DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1661X

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

_____

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	Supply Division	Date	9-5-51
To:	Reports and Records	Date	SEP 7 1951
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

OFFICE OF THE ADMINISTRATOR

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

370
a.E.e

SEP 7 1951

Memorandum

To: Reports and Records Unit, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-1661-X, E. O. Moon
Monarch & Arletta claims
San Bernardino & Inyo Counties, California
Commodity: Steatite Talc
Amount: 90% of $9,768

Denial recommended because:

1. Sound geologic basis to justify proposal not established.

2. Samples from the deposits were tested in the College Park laboratory and did not qualify as strategic grade material.

Attached:

1. Report from Region III on Monarch Talc Mine with maps and pictures.
2. Report from Region III on Arletta Talc Mine with pictures.
3. Review of Application for Exploration Assistance.
4. Form MF-103 with supplemental information.
5. Landlord's Subordination Agreement in quadruplicate.
6. Option and Lease.
7. Letters from applicant dated Feb. 21 and May 31, 1951, and analysis of talc sample.

James A. Barr

James A. Barr, Sr.

Approved:

Tom Lyon

Director, Supply Division

FILE COPY
SURNAME:

Waskey
Barr

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

370

SEP 7 1951

Memorandum

To: Reports and Records Unit, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-1661-X, E. O. Moon
Monarch & Arletta claims
San Bernardino & Inyo Counties, California
Commodity: Steatite Talc
Amount: 90% of $9,768

Denial recommended because:

1. Sound geologic basis to justify proposal not established.

2. Samples from the deposits were tested in the College Park laboratory and did not qualify as strategic grade material.

Attached:

1. Report from Region III on Monarch Talc Mine with maps and pictures.
2. Report from Region III on Arletta Talc Mine with pictures.
3. Review of Application for Exploration Assistance.
4. Form MF-103 with supplemental information.
5. Landlord's Subordination Agreement in quadruplicate.
6. Option and Lease.
7. Letters from applicant dated Feb. 21 and May 31, 1951, and analysis of talc sample.

SIGNED

James A. Barr, Sr.

A.J. 9-7

Approved:

Tom Lyon

Director, Supply Division

RWASKEY:esf 9/5/51
cc: Field Team, Region III (2)
DMA Docket File
Mr. Lyon - Mr. Barr

FILE COPY
SURNAME:

Waskey
Barr

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C. SEP 7 1951

SIGNED 370

Mr. E. O. Moon
4233 Berryman Avenue
Culver City, California

Subject: DMA-1661-X

Dear Mr. Moon:

Your application for aid for an exploration project on steatite talc deposit located on Monarch and Arletta claims in San Bernardino and Inyo Counties, California, and docketed as DMA-1661-X, has been reviewed by this office.

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

A very careful study of your proposal, including examination by DMA Field Team, revealed the following:

1. A sound geologic basis for expecting to find strategic grade steatite in the deposits has not been demonstrated.

2. Samples of steatite from the deposits were tested in the U. S. Bureau of Mines laboratory at College Park, Maryland, and did not qualify as strategic grade material.

Under these circumstances, your application for exploration aid to the extent of 90% of $9,768 is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

Unless we receive a request within 30 days we will consider the case closed.

Sincerely yours,

Tom Lyon

Tom Lyon, Director
Supply Division

RWASKEY:esf
9/5/51
cc: Field Team, Region III (2)
DMA Docket File
Mr. Lyon - Mr. Barr

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~BUREAU OF MINES~~
~~REGION III~~
DEFENSE MINERALS ADMINISTRATION

OFFICE OF
~~REGIONAL DIRECTOR~~
Executive Officer
DMA Field Team
Region III

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.
~~1015 APPRAISERS BLDG.~~
~~630 SANSOME STREET~~
~~SAN FRANCISCO 11, CALIF.~~

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 2 81951

August 30, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, DMA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: DMA-1661X, E. O. Moon, 4233 Berryman Ave., Culver City, Calif. Talc (steatite) $9,768

Reference is to your subject "Review of Application for Exploration Assistance" dated June 26.

As the applicant's original request for an exploration project costing $9,768 included work on the Monarch Talc Mine in San Bernardino County, Calif., and on the Arletta Talc Mine in Inyo County, Calif. (application for work on the Arletta Mine later withdrawn), each property was examined and has been reported on separately.

Attached are four copies of each of the two following reports by E. J. Matson, Mining Engineer, U. S. Bureau of Mines, dated August 3, 1951:

1. DMA-1661X, Monarch Talc Mine, San Bernardino County, Calif.

2. DMA-1661X, Arletta Talc Mine, Inyo County, California

The conclusion of the examining engineer is to the effect that there are possibilities of finding some additional talc at the properties but that it will not be of steatite grade. The report received from the College Park Station of the Bureau of Mines on samples sent to them from both the Monarch and the Arletta Mines indicates that the talc is not of steatite grade.

As the talc from these properties is not of steatite grade, Governmand aid in the exploration of the properties is not warranted.

Returned herewith are docket DMA-1661X, four copies of each of the above-cited reports, and four sheets of answers to Question 23 of Form MF-103 prepared by Mr. Matson and the applicant.

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

Attachments

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 2 81951

DMA 1661 X

23.	(a)	One miner @ $13.00/day, 5-day week	$1690.00
		One mucker @ $11.00/day, 5-day week	1430.00
	(b)	Supervisor @ $500.00/month	3000.00
	(c)	Repairs to buildings, etc.	240.00
	(d)	Cost of necessary installations or construction of additional facilities for miners quarters	210.00
		Water line to camp from spring	240.00
	(e)	Butane stove for cooking	78.00
		Refrigerator for food storage	350.00
	(f)	Rental of 105 cu.ft./Min Air compressor and Jackhammer @ $150.00/month	900.00
	(g)	Rental of mine car & rails @ $30.00/month	180.00
		Automobile for period	320.00
	(h)	Cost of powder, caps and fuse	450.00
	(i)	Light Plant	100.00
		Insurance	250.00
		Mine timbers	330.00
		Total cost	$9768.00

A recapitulation of the above would be as follows:

Rehabilitation		Equipment		Crosscutting & sinking	
Miners quarters	210.00	Butane stove	78.00	Miner	1,690.00
Water line	240.00	Refrigerator	350.00	Mucker	1,430.00
Repairs	240.00	Air Compressor	900.00	Supervisor	3,000.00
		Cars, rails	180.00	Supplies	450.00
	690.00	Light Plant	100.00	Insurance	250.00
				Mine timbers	330.00
			1,608.00	Transportation of men & supplies	320.00
					7,470.00

Summary

Rehabilitation	690.00
250 feet of crosscut @ $20.00/ft.	5,000.00
80 feet of 30 degree incline shaft @ $30.00 plus/ft.	2,470.00
Equipment	1,608.00
	9,768.00

DMH 1661Y

23.	(a)	One miner @ $15.00/day, 5-day week	$1690.00
		One mucker @ $11.00/day, 5-day week	1450.00
	(b)	Supervisor @ $500.00/month	3000.00
	(c)	Repairs to buildings, etc.	240.00
	(d)	Cost of necessary installations or construction of additional facilities for miners quarters	210.00
		Water line to camp from spring	240.00
	(e)	Butane stove for cooking	78.00
		Refrigerator for food storage	350.00
	(f)	Rental of 105 cu.ft./Min Air compressor and Jackhammer @ $150.00/month	900.00
	(g)	Rental of mine car & rails @ $30.00/month	180.00
		Automobile for period	320.00
	(h)	Cost of powder, caps and fuse	450.00
	(i)	Light Plant	100.00
		Insurance	250.00
		Mine timbers	330.00
		Total cost	$9768.00

A recapitulation of the above would be as follows:

Rehabilitation		Equipment		Crosscutting & sinking	
Miners quarters	210.00	Butane stove	78.00	Miner	1,690.00
Water line	240.00	Refrigerator	350.00	Mucker	1,450.00
Repairs	240.00	Air Compressor	900.00	Supervisor	3,000.00
		Cars, rails	180.00	Supplies	450.00
	690.00	Light Plant	100.00	Insurance	250.00
				Mine timbers	330.00
			1,608.00	Transportation of men & supplies	320.00
					7,470.00

Summary

Rehabilitation	690.00
250 feet of crosscut @ $20.00/ft.	5,000.00
80 feet of 30 degree incline shaft @ $30.00 plus/ft.	2,470.00
Equipment	1,608.00
	9,768.00

PMA 1661 X

23.	(a)	One miner @ $13.00/day, 5-day week	$1690.00
		One mucker @ $11.00/day, 5-day week	1430.00
	(b)	Supervisor @ $500.00/month	3000.00
	(c)	Repairs to buildings, etc.	240.00
	(d)	Cost of necessary installations or construction of additional facilities for miners quarters	210.00
		Water line to camp from spring	240.00
	(e)	Butane stove for cooking	78.00
		Refrigerator for food storage	550.00
	(f)	Rental of 105 cu.ft./Min Air compressor and Jackhammer @ $150.00/month	900.00
	(g)	Rental of mine car & rails @ $30.00/month	180.00
		Automobile for period	320.00
	(h)	Cost of powder, caps and fuse	450.00
	(i)	Light Plant	100.00
		Insurance	250.00
		Mine timbers	350.00
		Total cost	$9768.00

A recapitulation of the above would be as follows:

Rehabilitation		Equipment		Crosscutting & sinking	
Miners quarters	210.00	Butane stove	78.00	Miner	1,690.00
Water line	240.00	Refrigerator	550.00	Mucker	1,430.00
Repairs	240.00	Air Compressor	900.00	Supervisor	3,000.00
		Cars, rails	180.00	Supplies	450.00
	690.00	Light Plant	100.00	Insurance	250.00
				Mine timbers	350.00
			1,808.00	Transportation of men & supplies	320.00
					7,470.00

Summary

Rehabilitation	690.00
250 feet of crosscut @ $20.00/ft.	5,000.00
80 feet of 30 degree incline shaft @ $30.00 plus/ft.	2,470.00
Equipment	1,608.00
	9,768.00

DNA 1661 X

23.	(a)	One miner @ $13.00/day, 5-day week	$1690.00
		One mucker @ $11.00/day, 5-day week	1430.00
	(b)	Supervisor @ $500.00/month	3000.00
	(c)	Repairs to buildings, etc.	240.00
	(d)	Cost of necessary installations or construction of additional facilities for miners quarters	210.00
		Water line to camp from spring	240.00
	(e)	Butane stove for cooking	78.00
		Refrigerator for food storage	350.00
	(f)	Rental of 105 cu.ft./min Air compressor and Jackhammer @ $150.00/month	900.00
	(g)	Rental of mine car & rails @ $30.00/month	180.00
		Automobile for period	320.00
	(h)	Cost of powder, caps and fuse	450.00
	(i)	Light Plant	100.00
		Insurance	250.00
		Mine timbers	330.00
		Total cost	$9768.00

A recapitulation of the above would be as follows:

Rehabilitation		Equipment		Crosscutting & sinking	
Miners quarters	210.00	Butane stove	78.00	Miner	1,690.00
Water line	240.00	Refrigerator	350.00	Mucker	1,430.00
Repairs	240.00	Air Compressor	900.00	Supervisor	3,000.00
		Cars, rails	180.00	Supplies	450.00
	690.00	Light Plant	100.00	Insurance	250.00
				Mine timbers	330.00
			1,608.00	Transportation of men & supplies	320.00
					7,470.00

Summary

Rehabilitation	690.00
250 feet of crosscut @ $20.00/ft.	5,000.00
80 feet of 30 degree incline shaft @ $30.00 plus/ft.	2,470.00
Equipment	1,608.00
	9,768.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1661X, Monarch Talc Mine

San Bernardino Co., Calif.

E. J. Matson, Mining Engineer
U. S. Bureau of Mines

August 3, 1951

DOCKET DMA-1661X

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

MONARCH TALC MINE
San Bernardino Co., Calif.

SUMMARY

The Monarch Talc mine, San Bernardino County, Calif. was examined by an engineer[1] of the Bureau of Mines, Region III, on July 10, 11 and 12, 1951, accompanied by E. O. Moon, applicant, for a Government loan.

The property is in the southern end of Death Valley National Monument and has been a producer of talc ore for a number of years. According to Mr. Moon, the property has produced an estimated 100,000 tons of talc suitable for use in paints, textiles and the ceramic industry.

The mine has been operated chiefly by lessees and for the past few years has been idle. The underground excavations have not been kept timbered properly and workings have sloughed to a point where rehabilitation of the old workings would now be too costly. The applicant proposes to drive an adit to intersect the northern extension of the talc zone and an inclined shaft to intersect the southern extension.

INTRODUCTION

This report covers an examination of the Monarch Talc mine, San Bernardino County, Calif., in regard to an application for exploration assistance. The amount of loan requested is $9,768 and the commodity

1/ E. J. Matson.

is talc (steatite).

LOCATION

The Monarch Talc mine is located in T. 19 N., R. 5 E., northern San Bernardino County close to the southern border of Inyo County. It is also in the southern end of Death Valley National Monument.

The property is reached by traveling south on State Highway 127 from Shoshone to the Ibex Spring turn-off a distance of about 20 miles and thence about 6 miles westerly or a total of about 26 miles southwesterly from Shoshone.

HISTORY

The Monarch talc mine is owned by Messers Morris and Corey of Los Angeles under the name of Monarch Talc Mines, 612 South Flower Street, Los Angeles 17, Calif. The property has been operated mostly by leasors for many years; the last lessee being the Sierra Talc and Clay Co. of Los Angeles. The property consists of four unpatented lode claims known as Monarch Nos. 1 to 4 inclusive. It is estimated the mine has produced about 100,000 tons talc ore. The property has been idle for the past several years.

Recently Mr. E. O. Moon, 4233 Berryman Ave., Culver City, Calif., has obtained a lease on the property and is attempting to secure a Government loan to explore for extensions of the talc mineralization.

PHYSICAL FEATURES

The property is located on the eastern side and the southern end of the Amargosa range of the Black Mountains at elevations varying from 900 to 1200 feet. The topography is fairly rugged with V-shaped drainage gulches cut by erosion on the slopes (fig. 2). The area is devoid

of vegetation except for sparse desert grass. Summers are exceedingly hot and dry, while winters are mild and cool. Snow seldom falls and precipitation usually occurs as water during the winter months.

LABOR AND HOUSING

The applicant proposes to repair an existant building at a site near Ibex Spring for miners quarters during the exploration work.. The building is made of stone and has two ends and one side.

About 450 feet of 2-inch pipe is required to transport drinking water to the campsite. Ibex Spring or the campsite is about two miles from the mine. It is the applicant's opinion that he can keep his men on the job by allowing them to stay at the campsite and do their own batching.

DESCRIPTION OF THE DEPOSIT

The talc is a replacement in dolomitic limestone occurring between a dolomitic footwall and a greenstone hanging wall. Average strike of the mineralization is about N. 12° E. with a 50° dip to the east (fig.3). Some places in the mine it is reported to be as much as 100 feet wide and averages 40 to 50 feet in width. The talc is a white fibrous variety, soft and crumbly, suitable grinding from which ceramic products can be made. Some of the talc is also massive but would not stand machining.

MINE WORKINGS

The mine workings are mostly caved and inaccessible. Only the main adits are open for examination. The property has been worked partly by open cut method and underground excavations using square sets, cut and fill, and open stope methods. Main adits are on the 940,

1000, and 1064 foot levels. However, numerous raises and winzes with sub-levels were used in mining out ore sections. Drifts are very irregular as shown by figure 1. Much timbering has been consumed in the mine. Most of the stopes are timbered with square sets. Open stopes soon cave unless timbered. Approximately 2,000 linear feet of drifts, crosscuts, raises and winzes have been driven at the mine.

SAMPLING

Character samples were taken in the Monarch mine to determine the grade of talc to be mined. Samples 1 and 2 were picked down from the exposed zone. Sample No. 3 was gouged from the open cut. No true hanging or footwall was encountered in the sampling, the zone is relatively wide. Figure No. 1 shows the sample locations.

The samples were sent to the Bureau of Mines laboratory at College Park, Maryland, for analyses to determine if they were of steatite grade.

