DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 4627

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:	Gowen	Date	5/3/51
To:	Ryan	Date	7/16/51
To:	Coord Committee	Date	7/18/51
To:	Field Team, Reg III	Date	
To:		Date	
To:		Date	
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 462X

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:	Mr. Gowen	Date	May 4, 1951
To:	Mr. Lyon	Date	August 28, 1951
To:	REPORTS AND RECORDS	Date	AUG 29 1951
To:	REPORTS AND RECORDS	Date	SE[illegible]
To:		Date	
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 462 X

To: Reports and Records Branch

From: Copper Branch, Supply Division

Date: 7/16/51

The following action has been taken this date on the above Controlled Document.

Forwarded to Coordinating Committee to be referred to Field Team, Region III

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $

Other action, specify:

Interior—Duplicating Section, Washington, D. C.

98869

315

FILE COPY
SURNAME:

Oldham
Gowen
Johnson

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

SEP 4 1951

a.e.e

Victor Minerals, Inc.

Victorville, California

re: Docket [illegible]-462[illegible]

Gentlemen:

Your application for exploration aid has been reviewed by the Defense Minerals Administration and we are sorry to inform you that it must be denied.

From the material submitted with your application and the material available to the Government it is felt that the probability of discovering an ore body in the schist underlying the Blue Nugget claims, is insufficient to justify the inclusion of your exploration project in the copper program at the present time.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

AWaugh:rw
8-28-51

Copy to: Reports and Records Branch
Executive Officer, DMA Field Team III
Mr. Gowen
Mr. Johnson
Mr. MacLaren
Files - DMA Docket

SEP 4 1951

Victor Minerals, Inc.

Victorville, California

Re: Docket DMA-1,682X

Gentlemen:

Your application for exploration aid has been reviewed by the Defense Minerals Administration and we are sorry to inform you that it must be denied.

From the material submitted with your application and the material available to the Government it is felt that the probability of discovering an ore body in the schist underlying the Blue Nugget claims, is insufficient to justify the inclusion of your exploration project in the copper program at the present time.

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Tom Lyon

Tom Lyon, Director
Supply Division

HWVaugh:rw
8-28-51

Copy to: Reports and Records Branch
Executive Officer, DMA Field Team III
Mr. Gowen
Mr. Johnson
Mr. Maclaren
Files - DMA Docket

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

SEP 4 1951

a. E. C -

Memorandum

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Victor Minerals, Inc. Victorville, California (DMA 462x) Commodity Copper

Denial of this application is recommended by field team region III for the following reasons:

1. Assuming that the conditions necessary for secondary enrichment may have existed and assuming that the concentration of primary sulfide minerals at depth is like that in the rocks never exposed, It is doubtful that a copper deposit of economic value could form.

2. In this area, the amount of primary sulfide minerals available for replacement in the schist appears to be so small that even if they were replaced by chalcocite the deposit would be too low in grade to be mineable.

3. The quartz veins are considerably richer in sulfide minerals than the schist but are too narrow to form a mineable enriched orebody.

4. The large body of schist said to contain disseminated chalcocite is believed to contain only a small amount of a resinous, dark, reddish brown variety of limonite that occurs in the schist.

A letter has been prepared informing the applicant of the denial.

Transmitted herewith for your disposal is the entire file consisting of the following:

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-1062, Victor Minerals, Inc.

San Bernardino County, California

(Copper)

William P. Irwin, Geologist
U. S. Geological Survey

August 16, 1951

DEPT. OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 21 1951

DMA 462x, Victor Minerals, Inc.
San Bernardino County, California

(Copper)

Victor Minerals, Inc., applied January 28, 1951 for a government loan of $70,000 to develop and operate the Blue Nugget Copper property near Hodge, San Bernardino County, California. W. T. Benson of the Bureau of Mines, and W. P. Irwin of the Geological Survey examined the property February 28, 1951, at the request of the Defense Minerals Administration. Their report, submitted in March 1951, is filed under DMA-462. They recommended that the loan be denied, as the exposed mineralized areas were too low grade to justify consideration of a development loan at that time.

On May 30, 1951, Victor Minerals, Inc., applied for Government participation in a $25,000 program to explore the Blue Nugget copper property. Judging from docket DMA-462x, the only work done on the property since the examination of February 28, 1951, has been an added ten feet of depth to the former 40-foot shaft.

The Blue Nugget claims are underlain by quartz-mica schist and quartzite. Several widely-spaced quartz veins crosscut the foliation of the schist, and range from a few inches to one foot in thickness. The occurrence of copper-bearing sulfide minerals is confined almost entirely to the quartz veins. The veins contain minor amounts of chalcopyrite and bornite. The schist, with the exception of that within a few feet of the veins, contains only minute amounts of chalcopyrite, possibly as much as 0.1 percent. Minor amounts of chrysocolla fill fractures in the schist and quartz veins.

Eight samples taken in the 50-foot shaft by the applicants are reported to range from 1.00 percent copper and $1.[illegible] in gold per ton to 1.[illegible] percent copper and $[illegible].00 in gold per ton. They average 1.11 percent copper and $1.39 in gold per ton and would appear to indicate a remarkably uniform increase in values with depth. Two widely-spaced samples cut in the same shaft by Benson, over 5- and 6-foot widths, both assayed 0.7[illegible] percent copper and a trace of gold.

According to the owners of the property, "The ore consists of large body of schist with disseminated chalcocite, both primary and secondary." The "disseminated chalcocite", referred to by the owners, is believed to be a resinous, dark reddish-brown variety of limonite that occurs in the schist. The origin of the limonite is not known, but the limonite appears to be at least in part pseudomorphic after pyrite. With the exception of the schist in close proximity to the quartz veins, chalcopyrite was the only copper-bearing sulfide observed in the schist.

The owners base their exploration claim on the possibility of encountering a zone of secondary enrichment at a depth of about [illegible] feet. In general, copper-sulfide minerals are deposited only at the expense of sulfide minerals that exsolve in the zone of secondary enrichment, and

the replacement is one of equal volumes. Assuming that the conditions necessary for secondary enrichment may have existed, and assuming that the concentration of primary sulfide minerals at depth is like that in the rocks now exposed, it is doubtful that a copper deposit of economic value could form. In this area, the amount of primary sulfide minerals available for replacement in the schist appears to be so small that even if they were all replaced by chalcocite the deposit would be too low in grade to be mineable. The quartz veins are considerably richer in sulfide minerals than the schist, but are too narrow to form a mineable enriched orebody.

The exploration program proposed by Victor Minerals, Inc., is not recommended, owing to the improbability of its revealing enriched copper-bearing rock sufficiently high in grade to be of economic value.

FILE COPY
SURNAME:

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

Bowen
Johnson

a 3 e

Memorandum

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Victor Minerals, Inc. Victorville, California (DMA 462x) Commodity Copper

Denial of this application is recommended by field team region III for the following reasons:

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4. The large body of schist said to contain disseminated chalcocite is believed to contain only a small amount of a resinous, dark, reddish brown variety of limonite that occurs in the schist.

A letter has been prepared informing the applicant of the denial.

Transmitted herewith for your disposal is the entire file consisting of the following:

2 forms MF-100 with one answer sheet and assay map each.
2 Forms MF-103 with one answer sheet each.
2 DMA Review of application for Exploration Assistance
2 Report of Examination by Field Team Region III dated August 16, 1951.
1 Township Map showing location of claims.
1 Original letter from Mr. George R. Seals to Mr. Miller dated July 27, 1951.
1 Original letter from H. C. Miller to Tom Lyon dated August 17, 1951.
2 Form letters from Tom Lyon to H. C. Miller dated July 18, 1951
6 carbon copies of letters to Mr. George Seals from
J. L. Hofflund, January 18, 1951
J. L. Hofflund, January 26, 1951
S. H. Williston, February 7, 1951
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Tom Lyon, July 18, 1951
1 carbon copy of memo from J. K. Richardson to Field Team Region III, February 7, 1951.
1 carbon copy of memo from J. B. Gowen to Executive Secretary April 24, 1951.
1 DMA Status Change Notice, July 16, 1951.

