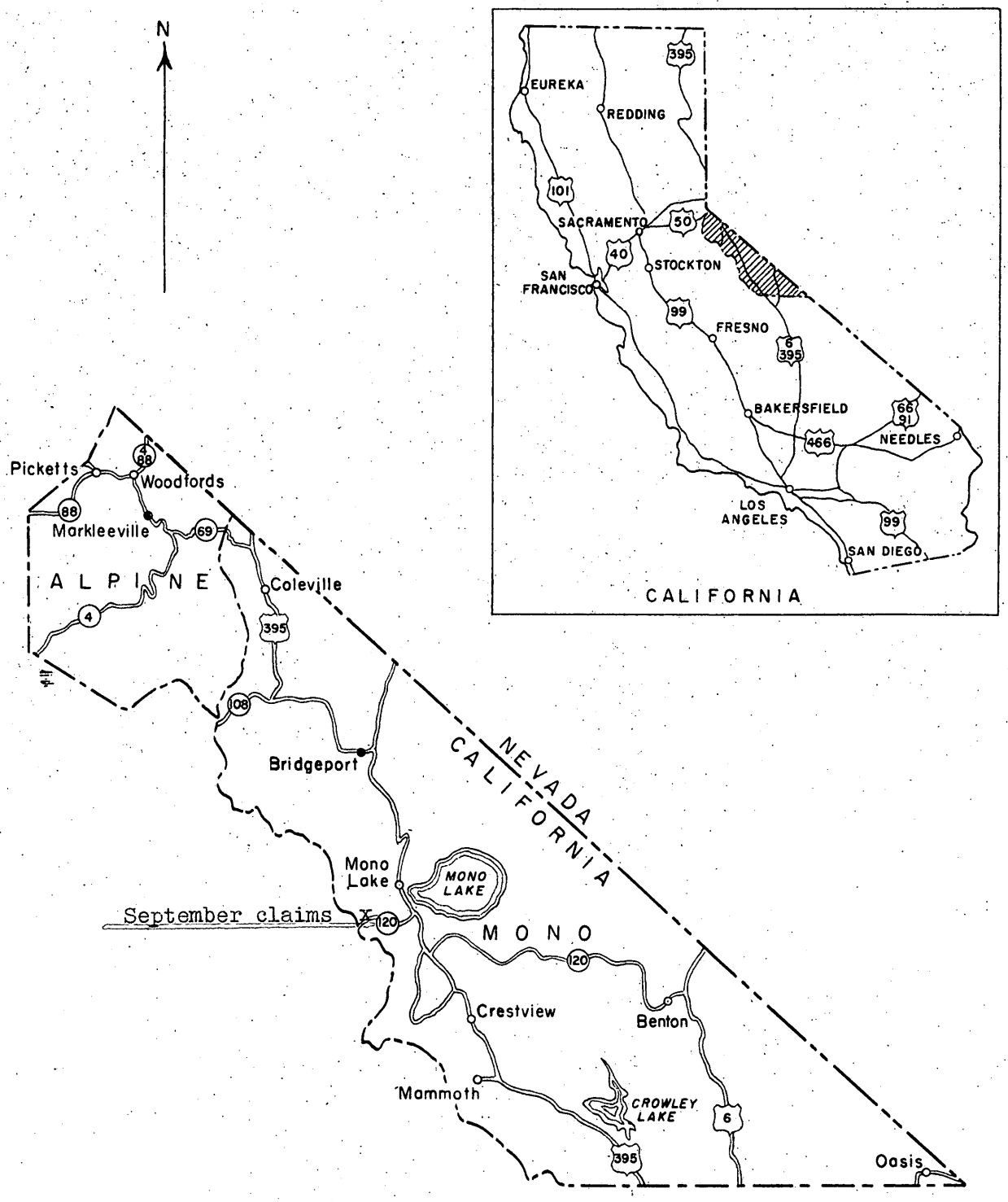

Figure 1. INDEX MAP OF ALPINE AND MONO COUNTIES, CALIFORNIA

0 20 40 60 Miles

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

SEP 11 1959

Memorandum

To: Executive Officer, OME Field Team, Region II

From: ACTING Chairman, Operating Committee, OME

Subject: Docket No. OME-6065 (Molybdenum)
Mono Lake Mines
September Group of Claims
Mono County, California

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

Enclosed for your information are memoranda, dated September 9 and 10, 1959, by Wilmer McInnis, USBM, and Harold Kirkemo, USGS, respectively, relating to the application. Also enclosed for the use of the Field Team is one copy of the application.