Petrographic and spectroscopic tests made at College Park on the samples taken from the Monarch Talc mine showed that they could not be classified as steatite talc. The report states:

"These samples are white, soft and strongly foliated. Calcium, potassium and iron are greater than 1 percent by spectroscopic determination. The major impurities are calcite and dolomite (approximately 5%) with minor amounts of sericite, hematite, opaques and tremolite."

SURFACE EQUIPMENT

No mine equipment is at the property except an ore bin and a small frame structure suitable for a blacksmith shop (figs. 4 and 5).

ORE RESERVES

Since the mine was inaccessible for examination for revaluation of ore reserves, no reliable estimate can be made.

New ore must be found on the extensions of the old workings. It is reasonable to expect that additional talc will be found as extensions of the original ore zone.

PROPOSAL OF EXPLORATION BY APPLICANT

The applicant proposes to explore for continuation of talc by driving an adit 250 feet in length at the northwest extension of the mineralization as shown by figure 1. Also he proposes to encounter further mineralization on the southeast extension of the deposit (fig. 1).

CONCLUSIONS

The possibility of finding additional talc mineralization is favorable especially the type used in the paint and textile industry.

It is unlikely that an exploration program would indicate steatite talc, therefore, a loan is not recommended.

DISCUSSION

The applicant believes that he can complete the exploration in six months time. Supervision will be conducted by himself and will include actual work, such as, part time operation of the hoist, mucking, mining, etc. In other words, he claims that he will work and not be a fixture. The applicant is capable, both physically and mentally, to conduct the work.

The applicant is a lessee but has not included the subordination agreement forms MF-201 and MF-202. However, he has promised to submit them to this office at a later date and will be attached to this report when received.

The applicant also had another talc deposit about 5 miles (air-

line) northerly from the Monarch mine which was called the Arletta Mine. It comprised only one claim with some shallow workings. However, the applicant decided to drop the Arletta deposit and to concentrate his work on the Monarch property.

Monarch Talc Mine, San Bernardino County, Calif.
DMA-1661X

Fig. 2.-Looking northwest, towards Black Mountains, Monarch Mine location in center. White formations are talc outcroppings and dumps.

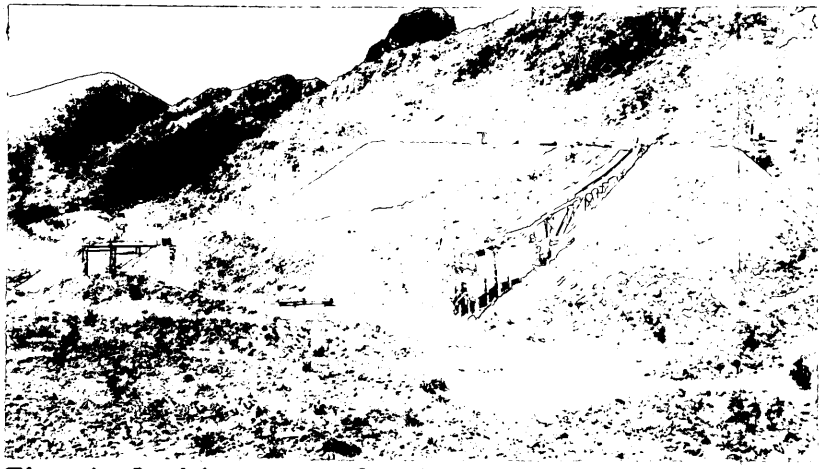


Fig. 4.-Looking westerly showing portion of open cuts at upper right; 1000-foot level dump in center; and 940-foot level at lower left. The proposed 30° incline shaft will be at the 940-foot level and at the far left extreme of picture.

Fig. 3.- Looking south from open pit showing ore zone.

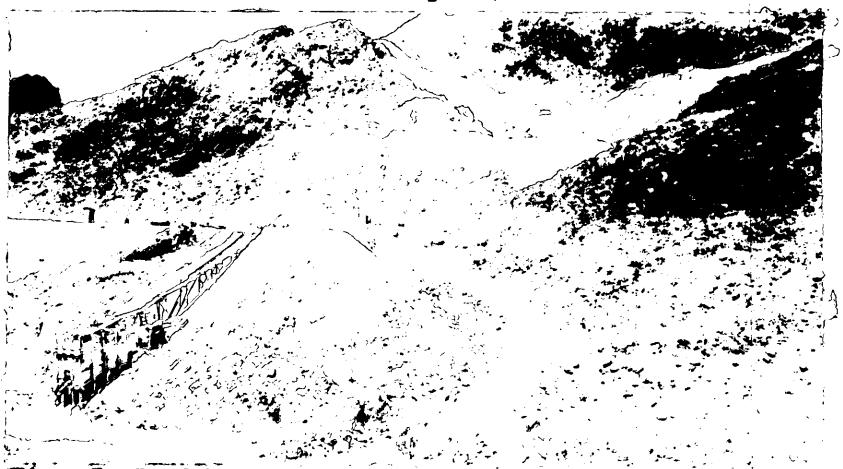


Fig. 5.-Looking northwesterly showing open cut workings at top and 1000-foot level dump. The 250-foot proposed adit will be at right edge of picture.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1661X, Arletta Talc Mine

Inyo County, Calif.

E. J. Matson, Mining Engineer
U. S. Bureau of Mines

August 3, 1951

DOCKET DMA-1661X

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

ARLETTA TALC MINE
Inyo County, Calif.

SUMMARY

The Arletta Talc property is one of a number of small talc deposits situated near the southern end of Death Valley National Monument, Calif. The deposit has been opened by a 60-foot adit and some small open cuts. However, no talc has been shipped from it and no ore has been blocked out.

The talc is in a steeply dipping highly metamorphosed formation. Small talc outcroppings can be traced over a considerable distance of the strike length of the zone.

The property is easily reached from Shoshone, the nearest trading center.

INTRODUCTION

The Arletta Talc mine was briefly visited on July 12, 1951 in connection with an application for exploration assistance submitted by E. O. Moon, 4233 Berryman Ave., Culver City, Calif.

The original application called for exploration assistance on both the Arletta and Monarch Talc properties. However, the applicant withdrew the request for exploration assistance on the Arletta deposit and is concentrating his efforts on the Monarch property.

This report briefly describes the Arletta deposit, supplemented by photographs and sketch.

LOCATION

The Arletta Talc mine is in Southern Inyo County, Calif., near the southeastern border of Death Valley National Monument. It is in the east central portion T. 20 N., R. 6 E., and is reached by driving south 15 miles from Shoshone on State Highway 127 to a road fork and thence traversing westerly 3.6 miles on a bladed dirt road to the deposit. Total distance from Shoshone is 18.6 miles.

HISTORY AND OWNERSHIP

It is one of a series of claims known as the Arletta Group Block, talc claims owned by Messrs. Corey and Morris, under the name of Monarch Talc Mine, 612 South Flower Street, Los Angeles 17, Calif.

No history of the property is known except that no production has been recorded and very little development work has been done. The applicant for the loan only wanted to lease this one claim and had no other history to relate in regard to it.

PHYSICAL FEATURES

The deposit is in the southeast flank of the Amargosa Range of mountains in an area of rugged relief (fig. 2) and (fig. 4). Mean altitude is about 1,600 feet. The area is practically devoid of vegetation with dry, hot summers and mild winters. No water or housing facilities are on the property.

DESCRIPTION OF THE DEPOSIT

The deposit is in the same generalized talc belt formation as that of the Monarch mine and is about 4½ miles easterly along the strike. The formations are highly metamorphosed and dipping at about 73° S.E. with a general N. 35° E. strike. (Figs. 2, 3, and 4).

The talc appears to be replacement in strips of dolomite within the zone. The country rock is a fine grained, reddish brown siliceous rock, probably hornfels. More geologic study is required to determine the exact rock characteristics.

The talc is a white massive block variety. Figure 3 shows the occurrence in place.

MINE DEVELOPMENT

Very little development has been done at the property. Chief work consists of a tunnel driven along the shear zone for a distance of 60 feet. A small open cut also has been excavated crosscutting to the shear zone as seen by figure 1. Other small pits along the general strike have been excavated as shown by figure 2.

PRODUCTION

According to the amount of development done, no talc has been shipped. A small stack of sorted talc blocks (about two tons) are at the portal of the adit as shown by figure 2.

SAMPLING

Three character samples of the talc were taken in the adit as shown by figure 1 and are designated as samples 4, 5 and 6. Sample No. 4 was across a three foot width in the face of the adit. Sample No. 5 was picked down from the back. Sample No. 6 was across a three foot width in an open cut. Sample locations are shown on attached sketch. The samples were sent to the Minerals Technical Division, Region VIII, College Park, Maryland for analyses, especially to determine whether the talc is of steatite grade.

The returns from the petrographic and spectroscopic tests made on the above samples at College Park showed that they could not be

classified as steatite talc. The report states:

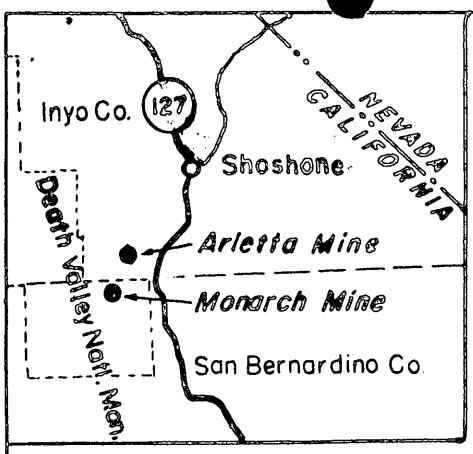
"These samples are green to grayish white, massive, hard, siliceous or gritty feel, and show laminations. Calcium and iron are greater than 1 percent by spectroscopic determination. The major impurities are calcite and dolomite with minor amounts of tremolite, hematite and opaques. The calcite and dolomite are more abundant in these samples than they are in the samples from the Monarch talc mine. They are unsuitable for block talc used as insulators."

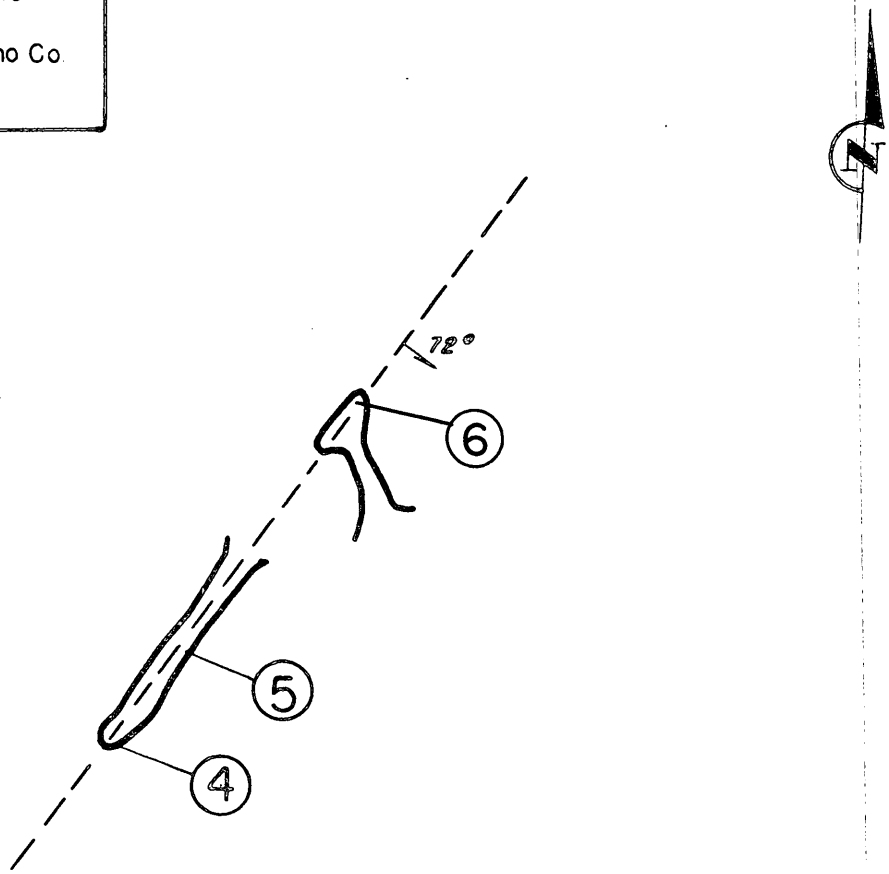
ORE RESERVES

The zone can be traced on surface for about 400 feet and apparently extends much farther. However, the mineralization is irregular with ragged outlines. No work has been done to block out any ore. About 3,000 tons is indicated by the present development. Inferred ore could be several times that much.

CONCLUSIONS

The applicant does not plan to do any work on this property and therefore no recommendations are required. However, the talc is not steatite grade and an exploration loan is not recommended.





0 25 50

SCALE FT.

(5)— *Sample Number*

ARLETTA MINE INYO COUNTY, CALIFORNIA

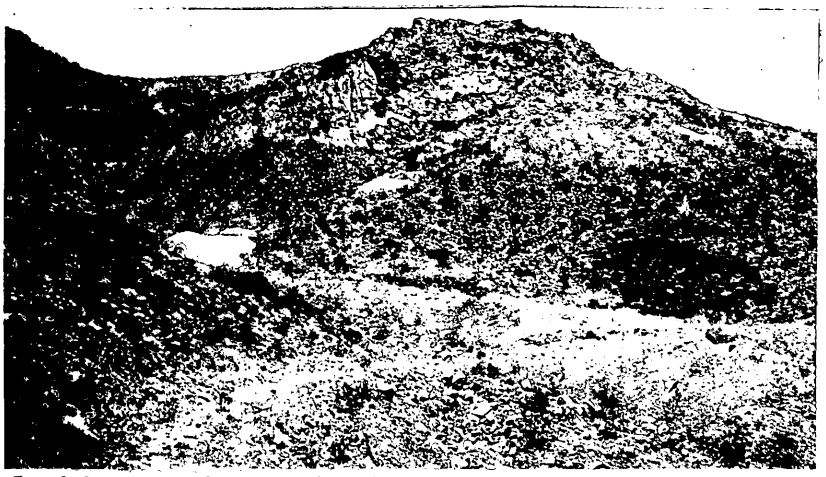


Fig. 2.-Looking northwest showing talc outcroppings. Dump at left is from the main Arletta adit. Small stack of sorted ore can be seen above dump.

Fig. 3.-Looking southwest along mineralized zone. Main Arletta adit in bottom of picture. Small pit directly above.

Fig. 4.-Looking northeast from Arletta adit along mineralized zone. Note steep dip of beds.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1661X, Arletta Talc Mine

Inyo County, Calif.

E. J. Matson, Mining Engineer
U. S. Bureau of Mines

August 5, 1951

DOCKET DMA-1661X

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

ARLETTA TALC MINE
Inyo County, Calif.

SUMMARY

The Arletta Talc property is one of a number of small talc deposits situated near the southern end of Death Valley National Monument, Calif. The deposit has been opened by a 60-foot adit and some small open cuts. However, no talc has been shipped from it and no ore has been blocked out.

The talc is in a steeply dipping highly metamorphosed formation. Small talc outcroppings can be traced over a considerable distance of the strike length of the same.

The property is easily reached from Shoshone, the nearest trading center.

INTRODUCTION

The Arletta Talc mine was briefly visited on July 12, 1951 in connection with an application for exploration assistance submitted by E. O. Moon, 4253 Berryman Ave., Culver City, Calif.

The original application called for exploration assistance on both the Arletta and Monarch Talc properties. However, the applicant withdrew the request for exploration assistance on the Arletta deposit and is concentrating his efforts on the Monarch property.

This report briefly describes the Arletta deposit, supplemented by photographs and sketch.

LOCATION

The Arletta Talc mine is in Southern Inyo County, Calif., near the southeastern border of Death Valley National Monument. It is in the east central portion T. 20 N., R. 6 E., and is reached by driving south 15 miles from Shoshone on State Highway 127 to a road fork and thence traversing westerly 3.6 miles on a bladed dirt road to the deposit. Total distance from Shoshone is 18.6 miles.

HISTORY AND OWNERSHIP

It is one of a series of claims known as the Arletta Group Block, talc claims owned by Messrs. Corey and Morris, under the name of Monarch Talc Mine, 612 South Flower Street, Los Angeles 17, Calif.