Tom Lyon

Tom Lyon, Director
Supply Division

Enclosure

RVWaugh: mh 8-28-51
cc: Adm. Read. File
Reports and Records
Field Team III
Copper Branch
DMA docket files

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

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Tom Lyon, Director
Supply Division

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Copper Branch
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DEFENSE MINERALS ADMINISTRATION
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Tom Lyon, Director
Supply Division

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Copper Branch
DMA docket files

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DEFENSE MINERALS ADMINISTRATION
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Tom Lyon

Tom Lyon, Director
Supply Division

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DMA docket files

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

Memorandum

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From: Director, Supply Division

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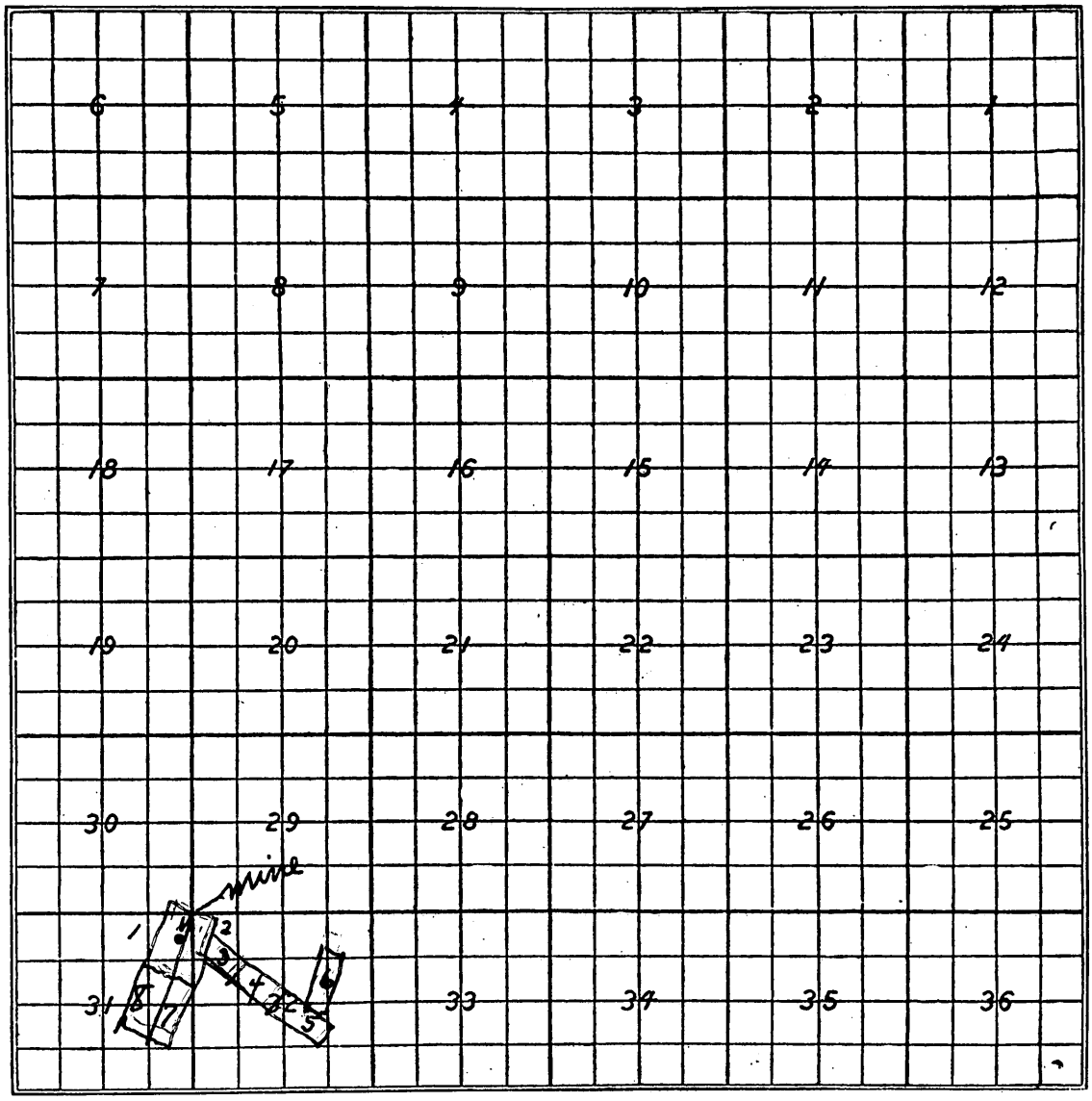
Township No. 9 N Range No. 3 W SB Meridian



TOWNSHIP PLAT 80 CHAINS TO 1 INCH

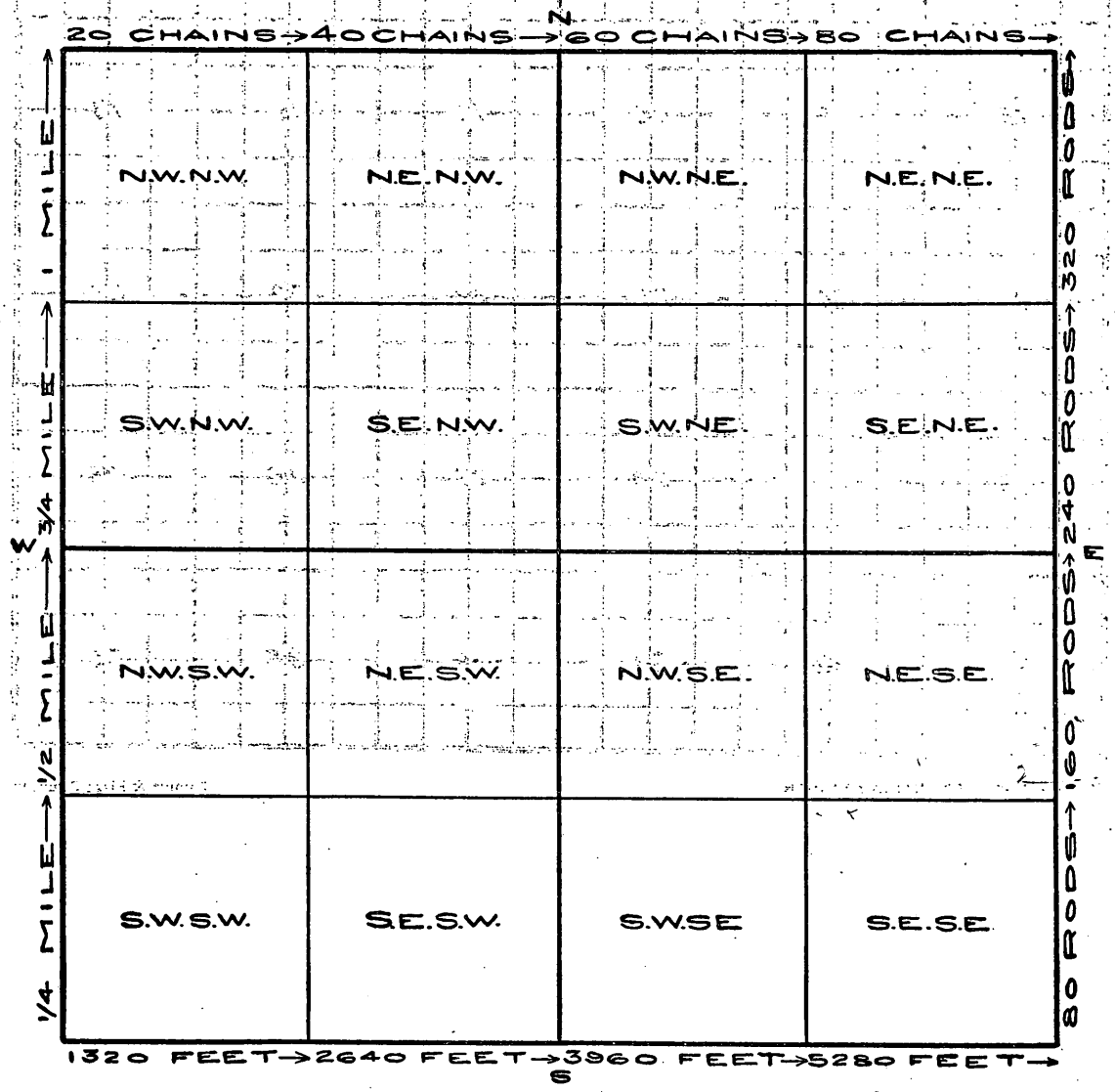
Barnum & Flagg Company

claims Blue Nugget 1-2-3-4-5-6-7-8.
George R Seals
Owner.

ASSESSOR'S OFFICE
SAN BERNARDINO COUNTY
M. A. CRANMER, ASSESSOR

Section _____ Township _____ Range _____ S.B.B.&M.

Description _____



SCALE 1 INCH TO 1000 FEET

Refer to	Noted	Date
Answered		

Victorville, Calif.
July 27 - 1951.

United States Department of the Interior
1012 Flood Bldg. 870 Market Street.
San Francisco 2, Calif.

Attention:-
Mr. H.C. Miller
Executive Officer
DMA Field Team
Region #3.

Docket # DMA 462X
Copper.

Dear Mr. Miller:-

Inclosed is a map showing the location of the mine. The property has not been surveyed and there for is approximately. We propose to sink our shaft to a depth of 400 ft. or to the water level and cross cut the ore 50 ft each way. The shaft will have to be timbered and we propose the standard sets of 4 ft x 6 ft. We belive we can do this timbering for six dollars a ft.