In the event the Field Team recommends a contract to explore the captioned claim group, it should advise the Applicant to submit bids from three independent contractors for the proposed drilling. Also, we will require a copy of the purchase agreement relating to the claims.

The cost estimates submitted by the Applicant are unrealistic for the proposed project.

W. R. Griswold

Enclosures

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

Noted Harold Kirkemo

Member, Geological Survey

FMMurphy/gla 9-11-59
cc to: Director's Reading File
Operating Committee
Wilmer McInnis, USBM
Harold Kirkemo, USGS
Docket
Chron

September 10, 1959
Re: OME 6065 (Molybdenum-Tungsten)
Mono Lake Mines
Mono County, California

Memorandum

To: W. R. Griswold, Office of Minerals Exploration

From: Harold Kirkemo, U. S. Geological Survey

Subject: Review of application for exploration assistance

A program consisting of exploration diamond drilling, sampling, and ore dressing tests is proposed at an estimated cost of $32,000. The proposed drilling is intended to test tactite lenses for molybdenum and tungsten minerals.

The same prospect was examined in 1955 by DMEA field examiners in connection with an application for uranium exploration (DMEA 3680). The examiners concluded that the area contained small lenses of tactite showing traces of tungsten and molybdenum minerals that were not of economic importance. They stated that there were no measured, indicated or inferred reserves of uranium, molybdenum, or tungsten ore on the property. The application was denied.

Since this examination, a trench 600 to 700 feet long has been bulldozed on the September 2 claim and a number of short holes whose locations are not shown on the Applicant's maps were drilled. The arithmetical average grade of fifteen samples cut in the trench, pits and on the surface is reported by the Applicant to be 0.221% Mo (0.37% MoS_2) and 0.083% WO_3. The average value of ten samples selected from fresh rock exposures by the Applicant is reported to be 0.327% Mo (0.54% MoS_2) and 0.104% WO_3. Assuming that the values reported by the Applicant represent the best mineralization, the average grade of consecutive samples cut along the trench would probably be even lower. The Applicant's engineer estimates ore reserves at about 1½ million tons. Reserves several times this figure are claimed to be possible after further development of the deposit. The application states that there are no reserves (see page 2, sec. 3(d)).

This material cannot be profitably mined. The metal content is less than half that reported in the contact zone at Union Carbide's Pine Creek mine. The near absence of copper and the low content in tungsten prohibits development of a by-product operation on the Mono Lake mine material.

The Applicant's engineer states that the host rock is a metamorphosed limestone and his map shows only limestone and granite. The DMEA field examiners stated that the rocks exposed within the claim area are predominantly quartzites interbedded with layers of calcareous hornfels and small lenses of tactite. They reported granite in the southeast part of the property and also stated that traces of tungsten and molybdenum minerals were found only in the lenses of tactite. Since these lenses are small, the tonnage possibilities are not as great as the Applicant contends.

I recommend that the application be denied without field referral. A complete sampling job in the bulldozed trench by the examiners would only substantiate the Applicant's estimates of average grade or indicate an even lower content of metal.

Harold Kirkemo

cc: OME (3)
Wilmer McInnis, 3515
Director's reading
Branch reading
Chron. file
Docket file ✓
HKirkemo/mm
G-MD-9-10-59

MME Form 40
Dec. 1958

6065

Budget Bureau No. 42-R1368
Approval expires Dec. 31, 1963

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

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.)*

Mono Lake Mines,
107 Westport Avenue,
Norwalk, Connecticut.

Mailing Address Is:
P.O.Box 816,
Norwalk, Connecticut.

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: OME 6065

DATE RECEIVED: 9-8-59

REGION: II

DIVISION CODE: 500

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [ ]
- CORPORATION [ ]
- PARTNERSHIP [X]
- OTHER *(Specify)* [ ]

STATE IN WHICH FIRM IS ORGANIZED: Connecticut

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Robert C.Read	P.O.Box 816, Norwalk, Conn.	Partner
R.S.T.Fraser	1792 Western Parkway, Vancouver 8, B.C.	Partner

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Molybdenum tungsten.

ESTIMATED COST OF PROJECT: $ 32,000 (in total)

PROPERTY NAME	LOCATION COUNTY	STATE
September Group	Mono	California

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four 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.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

August 24, 1959
DATED

Mono Lake Mines
R.S.T. Fraser Robert C. Read
BY (Signature)

Partners
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 exploration [redacted] cost.

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. 48740

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

[illegible] Battery Street
San Francisco 11, California

September 3, 1959

Memorandum

To: Operating Committee, OME, Washington, D. C.