No history of the property is known except that no production has been recorded and very little development work has been done. The applicant for the loan only wanted to lease this one claim and had no other history to relate in regard to it.

PHYSICAL FEATURES

The deposit is in the southeast flank of the Amargosa Range of mountains in an area of rugged relief (fig. 2) and (fig. 4). Mean altitude is about 1,600 feet. The area is practically devoid of vegetation with dry, hot summers and mild winters. No water or housing facilities are on the property.

DESCRIPTION OF THE DEPOSIT

The deposit is in the same generalized talc belt formation as that of the Monarch mine and is about 4½ miles easterly along the strike. The formations are highly metamorphosed and dipping at about 75° S.E. with a general N. 35° E. strike. (Figs. 2, 3, and 4).

The talc appears to be replacement in strips of dolomite within the zone. The country rock is a fine grained, reddish brown siliceous rock, probably hornfels. More geologic study is required to determine the exact rock characteristics.

The talc is a white massive block variety. Figure 3 shows the occurrence in place.

MINE DEVELOPMENT

Very little development has been done at the property. Chief work consists of a tunnel driven along the shear zone for a distance of 60 feet. A small open cut also has been excavated crosscutting to the shear zone as seen by figure 1. Other small pits along the general strike have been excavated as shown by figure 2.

PRODUCTION

According to the amount of development done, no talc has been shipped. A small stack of sorted talc blocks (about two tons) are at the portal of the adit as shown by figure 2.

SAMPLING

Three character samples of the talc were taken in the adit as shown by figure 1 and are designated as samples 4, 5 and 6. Sample No. 4 was across a three foot width in the face of the adit. Sample No. 5 was picked down from the back. Sample No. 6 was across a three foot width in an open cut. Sample locations are shown on attached sketch. The samples were sent to the Minerals Technical Division, Region VIII, College Park, Maryland for analyses, especially to determine whether the talc is of steatite grade.

The returns from the petrographic and spectroscopic tests made on the above samples at College Park showed that they could not be

classified as steatite talc. The report states:

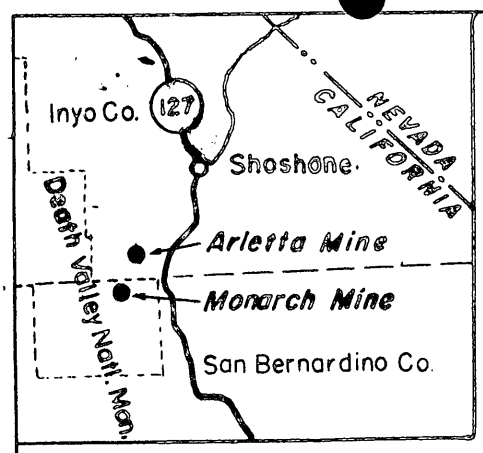
"These samples are green to grayish white, massive, hard, siliceous or gritty feel, and show laminations. Calcium and iron are greater than 1 percent by spectroscopic determination. The major impurities are calcite and dolomite with minor amounts of tremolite, hematite and opaques. The calcite and dolomite are more abundant in these samples than they are in the samples from the Monarch talc mine. They are unsuitable for black talc used as insulators."

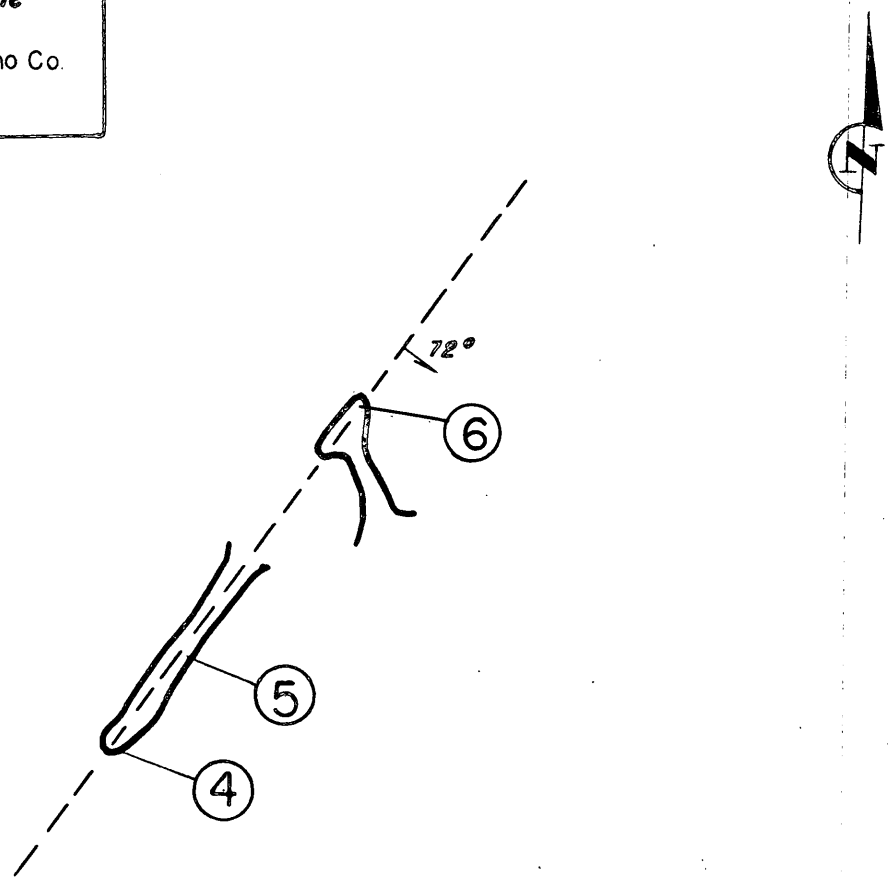
ORE RESERVES

The zone can be traced on surface for about 400 feet and apparently extends much farther. However, the mineralization is irregular with ragged outlines. No work has been done to block out any ore. About 5,000 tons is indicated by the present development. Inferred ore could be several times that much.

CONCLUSIONS

The applicant does not plan to do any work on this property and therefore no recommendations are required. However, the talc is not steatite grade and an exploration loan is not recommended.





0 25 50

SCALE FT.

(5)— *Sample Number*

ARLETTA MINE INYO COUNTY, CALIFORNIA

Fig. 2.-Looking northwest showing talc outcroppings. Dump at left is from the main Arletta adit. Small stack of sorted ore can be seen above dump.

Fig. 3.-Looking southwest along mineralized zone. Main Arletta adit in bottom of picture. Small pit directly above.

Fig. 4.-Looking northeast from Arletta adit along mineralized zone. Note steep dip of beds.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1661X, Arletta Talc Mine

Inyo County, Calif.

E. J. Mateen, Mining Engineer
U. S. Bureau of Mines

August 8, 1951

DOCKET DMA-1661X

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

ARLETTA TALC MINE
Inyo County, Calif.

SUMMARY

The Arletta Talc property is one of a number of small talc deposits situated near the southern end of Death Valley National Monument, Calif. The deposit has been opened by a 60-foot adit and some small open cuts. However, no talc has been shipped from it and no ore has been blocked out.

The talc is in a steeply dipping highly metamorphosed formation. Small talc outcroppings can be traced over a considerable distance of the strike length of the zone.

The property is easily reached from Shoshone, the nearest trading center.

INTRODUCTION

The Arletta Talc mine was briefly visited on July 12, 1951 in connection with an application for exploration assistance submitted by N. O. Moon, 4233 Berryman Ave., Culver City, Calif.

The original application called for exploration assistance on both the Arletta and Monarch Talc properties. However, the applicant withdrew the request for exploration assistance on the Arletta deposit and is concentrating his efforts on the Monarch property.

This report briefly describes the Arletta deposit, supplemented by photographs and sketch.

LOCATION

The Arletta Talc mine is in Southern Inyo County, Calif., near the southeastern border of Death Valley National Monument. It is in the east central portion T. 20 N., R. 6 E., and is reached by driving south 15 miles from Shoshone on State Highway 127 to a road fork and thence traversing westerly 3.6 miles on a bladed dirt road to the deposit. Total distance from Shoshone is 18.6 miles.

HISTORY AND OWNERSHIP

It is one of a series of claims known as the Arletta Group Block, talc claims owned by Messrs. Corey and Morris, under the name of Monarch Talc Mine, 612 South Flower Street, Los Angeles 17, Calif.

No history of the property is known except that no production has been recorded and very little development work has been done. The applicant for the lease only wanted to lease this one claim and had no other history to relate in regard to it.

PHYSICAL FEATURES

The deposit is in the southeast flank of the Amargosa Range of mountains in an area of rugged relief (fig. 2) and (fig. 4). Mean altitude is about 1,600 feet. The area is practically devoid of vegetation with dry, hot summers and mild winters. No water or housing facilities are on the property.

DESCRIPTION OF THE DEPOSIT

The deposit is in the same generalized talc belt formation as that of the Monarch mine and is about 4½ miles easterly along the strike. The formations are highly metamorphosed and dipping at about 73° S.E. with a general N. 35° E. strike. (Figs. 2, 3, and 4).

The talc appears to be replacement in strips of dolomite within the zone. The country rock is a fine grained, reddish brown siliceous rock, probably hornfels. More geologic study is required to determine the exact rock characteristics.

The talc is a white massive block variety. Figure 3 shows the occurrence in place.

MINE DEVELOPMENT

Very little development has been done at the property. Chief work consists of a tunnel driven along the shear zone for a distance of 60 feet. A small open cut also has been excavated crosscutting to the shear zone as seen by figure 1. Other small pits along the general strike have been excavated as shown by figure 2.

PRODUCTION

According to the amount of development done, no talc has been shipped. A small stack of sorted talc blocks (about two tons) are at the portal of the adit as shown by figure 2.

SAMPLING

Three character samples of the talc were taken in the adit as shown by figure 1 and are designated as samples 4, 5 and 6. Sample No. 4 was across a three feet width in the face of the adit. Sample No. 5 was picked down from the back. Sample No. 6 was across a three feet width in an open cut. Sample locations are shown on attached sketch. The samples were sent to the Minerals Technical Division, Region VIII, College Park, Maryland for analyses, especially to determine whether the talc is of steatite grade.

The returns from the petrographic and spectroscopic tests made on the above samples at College Park showed that they could not be

classified as steatite talc. The report states:

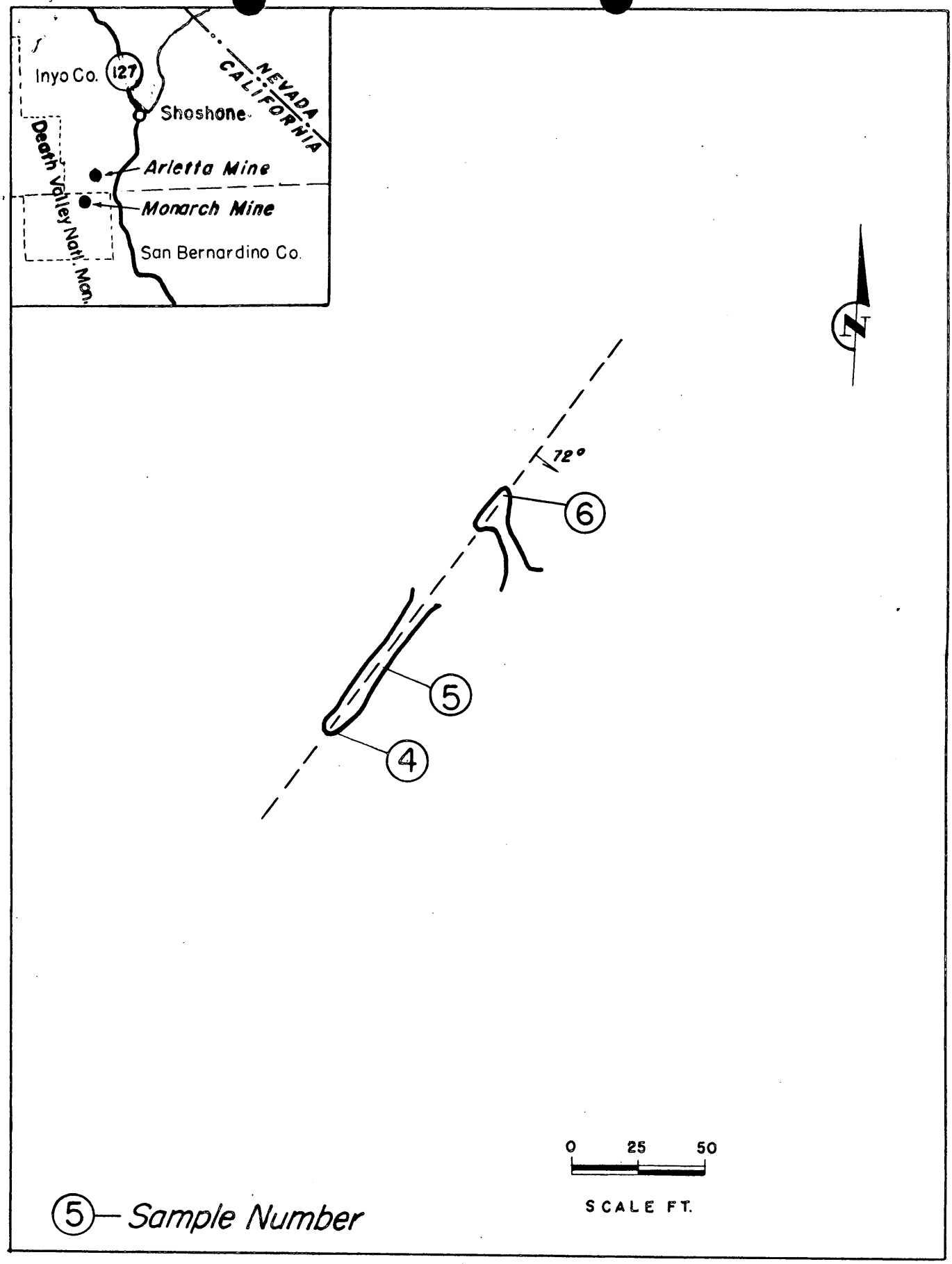
"These samples are green to grayish white, massive, hard, siliceous or gritty feel, and show laminations. Calcium and iron are greater than 1 percent by spectroscopic determination. The major impurities are calcite and dolomite with minor amounts of tremolite, hematite and opaques. The calcite and dolomite are more abundant in these samples than they are in the samples from the Monarch talc mine. They are unsuitable for block talc used as insulators."

ORE RESERVES

The zone can be traced on surface for about 400 feet and apparently extends much farther. However, the mineralization is irregular with ragged outlines. No work has been done to block out any ore. About 3,000 tons is indicated by the present development. Inferred ore could be several times that much.

CONCLUSIONS

The applicant does not plan to do any work on this property and therefore no recommendations are required. However, the talc is not steatite grade and an exploration loan is not recommended.



ARLETTA MINE INYO COUNTY, CALIFORNIA

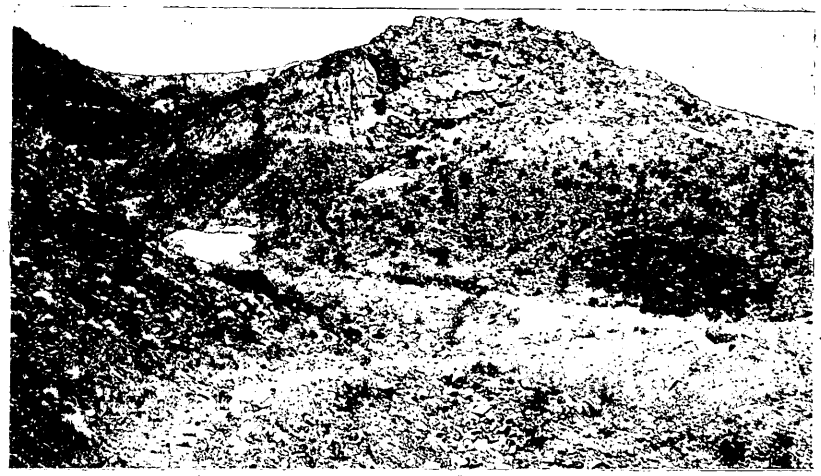


Fig. 2.-Looking northwest showing talc outcroppings. Dump at left is from the main Arletta adit. Small stack of sorted ore can be seen above dump.