There are three of us Mr. Miller and we are the labor. The estimates given on labor by Mr Christensen were merly to try to show our worth or half of assistance. In reality we don't want any rent for the equiptment but in figuring that rental as allowed we figured that would take care of the hundred and one things that are never figured but show up later. We expect to remain on the job untill it is accomplished regardless of the time it takes.

There will undoubtly be parts to buy for the repairing the air compressor, air hammers hoist, blower, generator ect. it again is an estimated account. We will have to build a better head frame and building over the hoist + tools.

The equiptment consists of. air compressor, 2 air hammers hose, steel, generator, blower, hoist, engins. and pickups. plus other small tools.

H + I in question 23 is not the value of our equiptment but covers the cost of materials and supplys and everything we need to complete the project. It covers things we can't even think of in advance. We have tried to estimate all these things economicaly

Again question 24 is mearly an estimate of our labor it may take us twice as long to do the amount of work we are going to do but they say a miner and helper can do so much work for so much money. That is what we propose to do. We are going to put down a shaft 400 ft. 4'x6' with standard timbering and drift 50 ft each way on the ore to show that there is that much ore or more or less. if we are men enough to do it in less time than others can do it, we are going to do it. If it takes us three times as long to do it, then we are still worth no more than we could have lived it done.

Mr. Miller. I would very much like to explore this copper deposit with a core drill or even a churn drill. But we do not have any of that equiptment and I dont know if we could run a diamond core drill. I might get a job with some one using

one for a while and then take over. I have been a mechanic for over 30 years. and so could probaly build a good share of the outfit. We want to do the job the most economical way possible. Then on the other hand, Where this one is it is over 200 ft wide on the surface and we can trace it for over 2500 ft. lengthwise. We have a shaft down 50 ft deep and drifted 12 ft and all this is in 1.5 % copper ore. so as long as we are sinking in ore, don't you think it would be better to do it that way? Then if there is an enriched zone some where between 200 ft and 400 ft. we will be ready to produce. As long as we are asking for aid. We are willing to listen to reason. What we want is a mine producing ore.

I hope I have given you a true picture of things and if not pleas ask me for any information you want.

Very Sincerely

George R. Seals.

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~XXBUREAUXOFXMINESX~~
~~XXXREGIONXXXXXX~~
DEFENSE MINERALS ADMINISTRATION

1012 Flood Building
870 Market Street
San Francisco 2, Calif

~~XXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXXXX~~

OFFICE OF
~~XXREGIONALXDIRECTORX~~
Executive Officer
DMA Field Team
Region III

August 17, 1951

Memorandum

To: Tom Lyon, Chairman, Coordinating Committee, Defense Minerals Administration, Washington, D.C.

From: Executive Officer, DMA Field Team, Region III

Subject: Docket DMA-462X - Copper - George R. Seals, President, Victor Minerals, Inc., 7th Street, Victorville, Calif.

Reference is made to your subject "Review of Application for Exploration Assistance", dated July 18, 1951.

This property was originally examined on February 28, 1951, by W. T. Benson of the Bureau of Mines and W. P. Irwin of the Geological Survey, after the company had applied for a development loan of $204,000. Their report submitted in March 1951 is a part of Docket DMA-462. The examiners recommended that the development loan be denied.

On May 30, 1951 the company applied for an exploration loan of $25,000, and it is in respect to that exploration application that the property has been reconsidered by Mr. Irwin. His report, "DMA-462X, Victor Minerals, Inc., San Bernardino County, California (Copper)", dated August 16, 1951, is based in part on the recent data submitted by the property owners in their application for an exploration loan, but is based for the greater part on the joint examination held by Benson and Irwin on February 28, 1951.

Four copies of Mr. Irwin's report dated August 16, 1951, are attached.

The conclusion reached by Mr. Irwin is that the exploration program is not warranted owing to the improbability of discovering an ore body in the schist underlying the Blue Nugget claims.

Subject docket is being returned herewith.

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

Attachment
Copy to: E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 20 1951

FILE COPY
SURNAME:

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

JUL 18 1951

Bowen
Moon
Ron

Re: Docket No. DMA-462K

Mr. George R. Seals, President
Victor Minerals, Inc.
418 7th Street
Victorville, California

Dear Mr. Seals:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. H. C. Miller, Executive Officer, DMA Field Team, Region III, 1012 Flood Bldg., 870 Market Street, San Francisco 2, California.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

JWAlt:ez

Copy to: Executive Officer, DMA Field Team, Region III
Reports & Records Branch
Administrator's Reading File
Coordinating Committee
J. B. Gowen
Charles J. Johnson
D. MacLaren
Files

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

JUL 18 1951

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

Dear Sir:

We attach "Review of Application for Exploration Assistance"

on:

Docket No. DMA-462X

Commodity Copper ~~Bauxite~~

Applicant Mr. George R. Seals, President
Victor Minerals, Inc., ~~#1~~ 27 7th Street, Victorville, Calif.

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

Very truly yours,

Tom Lyon

Chairman
Coordinating Committee

Lowell B. Moon

For Bureau of Mines

Geo. W. Rose

For Geological Survey

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

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Applicant Mr. George R. Seals, President
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Lowell B. Moon

For Bureau of Mines

Olaf N. Rove

For Geological Survey

FILE COPY
SURNAME:

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

May 4, 1951

Mr. George R. Seals, President
Victor Minerals, Inc.
Adelanto Star Route
Victorville, California

Subject: DMA-462X

Re: Exploration loan of
$25,000-Blue Nugget Group

My dear Mr. Seals:

Receipt is acknowledged of your application and attachments of April 30, from the VICTOR MINERALS, INC., for an Exploration loan under the Defense Production Act of 1950.

The application was assigned docket number 462X and referred to Mr. J. B. Gowen, Chief, Copper Branch, on May 3.

In any future correspondence relating to your application, kindly refer to DMA-462X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel GN
Executive Secretary

LFSTROBEL:bh
Copy to: Strobel(2)
Files
Mr. Gowen
Mr. Lyon

Copy 462

May 4, 1951

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Adelanto Star Route
Victorville, California

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LFSTROBEL:bh
Copy to: Strobel(2)
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Mr. Gowen ✓
Mr. Lyon

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JWAlt:ez

DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS
ADMINISTRATION
RECEIVED
AUG 17 1951
SAN FRANCISCO, CALIFORNIA

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMA-462x, Victor Minerals, Inc.

San Bernardino County, California

(Copper)

William P. Irwin, Geologist
U. S. Geological Survey

August 16, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 21 1951

DMA 462x, Victor Minerals, Inc.
San Bernardino County, California

(Copper)

Victor Minerals, Inc., applied January 28, 1951 for a government loan of $204,000 to develop and operate the Blue Nugget Copper property near Hodge, San Bernardino County, California. W. T. Benson of the Bureau of Mines, and W. P. Irwin of the Geological Survey examined the property February 28, 1951, at the request of the Defense Minerals Administration. Their report, submitted in March 1951, is filed under DMA-462. They recommended that the loan be denied, as the exposed mineralized areas were too low grade to justify consideration of a development loan at that time.

On May 30, 1951, Victor Minerals, Inc., applied for Government participation in a $25,000 program to explore the Blue Nugget copper property. Judging from docket DMA-462x, the only work done on the property since the examination of February 28, 1951, has been an added ten feet of depth to the former 40-foot shaft.

The Blue Nugget claims are underlain by quartz-mica schist and quartzite. Several widely-spaced quartz veins crosscut the foliation of the schist, and range from a few inches to one foot in thickness. The occurrence of copper-bearing sulfide minerals is confined almost entirely to the quartz veins. The veins contain minor amounts of chalcopyrite and bornite. The schist, with the exception of that within a few feet of the veins, contains only minute amounts of chalcopyrite, possibly as much as 0.1 percent. Minor amounts of chrysocolla fill fractures in the schist and quartz veins.

Eight samples taken in the 50-foot shaft by the applicants are reported to range from 1.00 percent copper and $1.00 in gold per ton to 1.80 percent copper and $2.00 in gold per ton. They average 1.41 percent copper and $1.39 in gold per ton and would appear to indicate a remarkably uniform increase in values with depth. Two widely-spaced samples cut in the same shaft by Benson, over 5- and 6-foot widths, both assayed 0.79 percent copper and a trace of gold.

According to the owners of the property, "the ore body is a large body of schist with disseminated chalcocite, both primary and secondary." The "disseminated chalcocite", referred to by the owners, is believed to be a resinuous, dark reddish-brown variety of limonite that occurs in the schist. The origin of the limonite is not known, but the limonite appears to be at least in part pseudomorphic after pyrite. With the exception of the schist in close proximity to the quartz veins, chalcopyrite was the only copper-bearing sulfide observed in the schist.