From: Executive Officer, OME Field Team, Region II

Subject: Nome Lake Mines Application

Enclosed for subject application dated August 24, 1959, from Bunny Jim, dated February 4, 1959, showing a mineral application on the same property was denied. Notice that this application was late when done, which applicant states her displeasure providing discontinuation of exploration and tunnelling.

I believe that it will be necessary to clarify the tentative project of agreement between the owners and the applicant.

Cost estimate will be revised at the time the examination is made. If examination of this project is approved, the field work should be done as soon as possible, not later than the end of September, because of the possibility of heavy snow thereafter.

W. F. Hietala

Enclosure

Copy to: E. E. Steger, U.S.G.S.
OME File
Chron.

EXTRA COPY
O. M. E.
RECEIVED SEP 8 1959
MINERALS | CODE

AUG 1959
BUREAU OF MINES
DIVISION OF
MINERAL RESOURCES
REGION II

P. O. Box 816
107 Westport Avenue,
Norwalk, Connecticut,
August 24, 1959

Mr.W.T.Dietrich, Executive Officer,
Office of Minerals Exploration,
United States Department of the Interior,
420 Custom House,
555 Battery Street,
San Francisco 11, California.

Dear Sir:

In the attached correspondence with banking institutions requesting a loan for exploratory work on the mining claims of the September Group it is noted that the terms requested have not been shown.

These were discussed verbally with the banks in question. A loan for a year at standard commercial rates was requested, the loan to be repaid by the private sale of an interest in the mining claims when the exploratory work was completed, and the security offered was a mortgage on the claims.

Yours very truly,

Mono Lake Mines

Robert C. Read

Robert C.Read, Partner

R.S.T. Fraser

R.S.T.Fraser, Partner

EXTRA COPY
O. M. E.
RECEIVED SEP 8 1959

DATE	INITIALS	CODE

Mono Lake Mines
107 Westport Avenue,
Norwalk, Connecticut.

1. Financial Eligibility

(a) Attached hereto are copies of letters to The Fairfield County Trust Company, New Canaan, Connecticut, and Bankers Trust Company, and the originals of the replies from these banks, declining loans for the development of the property which is the subject of this application.

(b) There are no affiliated, parent, or controlling companies with an interest in the property.

(c) The share of the exploration costs of Mono Lake Mines will be supplied by its partners and their associates, in cash.

2. Applicant's Rights in Land

(a) The interest of the applicant, Mono Lake Mines, in the land and the mineral rights is that of a purchaser under contract. A copy of the purchase agreement is attached hereto. There are no liens, mortgages, or other encumbrances on the land or the mineral rights.

(b) The lands are located in Sections 19 and 25, Township 1 North, Range 25 East, M.D.B.M. The lands consist of eleven unpatented mineral claims, known as the September Group, and numbered September 1 to September 11, inclusive. They are recorded at Bridgeport, Mono County, California. The book and page numbers are:

Claim	Book Number	Page Number
September No. 1	12	265
" " 2	12	266
" " 3	12	266
" " 4	12	267
" " 5	15	339
" " 6	15	340
" " 7	See note	See note
" " 8	15	341
" " 9	15	342
" " 10	15	343
" " 11	15	344

Note

A recent check has shown that claim September No.7, though properly staked, was omitted in the recording. It is proposed, at the earliest possible opportunity, to relocate and record this claim.

(c) Not applicable.

Mano Lake Mines
107 Westport Avenue,
Norwalk, Connecticut.

3. Physical Description

(a) No mining has been done. Exploration operations to date have consisted of some shallow pits and one long bulldoze trench to expose mineralisation in place. There are no underground workings and no exploratory drilling has been done. The workings are more fully described in the attached report on the property by R.S.T. Fraser and the location of them is shown on Exhibit C of that report.

(b) Mano Lake Mines has no interest in the exploratory work described in (a).

(c) There has been no production from this property.

(d) There are no ore reserves. There is the possibility of developing substantial quantities of ore by exploratory drilling. Sampling has consisted of bulk sampling by chip and grab from pits and from the rock in place in the bulldoze trench. These are more fully described in the attached report by R.S.T.Fraser and the gross values of samples, their location, and the lengths over which they were taken are shown on Exhibit C of this report. Exhibit D of the report is a copy of the assay certificate.