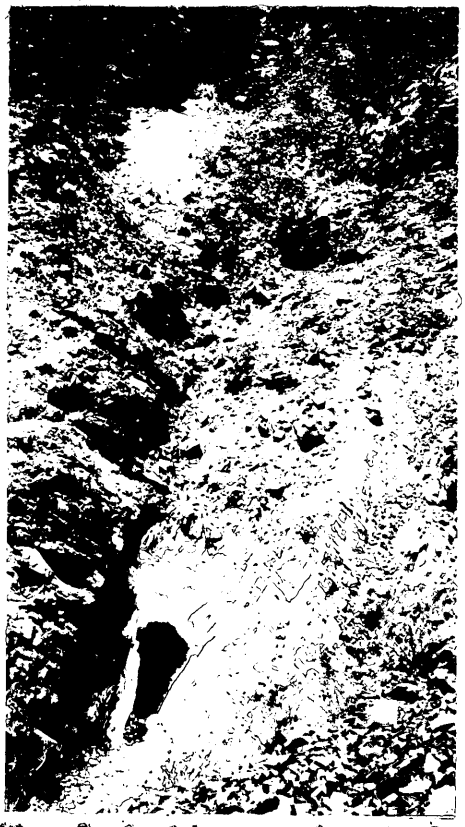


Fig. 3.-Looking southwest along mineralized zone. Main Arletta adit in bottom of picture. Small pit directly above.

Fig. 4.-Looking northeast from Arletta adit along mineralized zone. Note steep dip of beds.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1661X, Monarch Talc Mine

San Bernardino Co., Calif.

E. J. Matson, Mining Engineer
U. S. Bureau of Mines

August 8, 1951

DOCKET DMA-1661X

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

MONARCH TALC MINE
San Bernardino Co., Calif.

SUMMARY

The Monarch Talc mine, San Bernardino County, Calif. was examined by an engineer[1] of the Bureau of Mines, Region III, on July 10, 11 and 12, 1951, accompanied by E. O. Moom, applicant, for a Government loan.

The property is in the southern end of Death Valley National Monument and has been a producer of talc ore for a number of years. According to Mr. Moom, the property has produced an estimated 100,000 tons of talc suitable for use in paints, textiles and the ceramic industry.

The mine has been operated chiefly by lessees and for the past few years has been idle. The underground excavations have not been kept timbered properly and workings have sloughed to a point where rehabilitation of the old workings would now be too costly. The applicant proposes to drive an adit to intersect the northern extension of the talc zone and an inclined shaft to intersect the southern extension.

INTRODUCTION

This report covers an examination of the Monarch Talc mine, San Bernardino County, Calif., in regard to an application for exploration assistance. The amount of loan requested is $9,768 and the commodity

1/ E. J. Matson.

is talc (steatite).

LOCATION

The Monarch Talc mine is located in T. 19 N., R. 5 E., northern San Bernardino County close to the southern border of Inyo County. It is also in the southern end of Death Valley National Monument.

The property is reached by traveling south on State Highway 127 from Shoshone to the Ibex Spring turn-off a distance of about 20 miles and thence about 6 miles westerly or a total of about 26 miles south-westerly from Shoshone.

HISTORY

The Monarch talc mine is owned by Messers Morris and Corey of Los Angeles under the name of Monarch Talc Mines, 612 South Flower Street, Los Angeles 17, Calif. The property has been operated mostly by leasers for many years; the last lessee being the Sierra Talc and Clay Co. of Los Angeles. The property consists of four unpatented lode claims known as Monarch Nos. 1 to 4 inclusive. It is estimated the mine has produced about 100,000 tons talc ore. The property has been idle for the past several years.

Recently Mr. E. O. Moen, 4233 Berryman Ave., Culver City, Calif., has obtained a lease on the property and is attempting to secure a Government loan to explore for extensions of the talc mineralization.

PHYSICAL FEATURES

The property is located on the eastern side and the southern end of the Amargosa range of the Black Mountains at elevations varying from 900 to 1200 feet. The topography is fairly rugged with V-shaped drainage gulches cut by erosion on the slopes (fig. 2). The area is devoid

of vegetation except for sparse desert grass. Summers are exceedingly hot and dry, while winters are mild and cool. Snow seldom falls and precipitation usually occurs as water during the winter months.

LABOR AND HOUSING

The applicant proposes to repair an existant building at a site near Ibex Spring for miners quarters during the exploration work.. The building is made of stone and has two ends and one side.

About 450 feet of 2-inch pipe is required to transport drinking water to the campsite. Ibex Spring or the campsite is about two miles from the mine. It is the applicant's opinion that he can keep his men on the job by allowing them to stay at the campsite and do their own batching.

DESCRIPTION OF THE DEPOSIT

The talc is a replacement in dolomitic limestone occurring between a dolomitic footwall and a greenstone hanging wall. Average strike of the mineralization is about N. 12° E. with a 50° dip to the east (fig.3). Some places in the mine it is reported to be as much as 100 feet wide and averages 40 to 50 feet in width. The talc is a white fibrous variety, soft and crumbly, suitable grinding from which ceramic products can be made. Some of the talc is also massive but would not stand machining.

MINE WORKINGS

The mine workings are mostly caved and inaccessible. Only the main adits are open for examination. The property has been worked partly by open cut method and underground excavations using square sets, cut and fill, and open stope methods. Main adits are on the 940,

1000, and 1064 foot levels. However, numerous raises and winzes with sub-levels were used in mining out ore sections. Drifts are very irregular as shown by figure 1. Much timbering has been consumed in the mine. Most of the stopes are timbered with square sets. Open stopes soon cave unless timbered. Approximately 2,000 linear feet of drifts, crosscuts, raises and winzes have been driven at the mine.

SAMPLING

Character samples were taken in the Monarch mine to determine the grade of talc to be mined. Samples 1 and 2 were picked down from the exposed zone. Sample No. 3 was gouged from the open cut. No true hanging or footwall was encountered in the sampling, the zone is relatively wide. Figure No. 1 shows the sample locations.

The samples were sent to the Bureau of Mines laboratory at College Park, Maryland, for analyses to determine if they were of steatite grade.

Petrographic and spectroscopic tests made at College Park on the samples taken from the Monarch Talc mine showed that they could not be classified as steatite talc. The report states:

"These samples are white, soft and strongly foliated. Calcium, potassium and iron are greater than 1 percent by spectroscopic determination. The major impurities are calcite and dolomite (approximately 5%) with minor amounts of sericite, hematite, opaques and tremolite."

SURFACE EQUIPMENT

No mine equipment is at the property except an ore bin and a small frame structure suitable for a blacksmith shop (figs. 4 and 5).

ORE RESERVES

Since the mine was inaccessible for examination for revaluation of ore reserves, no reliable estimate can be made.

New ore must be found on the extensions of the old workings. It is reasonable to expect that additional talc will be found as extensions of the original ore zone.

PROPOSAL OF EXPLORATION BY APPLICANT

The applicant proposes to explore for continuation of talc by driving an adit 250 feet in length at the northwest extension of the mineralization as shown by figure 1. Also he proposes to encounter further mineralization on the southeast extension of the deposit (fig. 1).

CONCLUSIONS

The possibility of finding additional talc mineralization is favorable especially the type used in the paint and textile industry.

It is unlikely that an exploration program would indicate steatite talc, therefore, a lease is not recommended.

DISCUSSION

The applicant believes that he can complete the exploration in six months time. Supervision will be conducted by himself and will include actual work, such as, part time operation of the hoist, mucking, mining, etc. In other words, he claims that he will work and not be a fixture. The applicant is capable, both physically and mentally, to conduct the work.

The applicant is a lessee but has not included the subordination agreement forms MF-201 and MF-202. However, he has promised to submit them to this office at a later date and will be attached to this report when received.

The applicant also had another talc deposit about 5 miles (air-

line) northerly from the Monarch mine which was called the Arletta Mine. It comprised only one claim with some shallow workings. However, the applicant decided to drop the Arletta deposit and to concentrate his work on the Monarch property.

Fig. 2.-Looking northwest, towards Black Mountains, Monarch Mine location in center. White formations are talc outcroppings and dumps.

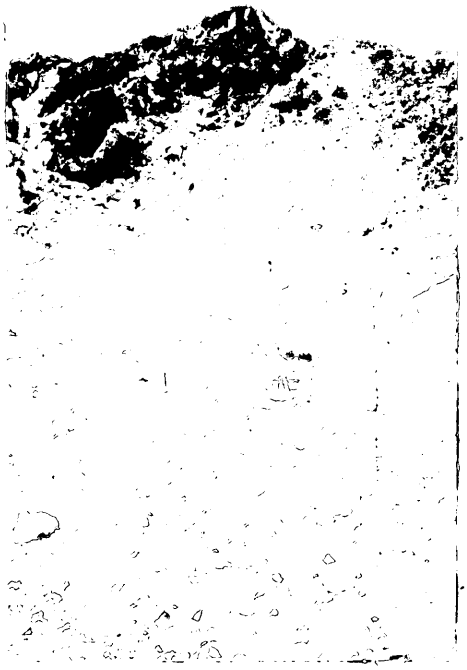


Fig. 3.- Looking south from open pit showing ore zone.

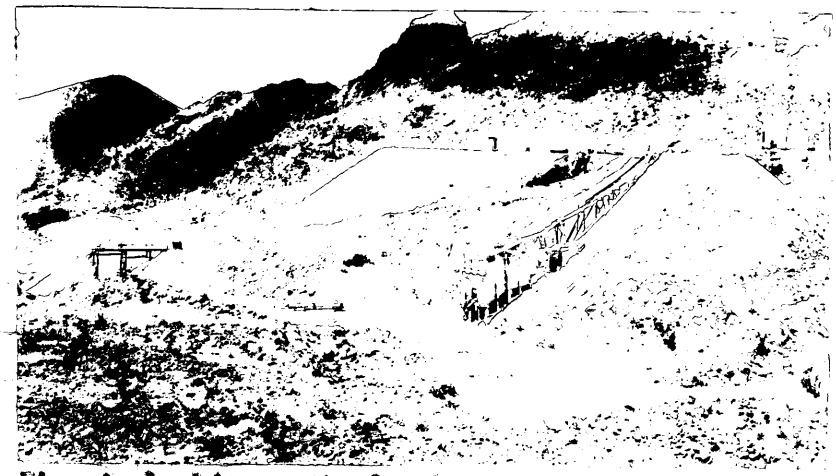


Fig. 4.-Looking westerly showing portion of open cuts at upper right; 1000-foot level dump in center; and 940-foot level at lower left. The proposed 30° incline shaft will be at the 940-foot level and at the far left extreme of picture.

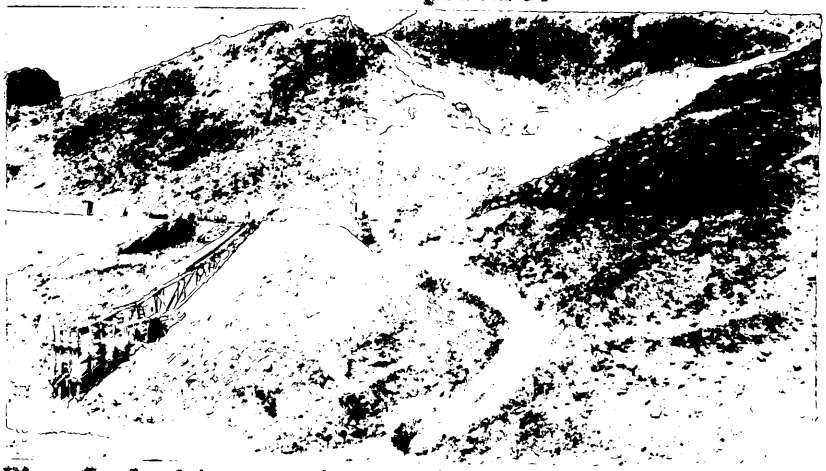


Fig. 5.-Looking northwesterly showing open cut workings at top and 1000-foot level dump. The 250-foot proposed adit will be at right edge of picture.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1061X, Monarch Talc Mine

San Bernardino Co., Calif.

E. J. Matson, Mining Engineer
U. S. Bureau of Mines

August 3, 1951

DOCKET DMA-1661X

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

MONARCH TALC MINE
San Bernardino Co., Calif.

SUMMARY

The Monarch Talc mine, San Bernardino County, Calif. was examined by an engineer[1] of the Bureau of Mines, Region III, on July 10, 11 and 12, 1951, accompanied by E. O. Moen, applicant, for a Government loan.

The property is in the southern end of Death Valley National Monument and has been a producer of talc ore for a number of years. According to Mr. Moen, the property has produced an estimated 100,000 tons of talc suitable for use in paints, textiles and the ceramic industry.

The mine has been operated chiefly by lessees and for the past few years has been idle. The underground excavations have not been kept timbered properly and workings have sloughed to a point where rehabilitation of the old workings would now be too costly. The applicant proposes to drive an adit to intersect the northern extension of the talc zone and an inclined shaft to intersect the southern extension.

INTRODUCTION

This report covers an examination of the Monarch Talc mine, San bernardino County, Calif., in regard to an application for exploration assistance. The amount of loan requested is $9,768 and the commodity

1/ E. J. Matson.

is talc (steatite).

LOCATION

The Monarch Talc mine is located in T. 19 N., R. 5 E., northern San Bernardino County close to the southern border of Inyo County. It is also in the southern end of Death Valley National Monument.

The property is reached by traveling south on State Highway 127 from Shoshone to the Ibex Spring turn-off a distance of about 20 miles and thence about 6 miles westerly or a total of about 26 miles southwesterly from Shoshone.

HISTORY

The Monarch talc mine is owned by Messers Morris and Corey of Los Angeles under the name of Monarch Talc Mines, 617 South Flower Street, Los Angeles 17, Calif. The property has been operated mostly by lessors for many years; the last lessee being the Sierra Talc and Clay Co. of Los Angeles. The property consists of four unpatented lode claims known as Monarch Nos. 1 to 4 inclusive. It is estimated the mine has produced about 100,000 tons talc ore. The property has been idle for the past several years.

Recently Mr. E. O. Moon, 4255 Berryman Ave., Culver City, Calif., has obtained a lease on the property and is attempting to secure a Government loan to explore for extensions of the talc mineralization.

PHYSICAL FEATURES

The property is located on the eastern side and the southern end of the Amargosa range of the Black Mountains at elevations varying from 900 to 1800 feet. The topography is fairly rugged with V-shaped drainage gulches cut by erosion on the slopes (fig. 2). The area is devoid

of vegetation except for sparse desert grass. Summers are exceedingly hot and dry, while winters are mild and cool. Snow seldom falls and precipitation usually occurs as water during the winter months.

LABOR AND HOUSING

The applicant proposes to repair an existant building at a site near Ibex Spring for miners quarters during the exploration work.. The building is made of stone and has two ends and one side.

About 450 feet of 2-inch pipe is required to transport drinking water to the campsite. Ibex Spring or the campsite is about two miles from the mine. It is the applicant's opinion that he can keep his men on the job by allowing them to stay at the campsite and do their own batching.

DESCRIPTION OF THE DEPOSIT

The talc is a replacement in dolomitic limestone occurring between a dolomitic footwall and a greenstone hanging wall. Average strike of the mineralization is about N. 12° E. with a 80° dip to the east (fig.3). Some places in the mine it is reported to be as much as 100 feet wide and averages 40 to 50 feet in width. The talc is a white fibrous variety, soft and crumbly, suitable grinding from which ceramic products can be made. Some of the talc is also massive but would not stand machining.

MINE WORKINGS

The mine workings are mostly caved and inaccessible. Only the main adits are open for examination. The property has been worked partly by open cut method and underground excavations using square sets, cut and fill, and open stope methods. Main adits are on the 940,

1000, and 1064 foot levels. However, numerous raises and winzes with sub-levels were used in mining out ore sections. Drifts are very irregular as shown by figure 1. Much timbering has been consumed in the mine. Most of the stopes are timbered with square sets. Open stopes soon cave unless timbered. Approximately 2,000 linear feet of drifts, crosscuts, raises and winzes have been driven at the mine.