The owners base their exploration plan on the possibility of encountering a zone of secondary enrichment at adepth of about 400 feet. In general, copper-sulfide minerals are deposited only at the expense of sulfide minerals that exsist in the zone of secondary enrichment, and

the replacement is one of equal volumes. Assuming that the conditions necessary for secondary enrichment may have existed, and assuming that the concentration of primary sulfide minerals at depth is like that in the rocks now exposed, it is doubtful that a copper deposit of economic value could form. In this area, the amount of primary sulfide minerals available for replacement in the schist appears to be so small that even if they were all replaced by chalcocite the deposit would be too low in grade to be mineable. The quartz veins are considerably richer in sulfide minerals than the schist, but are too narrow to form a mineable enriched orebody.

The exploration program proposed by Victor Minerals, Inc., is not recommended, owing to the improbability of its revealing enriched copper-bearing rock sufficiently high in grade to be of economic value.

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III - CALIFORNIA-NEVADA

DMA-462, Victor Minerals, Inc., San Bernardino County, Calif.

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

W. P. Irwin, Geologist
U. S. Geological Survey

DOCKET DMA 462

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

VICTOR MINERALS, INC., SAN BERNARDINO COUNTY, CALIF.

By W. T. Benson
& W. P. Irwin

SUMMARY

The Victor Minerals, Inc., copper prospect, situated in the Hodge Mining District, San Bernardino,Co., Calif., is about 12 miles southwest of Barstow, the supply and shipping point on the Union Pacific and Santa Fe Railroads.

Locations were first made on the property for the purpose of mining turquoise. The amount produced probably was small. The present locations are recent and only in the past few months has any attempt been made to develop the copper showings. There has been no production of copper from the property.

In the vicinity of the property, the area is underlain by a series of metasedimentary rocks. The series consists mainly of fine to medium grained quartz muscovite schist, quartz-biotite schist, and quartzite. The foliation of the rock has a northeasterly strike and ranges from vertical to a steep northwesterly dip. Numerous quartz veins, varying from a few inches to as much as a foot thick, cut across the foliation of the metasedimentary rocks.

Copper-bearing minerals are in places disseminated throughout the sedimentary rock and quartz veins. These minerals, listed in order of their decreasing abundance, are chalcocite, chalcopyrite and bornite.

Minor amounts of chrysocolla and turquoise in general occur as thin films on fracture surfaces.

Development on the property consists of numerous small pits and four shafts that vary in depth from 25 to 50 feet.

A series of samples taken from workings open to inspection, indicate the material exposed is too low grade to be economically mined under existing conditions.

Because of insufficient development, no estimate could be made of reserve tonnages. The small copper stained areas exposed in the schist belt are not sufficient evidence to assume the entire belt is underlain by copper mineralization. It is more probable that the better mineralized sections will be confined to small lenses widely spaced within the schist area.

Providing additional work is done by the owners, it would be advisable to revisit the property at some future date for the purpose of determining if the deposit warranted further consideration. The mineral showings presently developed are not sufficient to justify consideration of the loan at this time.

INTRODUCTION

As requested by the Defense Minerals Administration, the Victor Minerals, Inc. copper prospect, (George R. Seals), Victorville, Calif., DMA-462, was examined February 28, 1951 by an engineer[1/] of the Bureau of Mines and a geologist[2/] of the U. S. Geological Survey, accompanied by Geo. R. Seals, Wm. J. Johnstone and D. B. Christison, all of Victorville, Calif.

1/ W. T. Benson
2/ W. P. Irwin

Property holdings comprise a group of eight unpatented lode mining claims known as the Blue Nugget group which are situated in the Hodge Mining District, sec. 31 and 32, T. 9 N., R. 3 W., San Bernardino County, Calif., about 10 miles southwest of Barstow, the supply point on the Union and Santa Fe Railroads. A siding and loading ramp is situated on the railroad, 3-1/2 miles southeast.

To reach the property from Barstow, Highway 66 is followed southwest 10 miles to the Hinkley turnoff. From this point the Hinkley road is traveled 1.3 miles to the mine turnoff. The mine road is then followed 2.2 miles to the property.

HISTORY

The property was first located in the early 1920's and for a few years it was sporadically worked for turquoise. The amount produced is not known but judging from the extent of the workings, it probably was small.

The Nugget No. 1 and No. 2 locations were made by George R. Seals in 1946 and Nugget No. 3 to No. 8 were located in February 1951. Location work has not yet been completed. There has been no production of copper from the property.

PHYSICAL FEATURES

The claims are located on the southeast side of the Iron Mountain Range in an area of low relief at an altitude of about 2,500 feet. Climate in the area is typical of the southwest desert country with long, hot summers and moderate winters. Annual precipitation, in the form of rain and occasional light snows, averages about 4.5 inches.

Water for mining and milling needs can be taken from the Mojave River, 2 miles southeast. For domestic needs, water would have to be taken from wells, located near the river bottom. Varieties of desert shrubs and cacti constitute the vegetation near the property.

By extending a power line 2 miles northeast, transmitted electric power could be made available at the mine. At present, fuel oil for power generation is supplied in drums by truck from Barstow, 12 miles northeast.

HOUSING FACILITIES AND EQUIPMENT

No housing facilities are available on the property. Accommodations with board are available in the little settlements along the highway which are not too far removed from the property.

Equipment on the property consists of a four cylinder gas engine which has been converted to a compressor, and a small single drum hoist powered by a 2-horsepower gasoline motor.

GEOLOGY AND DESCRIPTION OF THE DEPOSIT

Rocks exposed in the mine area are fine to medium grained quartz muscovite schist, quartz biotite schist, and quartzite. The quartzites lie northeast and southwest of the schistose area. The foliation of the rock has a northeasterly strike, and ranges from vertical to a steep northwesterly dip. Numerous quartz veins, varying from a few inches to as much as a foot thick, cut across the foliation of the meta-sedimentary rocks. Most of the mineralized schist-bearing area is exposed. Only in isolated small sections are the sediments covered by surface overburden.

The mineralized schist-bearing area strikes about N. 60° E. It

varies in thickness from 50 to 100 feet, and is exposed for a distance of about 2,000 feet.

The outcrop of the deposit gives little indication of the mineralization immediately beneath the surface. This is apparently not due to leaching, but to removal by erosion of the softer mineralized part of the rock leaving a surface rubble of angular chips of resistant, white quartz. Only scattered fragments of chrysocolla give a clue to the presence of an ore zone.

In the mineralized portions of the schist belt, the oxide copper minerals occur principally along fractures in the rock. The main fractures tend to have a parallelism, striking and dipping with the foliation.

The primary copper ore, as seen in the 40 foot shaft, consists of chalcopyrite and bornite in about equal amounts, coating fractures and occurring as disseminated grains in the rock. The major part of these minerals appear to be on seams and fractures rather than as disseminated grains.

Chalcocite is present in the sulfide zone. It has been recognized near the bottom of the shaft, indicating the unaltered sulfide zone has been reached. As seen in the shaft, the chalcocite occurs in tiny seams along joint planes. In this working, the secondary enrichment is not important, since there is no evidence of any appreciable leaching or enrichment.

As evidenced by surface indications, the mineralized portions of the schist belt are probably confined to small isolated areas which are separated by sections of considerable length that are barren or only

slightly mineralized, and probably could not be considered as having economic importance.

DEVELOPMENT

In addition to several small pits excavated for discovery purposes, development openings on the property comprise four shafts that vary in depth from 25 to 50 feet. Except for the new 40 foot shaft, presently being sunk, the earlier workings are now inaccessible because of caving.

SAMPLING

For the purpose of determining the possible grade of the ore available for milling, a series of 5 samples were taken from dumps, shallow pits, and from the 40-foot shaft. Details regarding them follows:

Sample No.	Ounces Au	Ounces Ag	Percent Cu	Percent Pb	Percent Zn	Description
1405	0.005	0.10	1.10	0.1*	0.1*	Cut across 18 inches copper stained schist on claim #8 2,000 feet S.W. of 40-foot shaft.
1406	.005	.20	.68	.1*	.1*	Cut across 6 feet in bottom pit 75 feet S.W. of shaft.
1407	Tr	Tr	.79	.1*	.1*	Cut across 6 feet - 30 feet below collar 40-foot shaft.
1408	Tr	Tr	.79	.1*	.1*	Cut across 5 feet - 17 feet below collar 40-foot shaft.
1409	Tr	Tr	.43	.1*	.1*	Grab sample material on dump 40-foot shaft.

* Less than

ORE RESERVES

Because of insufficient development, no estimate could be made of reserve tonnages. The small copper stained areas exposed within the schist belt are not sufficient evidence to assume the entire area is

underlain by copper mineralization. From the surface evidence it is highly probable that the better mineralized sections will be confined to areas in which the copper mineralization will be localized in widely separated lenses along the strike of the schist belt.

PLAN OF OPERATION

Development of the property will probably continue in a small way. It is the plan of the company to deepen the shaft to the 100-foot level. From this elevation, cross-cut adits will probably be extended to determine the width of the mineralized section in the vicinity of the shaft.