(e) Mineral occurances are in a metamorphosed limestone resting on a granitic intrusive. Ground contours, and the granite contours where exposed, indicate a gently domed mass of this intrusive with a maximum of 235 feet of limestone cap. For an approximate vertical distance of 150-175 feet above the granitic contact the limestone has been metamorphosed and mineralized. The upper unmineralised and unaltered limestone appears to have a maximum thickness of 85 feet. To the south the structure is sliced off to the underlying granitic member by the bluff face. To the north, east, and west, from the crest of the hill, the depth from the surface to metamorphism appears to be decreasing. The deposit appears to be relatively flat and it is assumed that the mineralisation will bear a relation to the contour of the underlying granitic rocks.

Ore minerals noted were molybdenum and tungsten (molybdenite, molybite, and scheelite). Some chalcopyrite is present, but not apparently in economic quantities. Sampling indicates that about 75% to 80% of the values are in molybdenum.

The known geological features are illustrated in Exhibit C of the attached report by R.S.T.Fraser (see section on this Exhibit).

(f) Surface sampling to date indicates the possibility of outlining

substantial tonnages of mineralized material with a gross value of about $10 per ton. The indications are, also, that if such a grade is developed, and its thickness amounts to only about half the thickness of the mineralized body, and its position is in the approximate middle, or higher, of the mineralized zone, an open pit operation with costs in the $4.50 per ton range will be possible. If these indications can be proved by exploratory drilling substantial profits can accrue.

The area to be explored has been surface sampled in part. The location of the samples is shown on Exhibit C of the attached report by R.S.T.Fraser. Where an arrow is shown it gives the horizontal distance over which the sample was taken. Samples were chips and grabs from rock in place exposed in pits and in the bulldoze trench, with one exception, and the average wight of the samples was estimated at twenty pounds. Copies of the assay certificate are given in the attached reports, Exhibit D.

(g) Two copies of an engineering report by R.S.T.Fraser, Mining Engineer, are attached. It is requested that these be returned to him at the address shown therein when they have served their purpose.

4. Accessibility of Property

(a) An CME representative who may examine the property will be met by R.S.T.Fraser, 1792 Western Parkway, Vancouver 8, B.C., at Reno, Nevada, or Lee Vining, California, by arrangement. The property is readily accessible. It is reached from Reno, Nevada, by driving 135 miles south on Highway 395 to Lee Vining, and thence by driving 13 miles west on Highway 120, or from San Francisco, California, by driving 231 miles east on Highway 120. From Highway 120 to the exposed mineralization is about 1200 feet. These locations are shown on Exhibits A and B of the attached report by R.S.T.Fraser.

(b) Lee Vining, California, 13 miles.
Reno, Nevada, 148 miles.
San Francisco, California, 231 miles.

5. Exploration Work

(a) A maximum of 2500 feet of EX or X-Ray diamond core hole is proposed. A tentative drill pattern is shown on Exhibit C of the attached report by R.S.T.Fraser. Three lines 100 feet apart, with holes 100 feet apart on the lines, are shown. Holes are to be vertical, and carried down to the limestone-granitic contact, if possible. The granitic rocks are not expected to carry values, but it is proposed to carry a few holes a few feet into them to test this.

Mono Lake Mines,
107 Westport Avenue,
Norwalk, Connecticut.

Aside from this drilling and the necessary drill road building, surveying, and assaying, the only other expenditure (other than expenses of supervision and consulting) is a preliminary ore dressing test to be conducted using sample rejects, if the results of the preliminary drilling are indicating commercial ore. No ore dressing tests would be made if drilling results are not considered to be showing material of economic grade.

While a program of 2500 feet of drilling is planned, if first results are disappointing, the entire program will not be completed. It is planned, however, not to discontinue the program short of 800 feet of drilling.

The proposed drilling pattern is shown on Exhibit C of the attached report by R.S.T.Fraser in relation to No.2 claim of the group. The relation of No.2 claim to the rest of the claims of the group is shown on Exhibit B of this report.

(b) A short road, good enough only for hauling in drill equipment, will be built from Highway 120 to the drill locations. The location of this proposed road is shown on Exhibit B in the attached report by R.S.T. Fraser. The total length will be about 2500 feet.

This road will be put in by bulldozer. Construction will consist only in pushing boulders out of the way, and putting in a little fill in the low spots. No drilling or blasting will be necessary.