SAMPLING

Character samples were taken in the Monarch mine to determine the grade of talc to be mined. Samples 1 and 2 were picked down from the exposed zone. Sample No. 3 was gouged from the open cut. No true hanging or footwall was encountered in the sampling, the zone is relatively wide. Figure No. 1 shows the sample locations.

The samples were sent to the Bureau of Mines laboratory at College Park, Maryland, for analyses to determine if they were of steatite grade.

Petrographic and spectroscopic tests made at College Park on the samples taken from the Monarch Talc mine showed that they could not be classified as steatite talc. The report states:

"These samples are white, soft and strongly foliated. Calcium, potassium and iron are greater than 1 percent by spectroscopic determination. The major impurities are calcite and dolomite (approximately 8%) with minor amounts of sericite, hematite, opaques and tremolite."

SURFACE EQUIPMENT

No mine equipment is at the property except an ore bin and a small frame structure suitable for a blacksmith shop (figs. 4 and 5).

ORE RESERVES

Since the mine was inaccessible for examination for revaluation of ore reserves, no reliable estimate can be made.

New ore must be found on the extensions of the old workings. It is reasonable to expect that additional talc will be found as extensions of the original ore zone.

PROPOSAL OF EXPLORATION BY APPLICANT

The applicant proposes to explore for continuation of talc by driving an adit 250 feet in length at the northwest extension of the mineralization as shown by figure 1. Also he proposes to encounter further mineralization on the southeast extension of the deposit (fig. 1).

CONCLUSIONS

The possibility of finding additional talc mineralization is favorable especially the type used in the paint and textile industry.

It is unlikely that an exploration program would indicate steatite talc, therefore, a loan is not recommended.

DISCUSSION

The applicant believes that he can complete the exploration in six months time. Supervision will be conducted by himself and will include actual work, such as, part time operation of the hoist, mucking, mining, etc. In other words, he claims that he will work and not be a fixture. The applicant is capable, both physically and mentally, to conduct the work.

The applicant is a lessee but has not included the subordination agreement forms MF-201 and MF-202. However, he has promised to submit them to this office at a later date and will be attached to this report when received.

The applicant also had another talc deposit about 8 miles (air-

line) northerly from the Monarch mine which was called the Arletta Mine. It comprised only one claim with some shallow workings. However, the applicant decided to drop the Arletta deposit and to concentrate his work on the Monarch property.

Fig. 2.-Looking northwest, towards Black Mountains, Monarch Mine location in center. White formations are talc outcroppings and dumps.

Fig. 3.- Looking south from open pit showing ore zone.

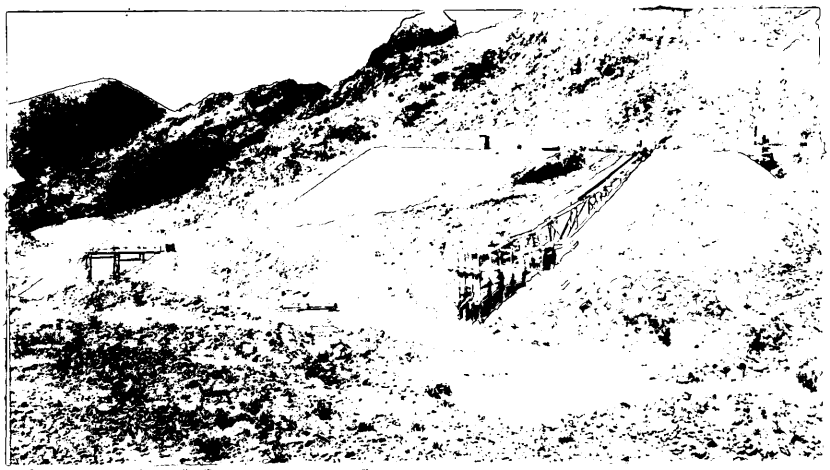


Fig. 4.-Looking westerly showing portion of open cuts at upper right; 1000-foot level dump in center; and 940-foot level at lower left. The proposed 30° incline shaft will be at the 940-foot level and at the far left extreme of picture.

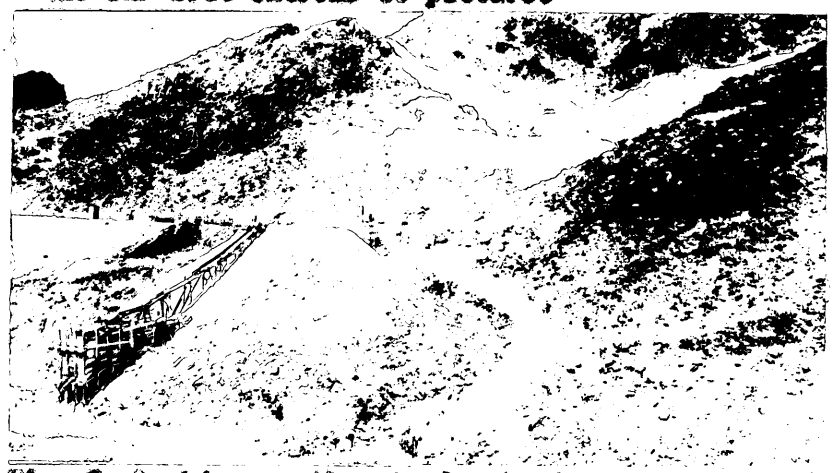


Fig. 5.-Looking northwesterly showing open cut workings at top and 1000-foot level dump. The 250-foot proposed adit will be at right edge of picture.

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner ~~XXXXXXXXX~~ of that certain parcel of ground in the county of San Bernardino, State of California, described in a certain Exploration Project Contract dated _____, 195__, between E. O. Moon, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated July 1, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 27th day of July, 1951.

The undersigned, RALPH H. MORRIS, pursuant to and in accordance with the provisions and authority given to him under the agreement among the Lessors dated the 1st day of October, 1940, foregoing agreement of lease.

RALPH H. MORRIS and ARLETTA M. MORRIS, his wife, HANNA B. YEOMAN, a widow, WILLIAM SPENCER COREY and GLADYS COREY, his wife, and W. C. HASTINGS and ALICE HASTINGS, his wife.

LESSORS

By Ralph H. Morris

U. S. GOVERNMENT PRINTING OFFICE 940768

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner ~~XXXXXXXXX~~ of that certain parcel of ground in the county of San Bernardino, State of California, described in a certain Exploration Project Contract dated _____, 195___, between E. O. Moon, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated July 1, 1951, _____, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 27th day of July, 1951

The undersigned, Ralph H. Morris, pursuant to and in accordance with the provisions and authority given to him under the agreement among the Lessors dated the 1st day of October, 1940, foregoing agreement of lease.

U. S. GOVERNMENT PRINTING OFFICE 940768

RALPH H. MORRIS And ARLETTA M. MORRIS, his wife, HANNA B. YEOMAN, a widow, WILLIAM SPENCER COREY and GLADYS COREY, his wife, and W. C. HASTINGS, and ALICE HASTINGS, his wife.

LESSORS

By Ralph H Morris

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner ~~in fee simple~~ of that certain parcel of ground in the county of San Bernardino, State of California, described in a certain Exploration Project Contract dated ____________, 195__, between E. O. Moon, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated July 1, 1951 ____________, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 27th day of July, 1951

The undersigned RALPH H. MORRIS, pursuant to and in accordance with the provisions and authority given to him under the agreement among the Lessors dated the 1st day of October, 1940, foregoing agreement of lease.

RALPH H. MORRIS and ARLETTA M. MORRIS, his wife, HANNA B. YEOMAN, a widow, WILLIAM SPENCER COREY and GLADYS COREY, his wife, and W. C. HASTINGS and ALICE HASTINGS, his wife.

U. S. GOVERNMENT PRINTING OFFICE 940768

LESSORS

By Ralph H Morris

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner XXXXXXXXXX of that certain parcel of ground in the county of San Bernardino, State of California, described in a certain Exploration Project Contract dated ....., 195..., between E. O. Moon, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated July 1, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 27th day of July, 1951

The undersigned RALPH H. MORRIS, pursuant to and in accordance with the provisions and authority given to him under the agreement among the Lessors dated the 1st day of October, 1940, foregoing agreement of lease.

RALPH H. MORRIS and ARLETTA M. MORRIS his wife, HANNA B. YEOMAN, a widow, WILLIAM SPENCER COREY and GLADYS COREY, his wife, and W. C. HASTINGS and ALICE HASTINGS, his wife.

LESSORS

By Ralph H Morris

U. S. GOVERNMENT PRINTING OFFICE 940768

OPTION AND LEASE

THIS AGREEMENT, made and entered into as of the July 1st day of July, 1951, by and between RALPH H. MORRIS and ARLETTA M. MORRIS, his wife, HANNA B. YEOMAN, a widow, WILLIAM SPENCER COREY and GLADYS COREY, his wife, and W. C. HASTINGS and ALICE HASTINGS, his wife, hereinafter for convenience collectively referred to as "Lessors", and E. O. Moon, hereinafter for convenience referred to as "Lessee".

W I T N E S S E T H:

WHEREAS, Lessors are the owners of the following described lode mining claim which they believe to contain talc and other valuable minerals, said claims being located in the Counties of San Bernardino and Inyo, California, and being described as;

1. Monarch Lode Claim located January 28, 1938, and recorded February 1, 1938 in Volume 51, page 105, of Mining Locations of Inyo County, California, and also recorded October 8, 1940, in Book 274, page 136 of Mining Records of San Bernardino County, California; excepting that portion of said claim which has been mined and upon which is now located drifts, tunnels, raises, and stopes. It being specifically understood and agreed that this Option and Lease only covers that portion of said claim upon which no mining work has heretofore been done.

2. Monarch Lode Claim No. 1 located February 25, 1941, and recorded March 3, 1941, in Book 273, page 286 of Mining Records of San Bernardino County, California; excepting that portion of said claim upon which is now located 3 tent buildings, one sheet iron building and one lean-to garage together with the right of ingress and egress thereto;

3. Monarch Lode Claim No.2 located February 25, 1941, and recorded March 4, 1941, in Book 273, page 286 of Mining Records of San Bernardino County, California, and also recorded March 4, 1941, Volume 54, page 332 of Mining Locations of Inyo County, California;

4. Monarch Lode Claim No. 3 located February 25, 1941, and recorded March 4, 1941, in Book 273, page 286 of Mining Records of San Bernardino County, California, and also recorded in Volume 54, page 334 of Mining Locations of Inyo County, California;

WHEREAS, Lessors are desirous of having said lode mining claims prospected and developed; and

WHEREAS, both parties are willing to proceed with such development upon the terms and conditions herein contained,

NOW, THEREFORE, in consideration of the mutual promises herein contained, the parties agree as follows:

1. The Lessors grant to the Lessee for one year from the date hereof an option upon the terms and conditions in this agreement hereinafter set forth to receive a mining lease in the form herein set forth of the lode mining claims above described.

2. Lessors herewith grant to Lessee the right to enter and take exclusive possession of said mining claims in order to prospect and explore, test and develop and work at its own discretion and at its own proper charge and expense said lode mining claims or any one or more of them, provided all work done or all improvements made by said Lessee under the terms hereof during the period of said option shall be done in a minerlike fashion to enable said premises and all thereof to be carefully operated.

3. All equipment, tools, machinery, and personal property of every nature and description brought or placed upon said premises prior to the exercise of said option by said Lessee shall not become a fixture but shall remain the property of the Lessee and subject to removal by the Lessee, and in the event said Lessee shall not exercise said option it shall be entitled to remove all of said. equipment, tools, machinery, and personal property from said premises within ninety (90) days from the expiration of said option.

4. The purpose of this agreement is to allow the Lessee a period of time within which to make certain exploration and investigation of said claims to determine whether it is justified in exercising the option of leasing said claims herein granted to it.

During said one year period, Lessee agrees, that during each calendar month beginning with the date of this option, its development work shall consist of not less that 25 feet of completed tunnels and/ or shafts. It is understood that if any talc is mined and removed from said premises Lessee agrees that it shall pay to the Lessors for any such talc.

(a) One Dollar and fifty cents ($1.50) per ton for all talc mined and removed from said premises:

(b) For all block or steatite talc mined and removed from said premises in the crude or lump form, ten per cent (10%) of the sale price.

5. If at or before the expiration of the period of one year the Lessee shall elect to exercise this option and to commence its operations under the mining lease herein contained, it shall notify the Lessors in writing of its election to exercise said option, giving notice thereof to the Lessors by depositing said written notice in any United States Post Office in the State of California, registered postage,prepaid, addressed to Ralph H. Morris, 612 South Flower Street, Los Angeles 17, California, or to such other address as may be furnished in writing by said Ralph H. Morris to the Lessee, and upon the giving of said written notice on or before the expiration of said one year period the Lessee shall thereafter have the right to immediately record this lease, and upon the giving of said notice the Lessee shall thereafter hold said premises in accordance with the terms of the lease hereinafter fully set forth.

In the event the Lessee shall elect not to exercise said option it shall peaceably surrender and turn over said premises to the Lessors in as good condition as they are now in, reasonable wear and tear excepted, and free and clear of any and all liens and encumbrances incurred by the Lessee in its operation on or about the same . In the event the Lessee shall not elect to excercise said above mentioned option, the Lessee agrees to deliver to the Lessors free and clear of expense copies of all data, plans, analysis and other reports that the Lessee shall have made or otherwise obtained in and about said premises during its possession under this option.

6. The Lessors hereby warrant that the hereinbefore described claims and premises covered hereby are free and clear of all encumbrances claims, liens and demands of other parties, that they are the sole and lawful owners of the same, and that they have the full right and authority to make this option and lease.

7. The Lessee during its possession of said property agrees to protect said property and all therof against all claims of labor and materialmen and against all liens and liabilities arising out of the acts of the Lessee upon said property, and to permit the Lessors to place and maintain such notices theron as shall be lawfully necessary to protect said Lessors against said claims.

8. It is understood and agreed during the possession of said claims under this option that Lessee shall permit the duly authorized representative of the Lessors to come upon the property at all reasonable times for the purpose of inspection and observing the performance of the Lessee hereunder.

9. It is understood and agreed that any time lost by reason of strikes, riots, acts of God or inevitable delays, is not to run against the time herein specified.

10. In the event Lessee exercises said option to operate said premises as provided above under the terms of this lease, the parties hereto agree that Lessors do grant, let and demise said leased premises to the Lessee and that the Lessee shall hold said claims and premises together with all cross and parallel lodes, spurs, and deposits of talc ore which may be uncovered, disclosed, or discovered within said claims and premises by Lessee, its successors and assigns, for the term of five (5) years from the date of the exercise of said option and for as long thereafter as Lessee continues mining operations for talc ore on the leased premises and/or produces and markets talc ore therefrom, upon the following terms and conditions:

(a) Lessee shall conduct all mining and other operations on the leased premises in a good and workmanlike manner, with due regard for the safety, development and preservation of the leased premises as a workable mine or mines.

(b) Lessee shall have the right to construct, establish and maintain on the leased premises such buildings, equipment, machinery, and other facilities and things as Lessee may desire in conducting

its operation on the leased premises, but all of such buildings, equipment, machinery, and other facilities and things owned and installed by Lessee shall be deemed to be the personal property of Lessee, and Lessee shall have the right at any time prior to ninety (90) days after the expiration or other terminations of this lease to remove the same, except that Lessee shall not remove any timbers in place or rails laid in the tunnel of any mine, or ore bunkers, on the leased premises nor any equipment or materials leased hereunder and presently located on the leased premises.

(c) Lessors ortheir agent shall have the right at any time and from time to time to enter upon and descend into all parts of the leased premises for the purposes of inspecting, making surveys, or taking samples therefrom and shall also have the right at any time to make an inspection and audit of any books and records of Lessee concerning the operation of said property, personally or by an accountant of Lessors' own choice.

(d) Lessee shall pay to Lessors as rent or royalty for said leased premises on or before the 15th day of each succeeding month after July 1st, 1951, the sum of $1.50 per ton (2,000 pounds) for all talc mined and removed from said premises, and the sum of ten per cent (10%) of the sale price per ton (2,000 pounds) for all block or steatite talc mined and removed from said premises during the same year.