CONCLUSIONS

Mineralization on the property probably will be confined to relatively small areas in which there has been some copper concentration. As determined by sampling, the better mineralized sections are too low grade to be economically worked on a small daily tonnage basis under existing conditions. Providing additional development work is done by the owners it would be advisable to revisit the property at some future date for the purpose of determining if the deposit warranted further consideration. The mineral showings presently developed are not sufficient to justify consideration of the loan at the present time.

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION XIX - CALIFORNIA-NEVADA

DMA-142, Victor Minerals, Inc., San Bernardino County, Calif.

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

W. P. Irwin, Geologist
U. S. Geological Survey

DOCKET DMA 462

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

VICTOR MINERALS, INC., SAN BERNARDINO COUNTY, CALIF.

By W. T. Benson
& W. P. Irwin

SUMMARY

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION XIX - CALIFORNIA-NEVADA

DMA-142, Victor Minerals, Inc., San Bernardino County, Calif.

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

W. P. Irwin, Geologist
U. S. Geological Survey

DOCKET DMA 462

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

VICTOR MINERALS, INC., SAN BERNARDINO COUNTY, CALIF.

By W. T. Benson
& W. P. Irwin

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2/ W. P. Irwin

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To reach the property from Barstow, Highway 66 is followed southwest 10 miles to the Hinkley turnoff. From this point the Hinkley road is traveled 1.3 miles to the mine turnoff. The mine road is then followed 2.2 miles to the property.

HISTORY

The property was first located in the early 1920's and for a few years it was sporadically worked for turquoise. The amount produced is not known but judging from the extent of the workings, it probably was small.

The Nugget No. 1 and No. 2 locations were made by George R. Seals in 1948 and Nugget No. 3 to No. 8 were located in February 1951. Location work has not yet been completed. There has been no production of copper from the property.

PHYSICAL FEATURES

The claims are located on the southeast side of the Iron Mountain Range in an area of low relief at an altitude of about 2,500 feet. Climate in the area is typical of the southwest desert country with long, hot summers and moderate winters. Annual precipitation, in the form of rain and occasional light snows, averages about 4.5 inches.

Water for mining and milling needs can be taken from the Mojave River, 2 miles southeast. For domestic needs, water would have to be taken from wells, located near the river bottom. Varieties of desert shrubs and cacti constitute the vegetation near the property.

By extending a power line 2 miles northeast, transmitted electric power could be made available at the mine. At present, fuel oil for power generation is supplied in drums by truck from Barstow, 12 miles northeast.

HOUSING FACILITIES AND EQUIPMENT

No housing facilities are available on the property. Accommodations with board are available in the little settlements along the highway which are not too far removed from the property.

Equipment on the property consists of a four cylinder gas engine which has been converted to a compressor, and a small single drum hoist powered by a 2-horsepower gasoline motor.

GEOLOGY AND DESCRIPTION OF THE DEPOSIT

Rocks exposed in the mine area are fine to medium grained quartz muscovite schist, quartz biotite schist, and quartzite. The quartzites lie northeast and southwest of the schistose area. The foliation of the rock has a northeasterly strike, and ranges from vertical to a steep northwesterly dip. Numerous quartz veins, varying from a few inches to as much as a feet thick, cut across the foliation of the meta-sedimentary rocks. Most of the mineralized schist-bearing area is exposed. Only in isolated small sections are the sediments covered by surface overburden.

The mineralized schist-bearing area strikes about N. 60° E. It

varies in thickness from 50 to 100 feet, and is exposed for a distance of about 2,000 feet.

The outcrop of the deposit gives little indication of the mineralization immediately beneath the surface. This is apparently not due to leaching, but to removal by erosion of the softer mineralized part of the rock leaving a surface rubble of angular chips of resistant, white quartz. Only scattered fragments of chrysocolla give a clue to the presence of an ore zone.

In the mineralized portions of the schist belt, the oxide copper minerals occur principally along fractures in the rock. The main fractures tend to have a parallelism, striking and dipping with the foliation.

The primary copper ore, as seen in the 40 foot shaft, consists of chalcopyrite and bornite in about equal amounts, coating fractures and occurring as disseminated grains in the rock. The major part of these minerals appear to be on seams and fractures rather than as disseminated grains.

Chalcocite is present in the sulfide zone. It has been recognized near the bottom of the shaft, indicating the unaltered sulfide zone has been reached. As seen in the shaft, the chalcocite occurs in tiny seams along joint planes. In this working, the secondary enrichment is not important, since there is no evidence of any appreciable leaching or enrichment.

As evidenced by surface indications, the mineralized portions of the schist belt are probably confined to small isolated areas which are separated by sections of considerable length that are barren or only

slightly mineralized, and probably could not be considered as having economic importance.

DEVELOPMENT

In addition to several small pits excavated for discovery purposes, development openings on the property comprise four shafts that vary in depth from 25 to 50 feet. Except for the new 40 foot shaft, presently being sunk, the earlier workings are now inaccessible because of caving.

SAMPLING

For the purpose of determining the possible grade of the ore available for milling, a series of 5 samples were taken from dumps, shallow pits, and from the 40-foot shaft. Details regarding them follows:

Sample No.	Ounces Au	Ounces Ag	Percent Cu	Percent Pb	Percent Zn	Description
1405	0.005	0.10	1.10	0.1*	0.1*	Cut across 18 inches copper stained schist on claim #8 2,000 feet S.W. of 40-foot shaft.
1406	.005	.20	.88	.1*	.1*	Cut across 6 feet in bottom pit 75 feet S.W. of shaft.
1407	Tr	Tr	.79	.1*	.1*	Cut across 6 feet - 30 feet below collar 40-foot shaft.
1408	Tr	Tr	.79	.1*	.1*	Cut across 5 feet - 17 feet below collar 40-foot shaft.
1409	Tr	Tr	.43	.1*	.1*	Grab sample material on dump 40-foot shaft.

* Less than

ORE RESERVES

Because of insufficient development, no estimate could be made of reserve tonnages. The small copper stained areas exposed within the schist belt are not sufficient evidence to assume the entire area is

underlain by copper mineralization. From the surface evidence it is highly probable that the better mineralized sections will be confined to areas in which the copper mineralization will be localized in widely separated lenses along the strike of the schist belt.

PLAN OF OPERATION

Development of the property will probably continue in a small way. It is the plan of the company to deepen the shaft to the 100-foot level. From this elevation, cross-cut adits will probably be extended to determine the width of the mineralized section in the vicinity of the shaft.

CONCLUSIONS

Mineralization on the property probably will be confined to relatively small areas in which there has been some copper concentration. As determined by sampling, the better mineralized sections are too low grade to be economically worked on a small daily tonnage basis under existing conditions. Providing additional development work is done by the owners it would be advisable to revisit the property at some future date for the purpose of determining if the deposit warranted further consideration. The mineral showings presently developed are not sufficient to justify consideration of the loan at the present time.

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION XII - CALIFORNIA-NEVADA

DMA-148, Victor Minerals, Inc., San Bernardino County, Calif.

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

W. P. Irwin, Geologist
U. S. Geological Survey

DOCKET DMA 462

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

VICTOR MINERALS, INC., SAN BERNARDINO COUNTY, CALIF.

By W. T. Benson
& W. P. Irwin

SUMMARY

The Victor Minerals, Inc., copper prospect, situated in the Hodge Mining District, San Bernardino,Co., Calif., is about 12 miles southwest of Barstow, the supply and shipping point on the Union Pacific and Santa Fe Railroads.

Locations were first made on the property for the purpose of mining turquoise. The amount produced probably was small. The present locations are recent and only in the past few months has any attempt been made to develop the copper showings. There has been no production of copper from the property.

In the vicinity of the property, the area is underlain by a series of metasedimentary rocks. The series consists mainly of fine to medium grained quartz muscovite schist, quartz-biotite schist, and quartzite. The foliation of the rock has a northeasterly strike and ranges from vertical to a steep northwesterly dip. Numerous quartz veins, varying from a few inches to as much as a feet thick, cut across the foliation of the metasedimentary rocks.

Copper-bearing minerals are in places disseminated throughout the sedimentary rock and quartz veins. These minerals, listed in order of their decreasing abundance, are chalcocite, chalcopyrite and bornite.

Minor amounts of chrysocolla and turquoise in general occur as thin films on fracture surfaces.

Development on the property consists of numerous small pits and four shafts that vary in depth from 25 to 50 feet.

A series of samples taken from workings open to inspection, indicate the material exposed is too low grade to be economically mined under existing conditions.

Because of insufficient development, no estimate could be made of reserve tonnages. The small copper stained areas exposed in the schist belt are not sufficient evidence to assume the entire belt is underlain by copper mineralization. It is more probable that the better mineralized sections will be confined to small lenses widely spaced within the schist area.

Providing additional work is done by the owners, it would be advisable to revisit the property at some future date for the purpose of determining if the deposit warranted further consideration. The mineral showings presently developed are not sufficient to justify consideration of the loan at this time.