(c) Work will be started immediately an OME contract is executed, depending upon the availability of drill equipment. It is expected that it will be completed 65 days thereafter, unless operations are interrupted by the closing of the road from Lee Vining to the claims by snow, in which event the unfinished portion of the drilling will have to be deferred until the spring of next year. The time is estimated as follows:

Bulldozing road	3 to 5 days
Drilling at 50 feet per day (2 sh.)	50 days
Moving time	10 to 12 days

6. Experience

The work will be directed by R.S.T.Fraser, one of the partners of the Mono Lake Mines, who is a registered mining engineer witha degree of Batcheler of Applied Science, and who has had approximately thirty years experience in the examination, development, and management of mining properties. It is planned to have the work checked by an independent consulting engineer, yet to be selected.

Mono Lake Mines,
107 Westport Avenue,
Norwalk, Connecticut.

7. Estimate of Costs

(a) Building access drill road -	
bulldozer for 5 days at rental rate of $125 per day	$ 625
Drilling 2500 feet of EX diamond core hole	
at quoted price of $6 per foot	15,000
Moving and idle rig time	
12 days at rental rate of $72 per day	864
	$16,489
(b) Supervision - 65 days at $50 per day	$ 3,250
Travelling expenses	800
Engineering aid - 60 days at $25 per day	1,500
Consulting engineering fees - 10 days at $150 per day	1,500
Consulting engineer's expenses	500
	$ 7,550
(c) Core boxes - 100 at $1.25 each	$ 125
Sample sacks - 500 at 20¢ each	100
Core splitter	35
Gas and oil	250
Small tools (picks, shovels, etc.)	25
	$ 535
(d) Rental of survey equipment -	
2 months at $125 per month	$ 250
Rental of transportation equipment	
60 days at $10 per day	600
Rental of lamp equipment	
2 months at $15 per month	30
	$ 880

(e) Nil

(f) Nil

Mono Lake Mines,
107 Westport Avenue,
Norwalk, Connecticut.

(g) Assaying 500 samples at $10 per sample	$ 5,000
Express on samples	250
Ore dressing tests	1,000
Accounting services	250
Liability insurance	50
	$ 6,550

Summary of costs

(a)	$16,489
(b)	7,550
(c)	535
(d)	880
(e)	Nil
(f)	Nil
(g)	6,550
Total	$32,004

This estimated figure has been rounded out to an even $32,000

The Fairfield County Trust Company
NEW CANAAN OFFICE
NEW CANAAN, CONN.

GILBERT B. SEARLES
VICE PRESIDENT

August 14, 1959

Mr. Robert C. Read
MONO LAKE MINES
c/o The Gordon Co., Inc.
P. O. Box # 816
Norwalk, Connecticut

Dear Mr. Read:

We have received your letter and loan application dated August 11, 1959 requesting a loan in the amount of $16,000.00 to be granted to you and Mr. R. S. T. Fraser, operating a partnership in the name "Mono Lake Mines."

This application has been brought before our Executive Committee for consideration and it is necessary that I advise you that they have found themselves unable to approve the application.

Very truly yours,

G. B. Searles

G. B. Searles

GBS:VO

MONO LAKE MINES
c/o The Gordon Co., Inc.
P. O. Box 816
Norwalk, Conn.

August 11, 1959

The Fairfield County Trust Company
New Canaan Office
82 Main Street,
New Canaan, Conn.

Attention: Mr. Searles, Vice President

Dear Sirs:

Application is hereby made for a loan of $16,000 to "Mono Lake Mines", a partnership between the writer and R. S. T. Fraser of Vancouver, British Columbia, Canada.

The proceeds of this loan will be used, together with an equal amount contributed by the partners and certain other Associates, to test drill one of eleven mining claims located 13 miles west of Lee Vining, California, on State Highway 120; these claims are known as "The September Group of Mining Claims" and are more particularly described in a report prepared by R. S. T. Fraser, dated July 20, 1959.

We would contemplate that the partnerships' interest in these claims (amounting to approximately sixty per cent (60%) of the total interest) would be mortgaged to the bank as security for the loan.

I would appreciate word from you regarding this application, at your convenience.

Yours very truly,

Robert C. Read,
Partner

RCR/b

BANKERS TRUST COMPANY

NEW YORK

C. EDWIN EWALD
ASSISTANT TREASURER

TELEPHONE MURRAY HILL 2-7900
529 FIFTH AVENUE
NEW YORK 17, N. Y.

August 13, 1959

Mr. Robert C. Read,
President
The Gordon Company
P. O. Box 816
107 Westport Avenue
Norwalk, Connecticut

Dear Mr. Read:

I have your application of August 11th, proposing a loan of $16,000 to a partnership in the name of Mono Lake Mines, and we wish to advise that it is not the policy of our bank to extend credit to an enterprise such as the one proposed but we do appreciate your submitting the proposal to us.

Very truly yours,

Assistant Treasurer