5. Lessee agrees, for the purpose of checking all talc removed from the mine bins, that it will require one of its full or part-time employees to be designated by the Lessors to obtain from the trucking contractor a load slip executed in duplicate for each load that leaves the premises. One of these duplicate slips for each load leaving the premises will be mailed the Lessors by the Lessee at least once a week.

(e) All payments accruing to Lessors under the terms of this lease may be made by payment to Ralph H. Morris, or by depositing such payments to the credit of "Joint Adventure", at the Bank of America National Trust & Savings Association, Seventh and Olive, or its successor, which bank is hereby constituted the depository. Ralph H. Morris is authorized to receive all rental and royalty payment hereunder, give

acquittance, therefor, and otherwise act for Lessors in regard to any such payments and he may at any time or from time to time, upon thirty (30) days' written notice to Lessee, designate another bank or trust company in the State of California as depository for said payments, but at no time shall there be more than one such depository and in no event shall Lessee be obligated to issue more than one check per month covering the amount of payments due Lessors hereunder. Payment of said rental and royalty as in this paragraph (e) provided shall relieve Lessee from seeing to the proper distribution therof among the parties entitled thereto.

(f) Lessee, at its sole cost and expense, shall pay for all labor performed and materials furnished in the operations of Lessee hereunder on the leased premises. Lessee shall protect the leased premises against liens of every character arising from Lessee's operations and shall hold Lessors harmless from and against all claims or demands of third parties arising out of any such liens.

(g) Lessors hereby warrant that the hereinbefore described claims and premises covered thereby are free and clear of all encumbrances, liens, claims and demands of any other parties, that they are the sole and lawful owners of the same, and that they have full right and authority to make this lease. In event any action is brought at law or in equity by any third parties claiming title to the leased premises or any part thereof or any interest therin or any of the ores mined therefrom adverse to Lessors, or claiming any estate or interest under or through any Lessor in hostility to rights claimed in good faith by Lessee under this lease, then during the pendency of such action and until thirty (30) days after final determination thereof, Lessee may defer or discontinue all operations on the leased premises or may defer payment of all rentals and royalties accruing hereunder until final settlement of such litigation.

During the period of this lease Lessors agree not to mortgage, hypothecate, or otherwise encumber their claims or rights hereunder,

(h) All taxes assessed against the leased premises for ores mined therefrom under the premises of this lease shall be paid by Lessee. Lessee shall faithfully perform all assessment work on said property necessary to keep title to said claims in good standing, making and recording all necessary affidavits and notices, and furnishing Lessors with definite proof of the genuineness of said work and said records.

(i) This lease shall not terminate as a result of any failure of Lessee to perform any of its obligations hereunder until thrity (30) days after written notice from Lessors demanding the performance of such obligations and the failure of Lessee to comply therwith; provided that if Lessee fails to perform any of its obligations specified in such written notice prior to the expiration of said thirty (30) day period, then this lease shall ipso facto cease and terminate and all obligations of the parties hereto, one to the other, shall thereupon be at an end. Forfeiture shall be the sole remedy of Lessors for failure of Lessee to comply with any of its obligations hereunder except such as relate to the payment of rental and royalty at such time due Lessors as provided herein and the faithful and full performance by the Lessee of all of its obligations hereunder at the time of such forfeiture.

(j) Performance of the obligations of Lessee hereunder or any thereof may be delayed or suspended so long as Lessee is hindred in or prevented from performance by act of God, war, accident, strike, lockout, delays in transportation, operations of law, interference of governmental authority, or any other cause beyond the reasonable control of Lessee whether or not similar to the causes hereinbefore enumerated. It is recognized by the parties hereto that the orders, rules, and regulations of the Division of Industry Operations, the War Production Board, and other federal boards and agencies may affect and/or modify the respective rights, privileges, benefits, duties, and/or obligations reserved, imposed, and/or granted to the parties hereto under the terms and provisions of this lease, and accordingly, it is understood and agreed by all parties hereto that any

and all such rights, privileges, benefits, duties, and obligations shall be ipso facto modified to conform to any and all State and Federal laws, and acts, orders, rules, and regulations promulgated pursuant thereto, now in force or hereafter enacted and/or prescribed by any governmental body or agency having or claiming to have jurisdiction in the premises with respect to prospecting, mining, and developing of mining properties.

(k) Lessee shall have no right to assign its interest or any part thereof under this lease without the written consent of the Lessors.

(l) Lessee shall have the right to quitclaim the demised premises to Lessors at any time during the period of this agreement, upon giving the Lessors thirty (30) days written notice thereof, and the payment of the royalty if any due Lessors.

(m) Any notice to be given or instrument to be delivered by either party to the other hereunder may be given or tendered by depositing the same in any United States Post Office in the State of California, registered postageprepaid, addressed to Ralph H. Morris, 612 South Flower Street, Los Angeles 17, California, for Lessors and addressed to Lessee at 4233 Berryman Avenue, Culver City, California, or to such other address as may be furnished in writing by either party to the other. Any notice or instrument shall be deemed delivered upon the expiration of the usual transmission time for mail between the point of deposit and point of delivery thereof.

(n) It is understood and agreed by and between the parties hereto that Lessee shall only have the right under this lease to mine and remove talc ores from said premises and, in the event any other ore is discovered on said premises, the Lessors shall have the right to mine and remove the same so long as it does not interfere with the operation of Lessee's talc mining operations.

The undersigned, RALPH H. MORRIS, pursuant to and in accordance with the provisions and authority given to him under the agreement among the Lessors dated the 1st day of October, 1940, foregoing agreement of lease.

RALPH H. MORRIS and ARLETTA M. MORRIS, his wife, HANNA B. YEOMAN, a widow, WILLIAM SPENCER COREY and GLADYS COREY, his wife, and W. C. HASTINGS, and ALICE HASTINGS, his wife.

LESSORS

By Ralph H Morris

LESSEE
E. O. MOON

By E. O. Moon

STATE OF CALIFORNIA,)
) ss.
COUNTY OF LOS ANGELES)

On this 27th day of July, 1951, before me Ruth F. Beeman a Notary Public in and for the County of Los Angeles, State of California, residing therein, duly commissioned and sworn, personally appeared RALPH H. MORRIS, known to me to be the person described in and whose name is subscribed to the within instrument, and he acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Offical Seal, the day and year in this certificate first above written.

Ruth F. Beeman
Notary Public in and for the County of Los Angeles, State of California.

My Commission Expires June 23, 1954

STATE OF CALIFORNIA,)
) ss.
COUNTY OF LOS ANGELES)

On this 27th day of July, 1951, before me Ruth F. Beeman a Notary Public in and for the County of Los Angeles, State of California, residing therein, duly commissioned and sworn, personally appeared E. O. MOON, known to me to be the person described in and whose name is subscribed to the within instrument, and he acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Offical Seal, the day and year in this certificate first above written.

Ruth F. Beeman
Notary Public in and for the County of Los Angeles, State of California

My Commission Expires June 23, 1954

Refer to	Noted	Date
Answered		

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

JUN 26 1951

Mr. H.C. Miller
1415 Appraisers Building
San Francisco, California

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUN 2 8 1951
SAN FRANCISCO, CALIFORNIA

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Applicant ~~Mr. E.O. Mann, 4233 Berryman Ave., Culver~~ Moon City, Calif.

Docket No. DMA-1661X

Commodity ~~Mica, Beryl~~ Talc (Steatite)

Amount $ 9768.00

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review".

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Edwin T. McKnight
For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1661X

Commodity Talc (steatite)

Total Amount $9768.00

Govt. Participation 96%

1. Name and Address of Applicant E.O. Moon, 4235 Berryman Ave Culver City, California, ~~New Iberia Springs~~

2. Location of Property 12 mile sw of Shoshone, Calif. Southern end of Death Valley, near Ibex Springs

3. Mineral or metal Talc (Steatite) Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

Note!

a) Good
b) Poor
c) None

Requested exploration work on this deposit is entirely development with respect to the little that is given of the geology of the deposit and the applicant's own words as to the type of work. The property will probably warrant a field examination if they submit a development application

d) Don't know—needs field examination Probably to Field team eventually.

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes (question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? No. see draft

Does the lease have sufficient time to run to cover a future productive period? Questionable —

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? not attached & need for not stated

b) MF-202 Not attached

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes - can be secured
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Questionable -

e) Power (question 13)* No - would need gasoline or diesel power

Is a field check needed on any of these points? Yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

Is a field check needed on this point? should be checked

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? ~~Yes?~~ No Ques

If not, are there sufficient data given so that you can describe the project? No - No work proposed. If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? No - No program outlined but apparently development

If not, what part of it is? None - according to the applicant's description

Is this part a worthwhile exploration project? Yes - but no program given

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? none given

f) Should more information be requested from applicant? Yes - by field team

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

b) If so, are sufficient data furnished? No If so, see draft attach a draft.

c) Is a field check needed? Yes

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? No If so, attach a draft. see draft

c) Are rents and charges reasonable? Yes

d) Is a field check needed? Yes some of items not allowable

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data?

b) Is the schedule adequate for the work proposed? No - although no program given

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Miners Blacked - Yes - Supervisor - high

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable? Part not allowable for exploration

d) Field check needed? Yes

15. In your judgment, can the proposed work be done in the proposed time? No program given - proper exploration could be done within 6 mo.

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation. see draft

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Investigate & discuss with the applicant the possibilities of obtaining strategic stratis (blocks) & the breakdown of the program for exploration. An application for a development & production lease might well be submitted

Reviewed by: J. Weldon 6/18/51 USGS

Russell McBride

BLM

Date 6/18/51

97692

6/15/51.

Docket No. DMA-1661 X

Section 10. Exhibit A.-

The application states merely for "exploration ~~of~~ & development of unexposed talc deposits" & later in answer to question 24 - to build campsite set up bunkers etc, to drive 250 ft. crosscut, 700 ft of laterals & to sink 50 ft. shaft & drive to second ore body. No location of any of this work with regard to former operations or geological conditions is given. No costs of any of the work are estimated. The emphasis on building a camp, the building of bunkers, erection of ~~g~~ living quarters, the purchase of a light plant etc. indicates the prime interest is in facilities & preparation for production.

The field team will have to investigate what part of the program is really exploration & determine just what & where it is to be done. There are several producing properties in this general area & true exploration might be worth while but the application does not specify what part of the money is to be expended for this purpose.

Likewise nothing is said as to the probable occurrence of strategic materials.

Section 11- Exhibit B

The items listed here are definitely for production purposes - for exploration a moderate investment is all that is needed for quarters & water can be carried. For production a permanent camp will be needed.

Section 12. Exhibit C

Several of the items listed in Question 23-e-f & g are for use in connection with production activities. Rental items are generally OK although the compressor might well be purchased instead of rented & the rental of a car for transporting men could better be changed to a light truck which could also be used for miscellaneous haulage. The field team could well check these items also.

4/18/51

IA 1661X

Section 13. Exhibit D.

The wages specified are reasonable but the rate given for the supervisor is too high - it rather looks as if it was to be a relative or friend of the applicant. Even in an exploration project there would probably be needed more than the two men listed. This should be investigated by the field team & discussed with the applicant.

Section 14. Exhibit E.

The repair & moving of the bunker is not allowable or needed in an exploration project. The repair & equipment of the blacksmith shop may be required but it is another point for the field team to determine.

Section 16. Recommendations

The field team should investigate this property especially from the point of the possibilities of strategic stellite - considerable talc has been mined in this general area but the strategic material is questionable.

If possible a segregation of exploration & production preparation work should be made & a definite program for the exploration work developed & reported. Such a program, exploration, would be valuable if the possibilities of strategic material appear to be good.

It is recommended that the application be referred to the field & definite decision postponed until the field team report is received.

JMP

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1661 X

Date received 6/8/51

Participation

E. O. MOON
4233 Berryman Avenue
Culver City, California

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUN 4 1951
SAN FRANCISCO, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 8 - 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $9768.00

Mineral or metal talc (steatite)

Percentage of Government participation 90%

Location of mine Southern end of Death Valley National Park

Date of filing MF-100 not available

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By (Signature of authorized official)
(Date)	(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

1. Individual
2. --
3. --
4. (a) For a considerable period of time was Vice-President and General Mgr. of one of the world's largest producers of non-metallics which included the complete phase of mining, milling, marketing and distributing of one of the finest ceramic clays produced in the west. Have owned and operated some of the finest Steatite mines under production in this area.
   (b) The applicant.
5. Lessee
6. --
7. Copy of lease attached hereto.
8. Copy attached hereto.
9. $1,000.00
10. (a) Additional exploration of the Monarch and Arletta Claims Group.
    (b) Copy attached hereto.
11. Monarch and Arletta Groups
12. The location is approximately 12 miles southwest of Shoshone, California, 6 unsurfaced miles west of the Baker-Death Valley Highway.
13. The existing mill and campsite, one half mile from the mine, is supplied by the Ibex Spring which yields at least 200 gallons per day the year round. There is no available outside power facilities.
14. The existing facilities include a 50 ton bunker, partial blacksmith building, some rail and air lines.
15. The ore could be shipped to the Dunn siding 30 odd miles west of Baker, California, for shipment to mill facilities wherever the case may be.
16. (a) Mine has been worked quite extensively for past several years and there has been many thousands of tons produced. The reason for suspension is due to the fact the former leasers have mined the present workings in a very unminerlike fashion.
    (b) The adjoining and neighboring properties have been and are still producing considerable tonnage of high grade talc.
17. (a) Not in production
18. (a) Huge undeveloped deposits of talc.
    (b) Attached hereto.
    (c) Untold tons of undeveloped talc ore.
19. Covered in above.
20. For further exploration and development of talc deposits.
21. Exploration and development of unexposed talc deposits which will require approximately one year.
22. Copy attached hereto.
23. See page 2

23.

(a) Labor

Miner at $13.00 per day--6 months	$1,690.00
Mucker at $11.00 per day--6 months	1,430.00
(b) Supervisor at $500 per month--6 months	3,000.00
(c) 1. Repair of existing bunker and disassembly, moving and reassembly of second bunker---	580.00
2. Repair and purchase of equipment for existing blacksmith shop--	240.00
(d) 1. For cost of erecting new miner's quarters. All materials have been purchased by applicant at a cost of $831.62 and have been delivered to the property--	210.00
2. Cost of installation of 450 feet, 2" pipe, and storage tank from spring to campsite--	240.00
(e) 1. Cost of butane cooking range--	78.00
2. Cost of butane refrigerator--	350.00
(f) 105 cubic feet compressor and air hammer at $150 per mo.- 6 mos.--	900.00
(g) Rental of car for transporting miners to and from mine to campsite at $100 per month--6 mos.--	600.00
(h) Cost for miscellaneous equipment including hammers, saws, shovels, picks, single jacks, drill steel, bits, powder, fuse, caps, gasoline, oil, hose couplings, pipe fittings, etc., and household utensils--	350.00
(i) For purchase of 500 watt light plant for campsite--	100.00
	$ 9768.00

24. (a) Approximately one month required to build campsite, set up bunkers, move existing equipment and supplies to new location. Approximately three months to drive 250 foot crosscut and two 100 foot laterals under new ore body. Approximately one month to sink 50 foot shaft and drift to second ore body.

8. FINANCIAL STATEMENT

Assets		Liabilities	
House, apt. and lot-----$12,000		Mortgage on house	$4,000
Rent from apt.---	40.00 per mo.		
Household furniture	2,500		
1950 Studebaker Landcruiser-	2,200	Current obligations	
Misc. Mine equipment	1,500		
Balance due on sale of mine	1,700		

PHONE MA 6-4060

OWNED AND OPERATED
BY THE
JOINT ADVENTURE

MONARCH TALC MINES

612 So. Flower St.
LOS ANGELES 17

May 31, 1951

Mr. E. O. Moon
4233 Berryman Ave.
Culver City, Calif.

Dear Mr. Moon:

Referring to your letter of April 30, 1951 in which you request additional time to prospect the Monarch Talc and Arletta Talc properties.