INTRODUCTION

As requested by the Defense Minerals Administration, the Victor Minerals, Inc. copper prospect, (George R. Seals), Victorville, Calif., DMA-462, was examined February 28, 1951 by an engineer[1] of the Bureau of Mines and a geologist[2] of the U. S. Geological Survey, accompanied by Geo. R. Seals, Wm. J. Johnstone and D. B. Christison, all of Victorville, Calif.

1/ W. T. Benson
2/ W. P. Irwin

Property holdings comprise a group of eight unpatented lode mining claims known as the Blue Nugget group which are situated in the Hodge Mining District, sec. 31 and 32, T. 9 N., R. 3 W., San Bernardino County, Calif., about 10 miles southwest of Barstow, the supply point on the Union and Santa Fe Railroads. A siding and loading ramp is situated on the railroad, 3-1/2 miles southeast.

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HISTORY

The property was first located in the early 1920's and for a few years it was sporadically worked for turquoise. The amount produced is not known but judging from the extent of the workings, it probably was small.

The Nugget No. 1 and No. 2 locations were made by George R. Seals in 1946 and Nugget No. 3 to No. 8 were located in February 1951. Location work has not yet been completed. There has been no production of copper from the property.

PHYSICAL FEATURES

The claims are located on the southeast side of the Iron Mountain Range in an area of low relief at an altitude of about 2,500 feet. Climate in the area is typical of the southwest desert country with long, hot summers and moderate winters. Annual precipitation, in the form of rain and occasional light snows, averages about 4.5 inches.

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6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 462 X

Commodity COPPER

Total Amount $25.000.00

Govt. Participation $12.500.00

1. Name and Address of Applicant VICTOR MINERALS INC.
VICTORVILLE, CALIF.

2. Location of Property SEC. 31-32 T9N R3W BLUE NUGGET MINING GROUP HODGE MINING DISTRICT, SAN BERNARDINO COUNTY, CALIF.

3. Mineral or metal COPPER Is it listed in Section 9 of MO-5?

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

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? —

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

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? —

b) MF-202 —

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
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? No

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? No

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

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No 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? Yes

If not, what part of it is? —

10a The applicant proposes to sink a shaft in the zone of secondary enrichment which is estimated to be since the 400 foot level and also to drive some exploratory drifts in the rock just above the intermediate term prospecting - 6 to 18 months.

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? YES If so, attach a draft.

e) Are the cost estimates reasonable? No - LABOR TO HIGH

f) Should more information be requested from applicant? YES

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.

c) Is a field check needed? YES

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

a) Is it applicable? e & f NOT APPLICABLE - g IS APPLICABLE

b) Sufficient data? NO If so, attach a draft. $50.00 PER DAY - DOES NOT LIST MACHINERY.

c) Are rents and charges reasonable? CAN'T TELL

d) Is a field check needed? YES

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

a) Are there sufficient data? NO - DOESN'T GIVE NO OF WORK DAYS A WEEK.

b) Is the schedule adequate for the work proposed? DON'T KNOW FULL DETAILS OF PROPOSED WORK

c) Is the schedule excessive for the work proposed? SAME

d) Are the proposed wages and salaries reasonable? NO - TO HIGH

e) Is a field check needed? YES

10 e. LABOR	$10,000.00
REPAIRS	500.00
NEW FACILITIES	500.00
COST OF MATERIALS & SUPPLIES (INCLUDING ITEMS LESS THAN $50)	10,500.00
COST OF POWER, WATER, UTILITIES, ETC.	4,000.00
TOTAL	$25,000.00

14. Exhibit E (question 23-c)*

a) Is it applicable? YES

b) Sufficient data? NO

c) Reasonable? CAN'T ESTIMATE

d) Field check needed? YES

15. In your judgment, can the proposed work be done in the proposed time? CAN'T TELL - DON'T KNOW FULL DETAILS OF PROPOSED WORK

(All exploration must be completed within two years)

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

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? In ch total cost of $25,000 be ten not [illegible] on this [illegible] for [illegible]. All exhibits should be worked up with applicants in the field. Are question suitability of deep deep, tap-sinking, if any exploration is justified

Reviewed by: [illegible]

[illegible]

[illegible]

Date 7/16/51 J.R. Gowen

97692

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 462X

Commodity COPPER

Total Amount $25,000.00

Govt. Participation $12,500.00

1. Name and Address of Applicant VICTOR MINERALS INC.
VICTORVILLE, CALIF.

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If not, application will be rejected.

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

a) Good

b) Poor

c) None

d) Don't know—needs field examination ✓

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?

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

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? —

b) MF-202 —

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
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* YES

e) Power (question 13)* YES

Is a field check needed on any of these points? No

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? No

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

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No 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? YES

If not, what part of it is? —

10a. The applicant proposes to sink a shaft to the zone of secondary enrichment which is estimated to be near the 400 foot level and also to drive some exploratory drifts to block out the ore. Estimated time of completion - 6 to 18 months.

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? YES If so, attach a draft.

e) Are the cost estimates reasonable? No - LABOR TO HIGH

f) Should more information be requested from applicant? YES

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.

c) Is a field check needed? YES

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

a) Is it applicable? e & f NOT APPLICABLE - g IS APPLICABLE

b) Sufficient data? No If so, attach a draft. $50.00 PER DAY - DOES NOT LIST MACHINERY.

c) Are rents and charges reasonable? CAN'T TELL

d) Is a field check needed? YES

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

a) Are there sufficient data? No - DOSENT GIVE NO. OF WORK DAYS A WEEK

b) Is the schedule adequate for the work proposed? DON'T KNOW HOW DO TAKES OF PROPOSED WORK.

c) Is the schedule excessive for the work proposed? [illegible]

d) Are the proposed wages and salaries reasonable? [illegible]

e) Is a field check needed? YES

10 a.	LABOR	$10,000.00
	REPAIRS	500.00
	NEW FACILITIES	500.00
	COST OF MATERIAL & SUPPLIES (INCLUDING ITEMS LESS THAN $50)	10,000.00
	COST OF POWER, WATER, UTILITIES, ETC.	4,000.00
		25,000.00

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable? Can't Estimate

d) Field check needed? Yes

15. In your judgment, can the proposed work be done in the proposed time? Can't Tell - Don't Know Full Details of Proposed Work

(All exploration must be completed within two years)

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

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? In such total cost of $25,000 he has not figured in this rental for machinery. All exhibits should be worked up with applicant in the field. We question suitability of deep shaft sinking, if any explor. is justifiable

Reviewed by: [illegible]

C. Johnson

[illegible]

Date 7/16/51 [illegible]

97692

May 4, 1951

Mr. George R. Seals, President
Victor Minerals, Inc.
Adelanto Star Route
Victorville, California

Subject: DMA-462X

Re: Exploration loan of
$25,000-Blue Nugget Group

My dear Mr. Seals:

Receipt is acknowledged of your application and attachments of April 30, from the VICTOR MINERALS, INC., for an Exploration loan under the Defense Production Act of 1950.

The application was assigned docket number 462X and referred to Mr. J. B. Gowen, Chief, Copper Branch, on May 3.

In any future correspondence relating to your application, kindly refer to DMA-462X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:bh
Copy to: Strobel(2)
Files
Mr. Gowen
Mr. Lyon

Form MF-100
(April 1951)

U. DEPARTMENT OF THE INTER R
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 462

Date received 5/2/51

Participation

Victor Minerals Inc.
Victorville
Calif.

Name and address of applicant

Date April 30, 1951

FILL IN THIS BLOCK

Date of application April 30, 1951

Estimated cost $25,000.00

Mineral or metal Copper ore.

Percentage of Government participation 50%

Location of mine Hodge, Calif.

Date of filing MF-100 April 30, 1951

DMA Docket Number, if available 462

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

DMA 462 (Ex.)

836

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.

Victor Minerals Inc. (Name of company)

By George R. Seals (Signature of authorized official)

April 30, 1951 (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

Victor Minerals Inc.Victorville,Calif.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO M.O.5

The applicant:

6. There are no claims against this property whatsoever,nor liens nor encumbrances.

7.Not applicable

8.Our assets as a Corporation are the mining property of eight claims with a main shaft 50 feet deep fully timbered,a hoisting plant and Compressor,a generator,and neccesary tools to sink a shaft and drive a drift,considerable timber,all of which may be estimated to be valued by us as $5,000,00 worth of equipment and $25,000.00 the mining property.We have not shipped any ore to make any profit so this is net loss to us unless the mine is developed.

9.We are prepared to match dollar for dollar the cost of this project.The labor will be performed by us;and considerable material such as lumber will be supplied by us.

10.

(a) Sec.31-32 T9N R3W Blue Nugget Mining group Hodge Mining District.

(B) NE ¼ Section 31 T9N R3W. (Both the same.)

18.The ore could be milled at the mine by a mill built by a loan applied for from DMA or it may be milled at a custom mill at Barstow which is 13 miles away.