Referring to the second paragraph of our agreement of February 21, 1951 a further extension of 60 days and/or until a reply from your application to the U. S. Dept. of Interior, Defense Minerals Adm. for aid in exploring the Monarch Talc and Arletta Talc Properties pursuant Mineral Order 5, Under Defense Production Act of 1950 as to acceptance or rejection.

Very truly yours,

Ralph H. Morris

Ralph H. Morris

RHM/js

PHONE VANDIKE 9211

OWNED AND OPERATED
BY THE
JOINT ADVENTURE

MONARCH TALC MINES
TRANSAMERICA BUILDING
649 SO. OLIVE STREET
LOS ANGELES 17

612 South Flower Street

February 21, 1951

Mr. E. O. Moon
4233 Berryman Avenue
Culver City, California

Dear Mr. Moon:

Confirming our conversation relative to your desire to lease and operate the Monarch Talc Mines which are located adjacent to Ibex Springs, in San Bernardino County, California:

First: You are hereby given the exclusive rights from March 1, 1951 to April 15, 1951 to prospect for and mine talc on said properties, and all talc removed from the mine bunkers shall be paid for at the rate of $1.50 per ton.

Second: If on or before April 1, 1951 you desire additional time not to exceed two weeks within which to further prospect the properties, you shall notify us in writing.

Third: No work whatsoever on the properties shall be performed before a notice of non-responsibility for work, labor or improvements has been posted and recorded on the property.

Fourth: On or before the expiration of the time given you to prospect for talc, I agree, as manager of the joint adventure known as Monarch Talc Mines, to enter into negotiations with you to lease the Monarch Group Talc Mines along the terms already discussed by us and Mr. Corey, one of the co-owners of said properties.

Yours very truly,

Ralph H Morris

Manager of the joint adventure
known as Monarch Talc Mines

Approved: E O Moon

PHONE VANDIKE 9211

OWNED AND OPERATED
BY THE
JOINT ADVENTURE

MONARCH TALC MINES

TRANSAMERICA BUILDING
649 SO. OLIVE STREET
LOS ANGELES 14

May 23, 1951

ARLETTA GROUP BLACK TALC

Analysis of Sample

Silica (SiO_2) - - - - - - - - - - -	58.90%
Iron Oxide (Fe_2O_3) - - - - - - -	.84%
Aluminum Oxide (Al_2O_3 - - - - - - -	4.04%
Calcium Oxide (CaO) (Total Lime)	4.34%
Magnesium Oxide (MgO) - - - - - - -	27.52%
S T ? - - - - - - -	.02%
Loss on Ignition - - - - - - - - -	4.00%
Solium ? - - - -	.12%
P ? - - - -	.09%
	99.87%
Soluble Lime ----------	.30%

NOTE: 6 -- Acid Side
7 -- Neutral
8 -- Alkaline Side

This Talc -- 6.8

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1661X

Commodity Talc (steatite)

Total Amount $9768.00

Govt. Participation 90%

1. Name and Address of Applicant F. O. Moon, 4233 Berryman Ave
Culver City, California,

2. Location of Property 12 mile sw of Shoshone, Calif.
Southern end of Death Valley, near Ibex Springs

3. Mineral or metal Talc (Steatite) Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good
b) Poor
c) None
d) Don't know—needs field examination

Requested exploration work on this deposit is entirely development with respect to the little that is given of the geology of the deposit and the applicant's own words as to the type of work. The property will probably warrant a field examination if they submit a development application eventually. Probably to field team

e) Is there an alternative and favorable project? _____
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? No - see draft

Does the lease have sufficient time to run to cover a future productive period? Questionable —

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? not attached & need for not stated

b) MF-202 Not attached

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes - [illegible]
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Questionable -

e) Power (question 13)* No - would need gasoline or diesel power

Is a field check needed on any of these points? Yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

Is a field check needed on this point? should be checked.

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? ~~Yes?~~ No [illegible]

If not, are there sufficient data given so that you can describe the project? No - No work proposed. If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? No - No program outlined but apparently development

If not, what part of it is? None - according to the applicant's description

Is this part a worthwhile exploration project? Yes - but no program given

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? none given

f) Should more information be requested from applicant? Yes - by field team

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

b) If so, are sufficient data furnished? No If so, attach a draft. see draft

c) Is a field check needed? Yes

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? Yes

b) Sufficient data? No If so, attach a draft. see draft

c) Are rents and charges reasonable? Yes

d) Is a field check needed? Yes some of items not allowable

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data?

b) Is the schedule adequate for the work proposed? No - although no program given

c) Is the schedule excessive for the work proposed? No

d) Are the proposed wages and salaries reasonable? Mowers & Blockers Yes - Superintendent high

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable? Part not allowable for exploration

d) Field check needed? Yes

15. In your judgment, can the proposed work be done in the proposed time? No program given - proper exploration could be done within 6 mo.

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation. see draft

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Investigate + discuss with the applicant the possibilities of obtaining strategic strata (blocks) + the breakdown of the program for exploration. An application for a development + production lease might well be submitted

Reviewed by: [illegible] 6/18/51 USGS

[illegible]

BofM

Date 6/18/51

97692

6/18/51.

Docket No DMA-1661 X

Section 10 Exhibit A-

The application states merely for "exploration ~~of~~ & development of unexposed talc deposits" + later in answer to question 24 - to build campsite set up bunkers etc, to drive 250 ft. crosscut, 200 ft of laterals & to sink 50 ft. shaft & drive to second ore body. No location of any of this work with regard to former operations or geological conditions is given. No costs of any of the work are estimated. The emphasis on building a camp, the building of bunkers, erection of ~~g~~ living quarters, the purchase of a light plant, etc indicates the prime interest is in facilities + preparation for production.

The field team will have to investigate what part of the program is really exploration & determine just what & where it is to be done. There are several producing properties in this general area + true exploration might be worth while but the application does not specify what part of the money is to be expended for this purpose

Likewise nothing is said as to the probable occurrence of strategic stratite

Section 11- Exhibit B

The items listed here are definitely for production purposes - for exploration a modest investment is all that is needed for quarters & water can be carried. For production a permanent camp will be needed.

Section 12 Exhibit C

Several of the items listed in Question 23-e-f-g-g are for use in connection with production activities. Rental items are generally OK although the compressor might well be purchased instead of rented & the rental of a car for transporting men could better be changed to a light truck which could also be used for miscellaneous haulage. The field team could well check these items also

6/18/51 DMA 1661X

Section 13 Exhibit D.

The wages specified are reasonable but the rate given for the superviso is too high - it rather looks as if it was to be a relative or friend of the applicant. Even in an exploration project there would probably be needed more than the two men listed. This should be investigated by the field team & discussed with the applicant

Section 14. Exhibit E.

The repair & moving of the bunker is not allowable or needed in an exploration project. The repair & equipment of the blacksmith shop may be required but it is another point for the field team to determine

Section 16 - Recommendations

The field team should investigate this property especially from the point of the possibilities of strategic stratic - considerable talc has been mined in this general area but the strategic material is questionable.

If possible a segregation of exploration & production preparation work should be made + a definite program for the exploration work developed & reported. Such a program, exploration, would be valuable if the possibilities of strategic material appear to be good.

It is recommended that the application be referred to the field & definite decision postponed until the field team report is received.

JMP

FILE COPY
SURNAME:

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

June 20, 1951

Bean
Moore
McKnight
Lyon
Hone

docket mailed 6/26/51

Mr. E.O. Mann
4233 Berryman Ave.
Culver City, California

Subject: DMA-1661X
Mica, Beryl

Dear Mr. Mann:

Your application is being referred to Mr. H.C. Miller, 1414 Appraisers Building, San Fransisco, California, Executive Officer of the Field Team, Region III, for further information.

Sincerely yours,

Tom Lyon, Director
Supply Division

RW:mas

cc: Administrator's Reading File
Mr. Strobel
Field Team
Mr. Barr
DMA Files

FILE COPY
SURNAME:

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

June 20, 1951

Mr. E. O. Moon
4233 Berryman Avenue
Culver City, California

Subject: DMA-1661X
Re: Exploration Loan -
Monarch & Arletta Claims Group

My dear Mr. Moon:

Receipt is acknowledged of your application and attachments of May 29, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1661X and referred to Mr. James A. Barr, Chief, Industrial Minerals Branch on June 12, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1661X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel jc
Executive Secretary

L. F. Strobel:jc
cc: Strobel
✓File
Barr
Lyon

DMA-2 1661

dma-1661X

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Region III

1415 Appraisers Bldg.
630 Sansome Street
San Francisco 11, Calif.
June 4, 1951

Memorandum

To: Defense Minerals Administration, Washington, D. C.

From: Executive Officer, DMA Field Team, Region III

Subject: Application for Aid for an Exploration Project

The attached application was received in this office on June 4, 1951.

Applicant: E. O. Moon
4233 Berryman Avenue
Culver City, California

Date of Application: May 29, 1951

Estimated Cost: $9768.00

Mineral or Metal: Talc (steatite)

Percentage of Government Participation: 90%

Location of Mine: Southern end of Death Valley National Park

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 8 - 1951
LANDON F. STROBEL
Executive Secretary

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

P.S. Note that application was mailed at 11:30 P.M. on May 31, or just 30 minutes before the deadline.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1661 X

Date received 6/8/51

Participation

E. O. MOON
4233 Berryman Avenue
Culver City, California

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUN 4 1951
SAN FRANCISCO, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 8 - 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $9768.00

Mineral or metal talc (steatite)

Percentage of Government participation 90%

Location of mine Southern end of Death Valley National Park

Date of filing MF-100 not available

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By (Signature of authorized official)
(Date)	(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

1. Individual
2. --
3. --
4. (a) For a considerable period of time was Vice-President and General Mgr. of one of the world's largest producers of non-metallics which included the complete phase of mining, milling, marketing and distributing of one of the finest ceramic clays produced in the west. Have owned and operated some of the finest Steatite mines under production in this area.
   (b) The applicant.
5. Lessee
6. --
7. Copy of lease attached hereto.
8. Copy attached hereto.
9. $1,000.00
10. (a) Additional exploration of the Monarch and Arletta Claims Group.
    (b) Copy attached hereto.
11. Monarch and Arletta Groups
12. The location is approximately 12 miles southwest of Shoshone, California, 6 unsurfaced miles west of the Baker-Death Valley Highway.
13. The existing mill and campsite, one half mile from the mine, is supplied by the Ibex Spring which yields at least 200 gallons per day the year round. There is no available outside power facilities.
14. The existing facilities include a 50 ton bunker, partial blacksmith building, some rail and air lines.
15. The ore could be shipped to the Dunn siding 30 odd miles west of Baker, California, for shipment to mill facilities wherever the case may be.
16. (a) Mine has been worked quite extensively for past several years and there has been many thousands of tons produced. The reason for suspension is due to the fact the former leasers have mined the present workings in a very unminerlike fashion.
    (b) The adjoining and neighboring properties have been and are still producing considerable tonnage of high grade talc.
17. (a) Not in production
18. (a) Huge undeveloped deposits of talc.
    (b) Attached hereto.
    (c) Untold tons of undeveloped talc ore.
19. Covered in above.
20. For further exploration and development of talc deposits.
21. Exploration and development of unexposed talc deposits which will require approximately one year.
22. Copy attached hereto.
23. See page 2

23.

(a) Labor

Miner at $13.00 per day--6 months	$1,690.00
Mucker at $11.00 per day--6 months	1,430.00
(b) Supervisor at $500 per month--6 months	3,000.00
(c) 1. Repair of existing bunker and disassembly, moving and reassembly of second bunker---	580.00
2. Repair and purchase of equipment for existing blacksmith shop--	240.00
(d) 1. For cost of erecting new miner's quarters. All materials have been purchased by applicant at a cost of $831.62 and have been delivered to the property--	210.00
2. Cost of installation of 450 feet, 2" pipe, and storage tank from spring to campsite--	240.00
(e) 1. Cost of butane cooking range--	78.00
2. Cost of butane refrigerator--	350.00
(f) 105 cubic feet compressor and air hammer at $150 per mo.- 6 mos.--	900.00
(g) Rental of car for transporting miners to and from mine to campsite at $100 per month--6 mos.--	600.00
(h) Cost for miscellaneous equipment including hammers, saws, shovels, picks, single jacks, drill steel, bits, powder, fuse, caps, gasoline, oil, hose couplings, pipe fittings, etc., and household utensils--	350.00
(i) For purchase of 500 watt light plant for campsite--	100.00
	$ 9768.00

24. (a) Approximately one month required to build campsite, set up bunkers, move existing equipment and supplies to new location. Approximately three months to drive 250 foot crosscut and two 100 foot laterals under new ore body. Approximately one month to sink 50 foot shaft and drift to second ore body.

8. FINANCIAL STATEMENT

Assets		Liabilities	
House, apt. and lot-----$12,000		Mortgage on house	$4,000
Rent from apt.---	40.00 per mo.		
Household furniture	2,500		
1950 Studebaker Landcruiser-	2,200	Current obligations	
Misc. Mine equipment	1,500		
Balance due on sale of mine	1,700		

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1661X

Date received 6/8/51

Participation

E. O. MOON
4233 Berryman Avenue
Culver City, California

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUN 4 1951
SAN FRANCISCO, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 8 - 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $9768.00

Mineral or metal talc (steatite)

Percentage of Government participation 90%

Location of mine Southern end of Death Valley National Park

Date of filing MF-100 not available

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By E. O. Moore (Signature of authorized official)
(Date)	President (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

1. Individual
2. --
3. --
4. (a) For a considerable period of time was Vice-President and General Mgr. of one of the world's largest producers of non-metallics which included the complete phase of mining, milling, marketing and distributing of one of the finest ceramic clays produced in the west. Have owned and operated some of the finest Steatite mines under production in this area.
   (b) The applicant.
5. Lessee
6. --
7. Copy of lease attached hereto.
8. Copy attached hereto.
9. $1,000.00
10. (a) Additional exploration of the Monarch and Arletta Claims Group.
    (b) Copy attached hereto.
11. Monarch and Arletta Groups
12. The location is approximately 12 miles southwest of Shoshone, California, 6 unsurfaced miles west of the Baker-Death Valley Highway.
13. The existing mill and campsite, one half mile from the mine, is supplied by the Ibex Spring which yields at least 200 gallons per day the year round. There is no available outside power facilities.
14. The existing facilities include a 50 ton bunker, partial blacksmith building, some rail and air lines.
15. The ore could be shipped to the Dunn siding 30 odd miles west of Baker, California, for shipment to mill facilities wherever the case may be.
16. (a) Mine has been worked quite extensively for past several years and there has been many thousands of tons produced. The reason for suspension is due to the fact the former leasers have mined the present workings in a very unminerlike fashion.
    (b) The adjoining and neighboring properties have been and are still producing considerable tonnage of high grade talc.
17. (a) Not in production
18. (a) Huge undeveloped deposits of talc.
    (b) Attached hereto.
    (c) Untold tons of undeveloped talc ore.
19. Covered in above.
20. For further exploration and development of talc deposits.
21. Exploration and development of unexposed talc deposits which will require approximately one year.
22. Copy attached hereto.
23. See page 2

23.

(a) Labor	
Miner at $13.00 per day--6 months	$1,690.00
Mucker at $11.00 per day--6 months	1,430.00
(b) Supervisor at $500 per month--6 months	3,000.00
(c) 1. Repair of existing bunker and disassembly, moving and reassembly of second bunker---	580.00
2. Repair and purchase of equipment for existing blacksmith shop--	240.00
(d) 1. For cost of erecting new miner's quarters. All materials have been purchased by applicant at a cost of $831.62 and have been delivered to the property--	210.00
2. Cost of installation of 450 feet, 2" pipe, and storage tank from spring to campsite--	240.00
(e) 1. Cost of butane cooking range--	78.00
2. Cost of butane refrigerator--	350.00
(f) 105 cubic feet compressor and air hammer at $150 per mo.- 6 mos.--	900.00
(g) Rental of car for transporting miners to and from mine to campsite at $100 per month--6 mos.--	600.00
(h) Cost for miscellaneous equipment including hammers, saws, shovels, picks, single jacks, drill steel, bits, powder, fuse, caps, gasoline, oil, hose couplings, pipe fittings, etc., and household utensils--	350.00
(i) For purchase of 500 watt light plant for campsite--	100.00
	$ 9768.00

24. (a) Approximately one month required to build campsite, set up bunkers, move existing equipment and supplies to new location. Approximately three months to drive 250 foot crosscut and two 100 foot laterals under new ore body. Approximately one month to sink 50 foot shaft and drift to second ore body.