19.It is believed that the ore will recieve a secondary enrichment at or near the water level which is about 400'.

The exploration.

20.The ore is a large body of schist with disseminated Chalcocite,both primary and secondary.

21.We propose to sink a shaft to the zone of secondary enrichment which is estimated to be near the 400 foot level,then some exploratory drifts to block out the ore. The work can be pushed and done in six months or may take eighteen months to finish if not rushed.

22. The bureau of Mines Third division made a survey of the property ten weeks ago and we have not heard a single word from them as yet.no doubt the report is available to your office.

23.

(a)Labor needed-1 miner @$22.00 ,1 mucker @$18.00,1 hoistman @$20.00 per day.Total $60.00 per day.Total cost $10,000.00 for labor to sink 400ft.

(b)No supervisors needed.

(c)$500 for repairs.

(d)$500 for new facilities.

(e) none

(f) no machinery to be rented.

(g) Our machinery valued at $50,per day rental.

(h)$10,000.00

(i)$4,000.00

24. The project will be finished in approximately one year.A shaft 400 feet deep or to water level and some drifting at or near that level.
Approximate cost $50.00 per foot,the labor being one half of the cost.This we will furnish as well as some of the materials.as our investment in the project.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. _____

Date received _____

Victor Minerals Inc.
Victorville
Calif.

Name and address of applicant

Date April 30,1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address	Official Title (If officer is also director indicate by "D")	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year	Estimated Net Worth Outside of Interest in Applicant	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common	Preferred	Amount	Net Cash Surrender Value After Loans
GeorgeR. Seals (a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
George R. Seals	President	0		NONE	Dito	Dito	0
Thomas C. Knight	Vice. Pres.	0					0
W.J.Johnstone	Sec. Treas.	0		ISSUED			0
Douglas B. Christison	Gen.Manager.	0					0
Arthur R.Shields	Director	0					0
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

None Issued

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

No ore has been shiped yet

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

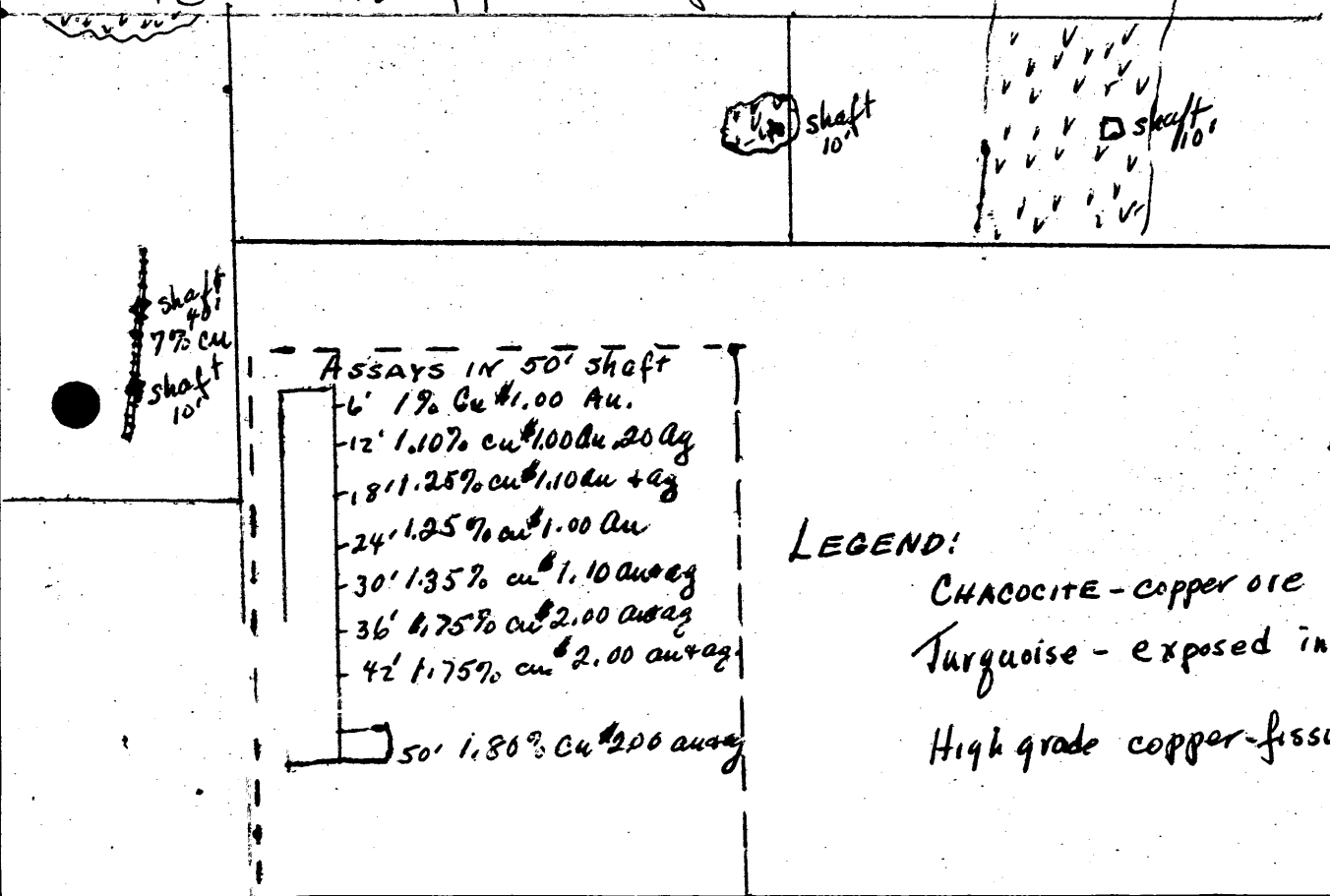
12. Ore or Mineral Reserves:

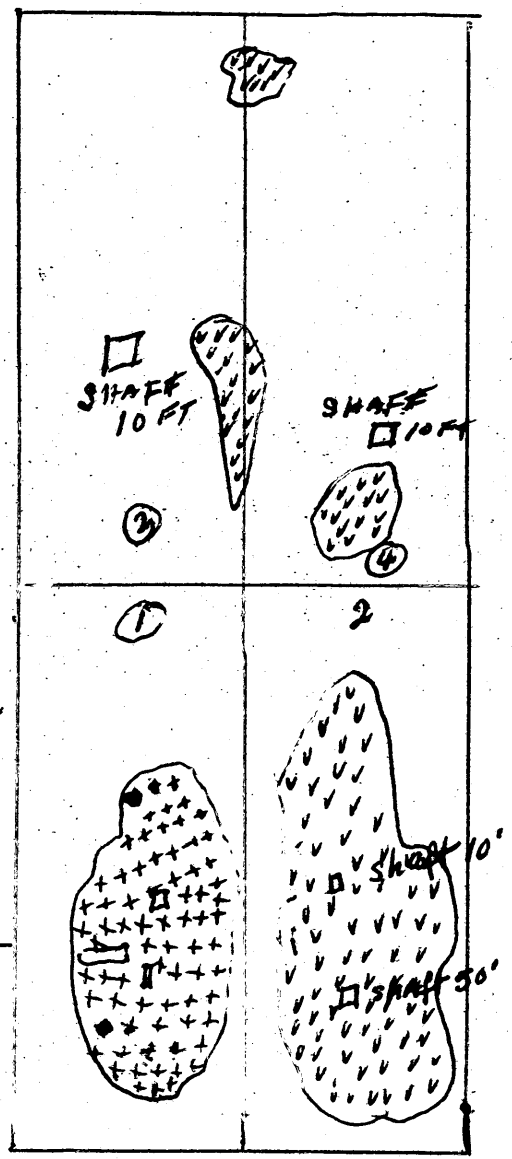
(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

The Victor Minerals Inc.Victorville Calif.
General Technical Data.Form MF-100
Materials produced:
(a) Copper ore is the chief mine product.
(b) By products:Gold Silver,Iron.
2.Blue Nugget Mining group.
(a)50 feet deep in one shaft,10 feet deep in six other shafts. c
(b)12 feet in one crosscut.
(c) There are no tunnels.
(d)Not flooded,no pumping expected.
3.
(a)Three miles to the nearest town and shipping point.
(b)Hodge mining district.
(c)Sec.31 &32 Township9E 3W
(d)San Bernardino County,Calif.
4.
(a)Operated by the Victor Minerals ,Owners.
(b) Victor Minerals Inc. Owners.
5. Prospect,will begin shipping ore as soon as proven and a mill built.
6.Experience of operators.
(a) George R.Seals,retired garage owner and rancher,has been prspecting for the last five years.
(b)Thomas C.Knight,retired Technician, has been prospesting for the las five years.
(c)Douglas B. Christison,twenty years experience metal mining and milling,at one time had charge of the sinking of a shaft from surface to twelve hundred feet.
(D)William J.Johnstone,Attorney at law.
7.History.
(a) A comparitively new operation.Worked by shallow diggings for turquoise some years previously.The shaft we have sunk is all new work and all in low grade copper ore.No shipping ore has been encountered.
(b)Some small mines hearby have shipped copper ore assaying 7%. copper with $4.00 Gold.and silver.
(c) U.S.Bureau of Mines and the U.S.Geolegical Survey both recently made an examination of the property.They have not as yet furnished us with any report or indicated what they thought of the property although it has been ten weeks since they left here.This report Probably is on file in your bureau under our docket #462.
8,9,10,form MF-100
11.If ore is opened up shipments will begin at once.
12.Description of property.
The ore deposit is known to be 400 feet long and 200 feet wide and 50 feet depth.We suppose it to b e 500 feet deep and 2000 feet square.It is a copper ore in schist, the principal ore mineral being Chalcocite with minor portions of Bornite and Chalcopyrite.
13.Good roads mostly paved to shipping points 3 miles distant and to the supply point 13 miles away.
14.Adequate water supply from the river.
15. Consumption of power will be dependent upon what equipment we use. At present we use twenty gallons of gas to sink 3 feet.