8. FINANCIAL STATEMENT

Assets		Liabilities	
House, apt. and lot-----$12,000		Mortgage on house	$4,000
Rent from apt.---	40.00 per mo.		
Household furniture	2,500		
1950 Studebaker Landcruiser	2,200	Current obligations	
Misc. Mine equipment	1,500		
Balance due on sale of mine	1,700		

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma-1661 X

Date received 6/8/51

Participation

E. O. MOON
4233 Berryman Avenue
Culver City, California

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUN 4 1951
SAN FRANCISCO, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 8 - 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $9768.00

Mineral or metal talc (steatite)

Percentage of Government participation 90%

Location of mine Southern end of Death Valley National Park

Date of filing MF-100 not available

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By (Signature of authorized official)
(Date)	(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

1. Individual
2. --
3. --
4. (a) For a considerable period of time was Vice-President and General Mgr. of one of the world's largest producers of non-metallics which included the complete phase of mining, milling, marketing and distributing of one of the finest ceramic clays produced in the west. Have owned and operated some of the finest Steatite mines under production in this area.
   (b) The applicant.
5. Lessee
6. --
7. Copy of lease attached hereto.
8. Copy attached hereto.
9. $1,000.00
10. (a) Additional exploration of the Monarch and Arletta Claims Group.
    (b) Copy attached hereto.
11. Monarch and Arletta Groups
12. The location is approximately 12 miles southwest of Shoshone, California, 6 unsurfaced miles west of the Baker-Death Valley Highway.
13. The existing mill and campsite, one half mile from the mine, is supplied by the Ibex Spring which yields at least 200 gallons per day the year round. There is no available outside power facilities.
14. The existing facilities include a 50 ton bunker, partial blacksmith building, some rail and air lines.
15. The ore could be shipped to the Dunn siding 30 odd miles west of Baker, California, for shipment to mill facilities wherever the case may be.
16. (a) Mine has been worked quite extensively for past several years and there has been many thousands of tons produced. The reason for suspension is due to the fact the former leasers have mined the present workings in a very unminerlike fashion.
    (b) The adjoining and neighboring properties have been and are still producing considerable tonnage of high grade talc.
17. (a) Not in production
18. (a) Huge undeveloped deposits of talc.
    (b) Attached hereto.
    (c) Untold tons of undeveloped talc ore.
19. Covered in above.
20. For further exploration and development of talc deposits.
21. Exploration and development of unexposed talc deposits which will require approximately one year.
22. Copy attached hereto.
23. See page 2

23.

(a) Labor	
Miner at $13.00 per day--6 months	$1,690.00
Mucker at $11.00 per day--6 months	1,430.00
(b) Supervisor at $500 per month--6 months	3,000.00
(c) 1. Repair of existing bunker and disassembly, moving and reassembly of second bunker---	580.00
2. Repair and purchase of equipment for existing blacksmith shop--	240.00
(d) 1. For cost of erecting new miner's quarters. All materials have been purchased by applicant at a cost of $831.62 and have been delivered to the property--	210.00
2. Cost of installation of 450 feet, 2" pipe, and storage tank from spring to campsite--	240.00
(e) 1. Cost of butane cooking range--	78.00
2. Cost of butane refrigerator--	350.00
(f) 105 cubic feet compressor and air hammer at $150 per mo.- 6 mos.--	900.00
(g) Rental of car for transporting miners to and from mine to campsite at $100 per month--6 mos.--	600.00
(h) Cost for miscellaneous equipment including hammers, saws, shovels, picks, single jacks, drill steel, bits, powder, fuse, caps, gasoline, oil, hose couplings, pipe fittings, etc., and household utensils--	350.00
(i) For purchase of 500 watt light plant for campsite--	100.00
	$ 9788.00

24. (a) Approximately one month required to build campsite, set up bunkers, move existing equipment and supplies to new location. Approximately three months to drive 250 feet crosscut and two 100 foot laterals under new ore body. Approximately one month to sink 50 foot shaft and drift to second ore body.

8. FINANCIAL STATEMENT

Assets		Liabilities	
House, apt. and lot-----$12,000		Mortgage on house	$4,000
Rent from apt.---	40.00 per mo.		
Household furniture	2,500		
1950 Studebaker Landcruiser	2,200	Current obligations	
Misc. Mine equipment	1,500		
Balance due on sale of mine	1,700		

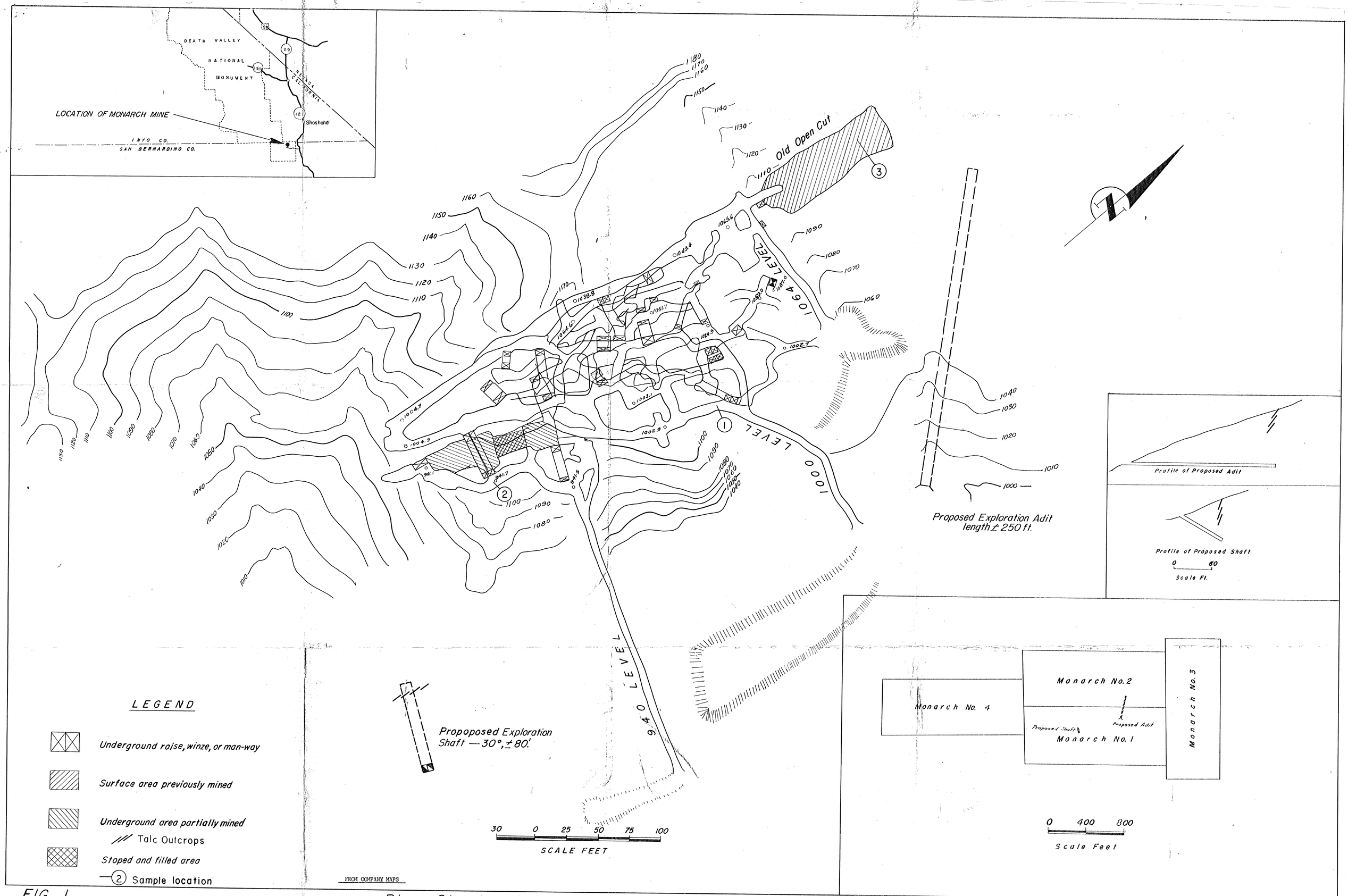


FIG. 1

Plan Showing Mine Workings and Proposed Exploration Monarch Mine

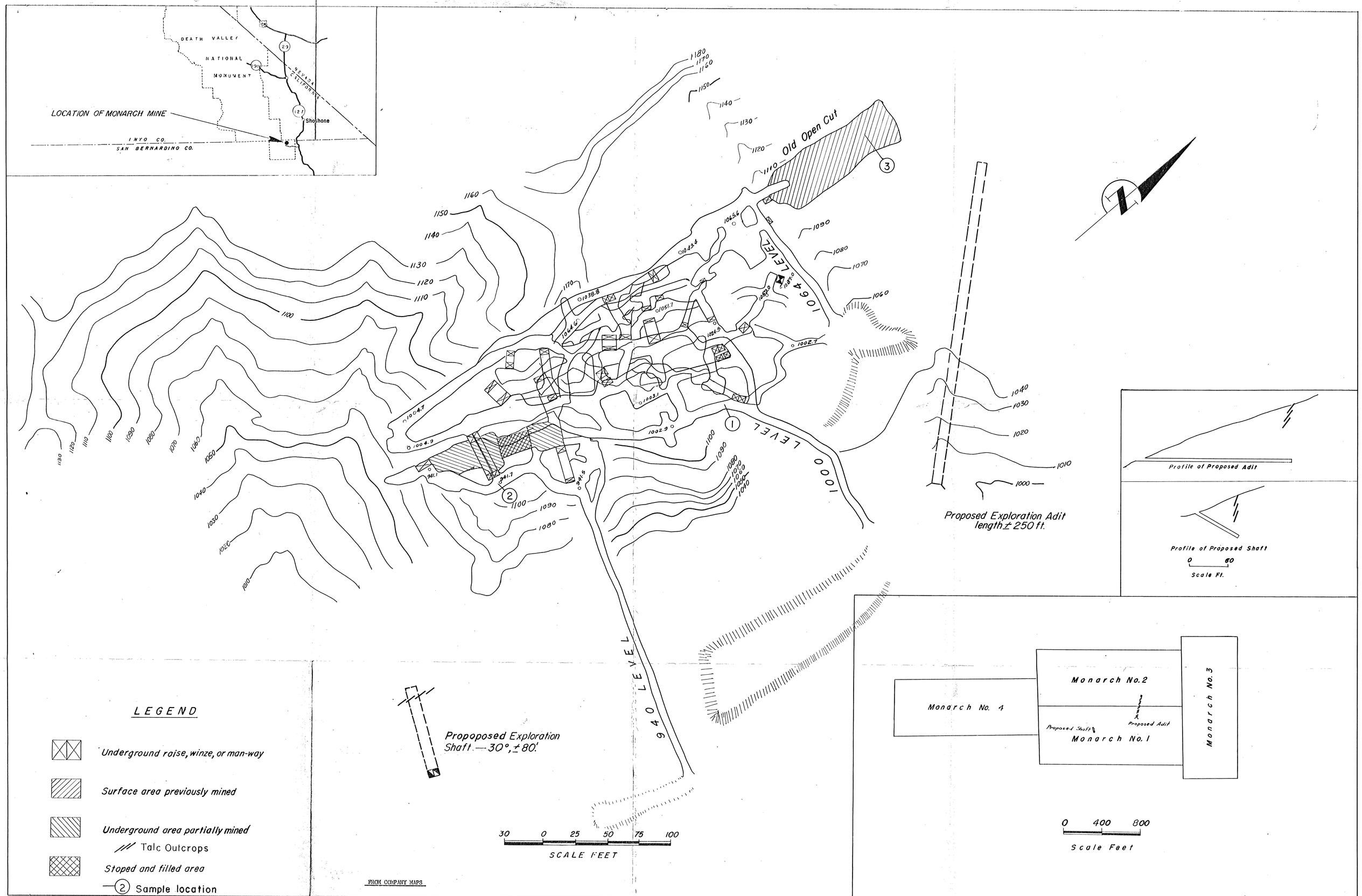


FIG. 1

Plan Showing Mine Workings and Proposed Exploration Monarch Mine

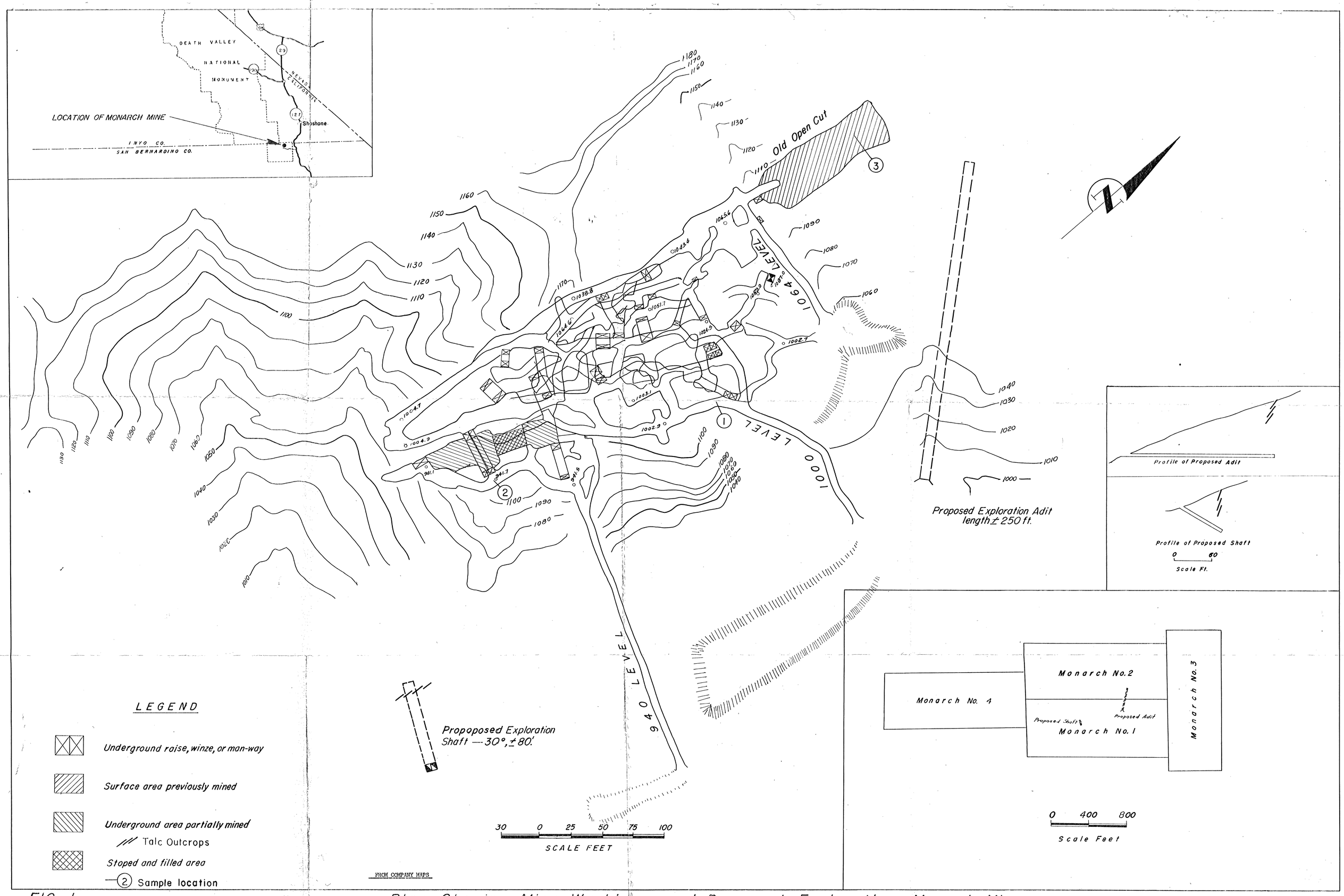


FIG. 1 Plan Showing Mine Workings and Proposed Exploration Monarch Mine