Victor Minerals Inc
Victorville
Calif

Blue nugget Group





LEGEND:

CHACOCITE - copper ore exposed on surface

Turquoise - exposed in open cuts

High grade copper-fissure vein

LEGEND:
CHALCOCITE - COBBLES CEMENTED ON SURFACE
MALACHITE - CEMENTED IN OPEN GRAVEL
High grade cobble-fragments
1
2
3
4
5
10'
20'

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	1,000,000	1½%Cu.$2Au	$8	90%	$4.
Indicated (probable)	50,000,000	2½%Cu.$3Au.	$13.	90%	$2.

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: I Miner, I Mucker, I Hoist man

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation. Hoist, Compressor and Pneumatic drills

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

No.

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.

Victor Minerals, Inc.
(Name of company)

By George R. Seals
(Signature of authorized official)

April 30, 1951
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

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 462

Date received 5/2/51

Participation

Victor Minerals, Inc.
Victorville
California

Name and address of applicant

Date April 30, 1951.

FILL IN THIS BLOCK

Date of application April 30, 1951

Estimated cost $25,000.00

Mineral or metal Copper ore

Percentage of Government participation 50%

Location of mine Hodge, Calif.

Date of filing MF-100 April 30, 1951

DMA Docket Number, if available 462

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				
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*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.

Victor Minerals Inc. (Name of Company) By George R. Seals (Signature of authorized official)

April 30, 1951 (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

Victor Minerals Inc,Victorville,Calif.

Application for AID FOR AN EXPLORATION PROJECT PURSUANT TO M.O.5

The Applicant.

6.There are no liens,claims or encumbrances whatsoever against the property.

7.Not applicable.

8.Our assets as a corporation are the mining property of eight claims with a main shaft of 50 feet depth,fully timbered,a hoisting plant and compressor Generator and necesary tools to sink a shaft and drive a drift,considerable timber,all of which may be estimated by us to have a value of $5,000.00 worth of equipment and $25,000.00 the mining property.We have not shipped any ore to make any profit so this is net loss to us unless the mine is developed.

9.We are prepared to match dollar for dollar the cost of this project.The labor will be performed by us and considerable material such as lumber will be supplied by us.

10.

(a)Sec.31-32 T9N R3W Blue nugget mining Group.Hodge Mining District.

(b) NE ¼ Section 31 T9N R3W.(Both the same.)

15.The ore could be milled at the mine by amill built by a loan applied for from DMA or it can be milled at a custom mill at Barstow 13 miles away

19.It is believed the ore will receive a secondary enrichment at or near the water level which is about 400 feet.

The exploration.

20.The ore is a large body of schist with disseminated Chalcocite,both primary and secondary.

21.We propose to sink a shaft to the zone of secondary enrichment which is estimated to be near the 400 foot level,then some exploratory drifts to block out the ore. The work can be pushed and done i six months or may take eight teen months if the work is not rushed.

22.The Bureau of Mines third division made a survey of the property ten weeks ago and we have not heard a single word from them as yet. No doubt the report is available to your office.

23.

(a) Labor needed*1Miner@$22.00,1 mucker @$18.00,1 hoistman @$20.00 per day.Total $60.00 per day.Total cost of lbor $10,000.00 to sink 400 feet.

(b) No supervisors needed.

(c)$500 for repairs.

(d)$500 for new facilities.

(e)None.

(f)No new machinery to be rented.

(g)Our machinery valued at $50.00 per day rental.

(h)$10,000.00

(i)$4,000.00

24.The project will be finished in approximately one year.A shaft 400 feet deep or to water level and some drifting at or near that level.

Approximate cost $50.00 per foot,the labor being one half the cost.This we will furnish as well as some of the materials as our investment in the project.

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 462

Date received 5/2/51

Participation

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUL 2 0 1951
SAN FRANCISCO, CALIFORNIA

Victor Minerals, Inc.
Victorville
California

Name and address of applicant

Date April 30, 1951.

FILL IN THIS BLOCK

Date of application April 30, 1951

Estimated cost $25,000.00

Mineral or metal Copper ore

Percentage of Government participation 50%

Location of mine Hodge, Calif.

Date of filing MF-100 April 30, 1951

DMA Docket Number, if available 462

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. none
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.

Victor Minerals Inc. (Name of company)

By George R. Seals (Signature of authorized official)

April 30, 1951 (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

Victor Minerals Inc,Victorville,Calif.

.pplication for AID FOR AN EXPLORATION PROJECT PURSUANT TO M.O.5

The Applicant.

5.There are no liens,claims or encumbrances whatsoever against the property.

7.Not applicable.

8.Our assets as a corporation are the mining property of eight claims with a main shaft of 50 feet depth,fully timbered,a hoisting plant and compressor generator and necesary tools to sink a shaft and drive a drift,considerable timber,all of which may be estimated by us to have a value of $5,000.00 worth of equipment and $25,000.00 the mining property.We have not shipped any ore to make any profit so this is net loss to us unless the mine is developed.

9.We are prepared to match dollar for dollar the cost of this project.The labor will be performed by us and considerable material such as lumber will be supplied by us.

10.

(a)Sec.31-32 T9N R3W Blue nugget mining Group.Hodge Mining District.

(b) NE ¼ Section 31 T9N R3W.(Both the same.)

15.The ore could be milled at the mine by amill built by a loan applied for from DMA or it can be milled at a custom mill at Barstow 13 miles away

19.It is believed the ore will receive a secondary enrichment at or near the water level which is about 400 feet.

The exploration.

20.The ore is a large body of schist with disseminated Chalcocite,both primary and secondary.

21.We propose to sink a shaft to the zone of secondary enrichment which is estimated to be near the 400 foot level,then some exploratory drifts to block out the ore. The work can be pushed and done i six months or may take eighteen months if the work is not rushed.

22.The Bureau of Mines third division made a survey of the property ten weeks ago and we have not heard a single word from them as yet. No doubt the report is available to your office.

23.

(a) Labor needed*1Miner@$22.00,1 mucker @$18.00,1 hoistman @$20.00 per day.Total $60.00 per day.Total cost of lbor $10,000.00 to sink 400 feet.

(b) No supervisors needed.

(c)$500 for repairs.

(d)$500 for new facilities.

(e)None.

(f)No new machinery to be rented.

(g)Our machinery valued at $50.00 per day rental.

(h)$10,000.00

(i)$4,000.00

24.The project will be finished in approximately one year.A shaft 400 feet deep or to water level and some drifting at or near that level.

Approximate cost $50.00 per foot,the labor being one half the cost.This we will furnish as well as some of the materials as our investment in the project.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 462X

Date received 5/21/51

Victor Minerals Inc.
Victorville,
California.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED
JUL 2 0 1951
SAN FRANCISCO, CALIFORNIA

Name and address of applicant

Date May30,1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
George R. Seals	President	0		None Issued	None Issued	None Issued	0
Thomas C. Knight	Vice Pres.	0					0
W. J. Johnstone	Sec. Treas.	0					0
Douglas B. Christison	Gen. Manager	0					0
Arthur R. Shields	Director	0					0
							0
	Total	0	x x x x x	0	0	x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

None issued.

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: No ore has been shipped as yet.

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral dep[illegible] briefly. Accompany the application by a[illegible]ilable report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	1,500,000	1½Cu.$2Au	$8.00	90%	$4
Indicated (probable)	50,000,000	2½Cu.$3Au	$10.00	90%	$2

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.
1 Miner, 1 mucker, 1 hoistman.

17. Equipment and Facilities: Hoist and compressor, pneumatic drills.

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.
No

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.

Victor Minerals Inc.
(Name of company)

By George R. Seals
(Signature of authorized official)

April 30, 1951
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

The Victor Mine[illegible]s Inc. Victorville Calif[illegible]

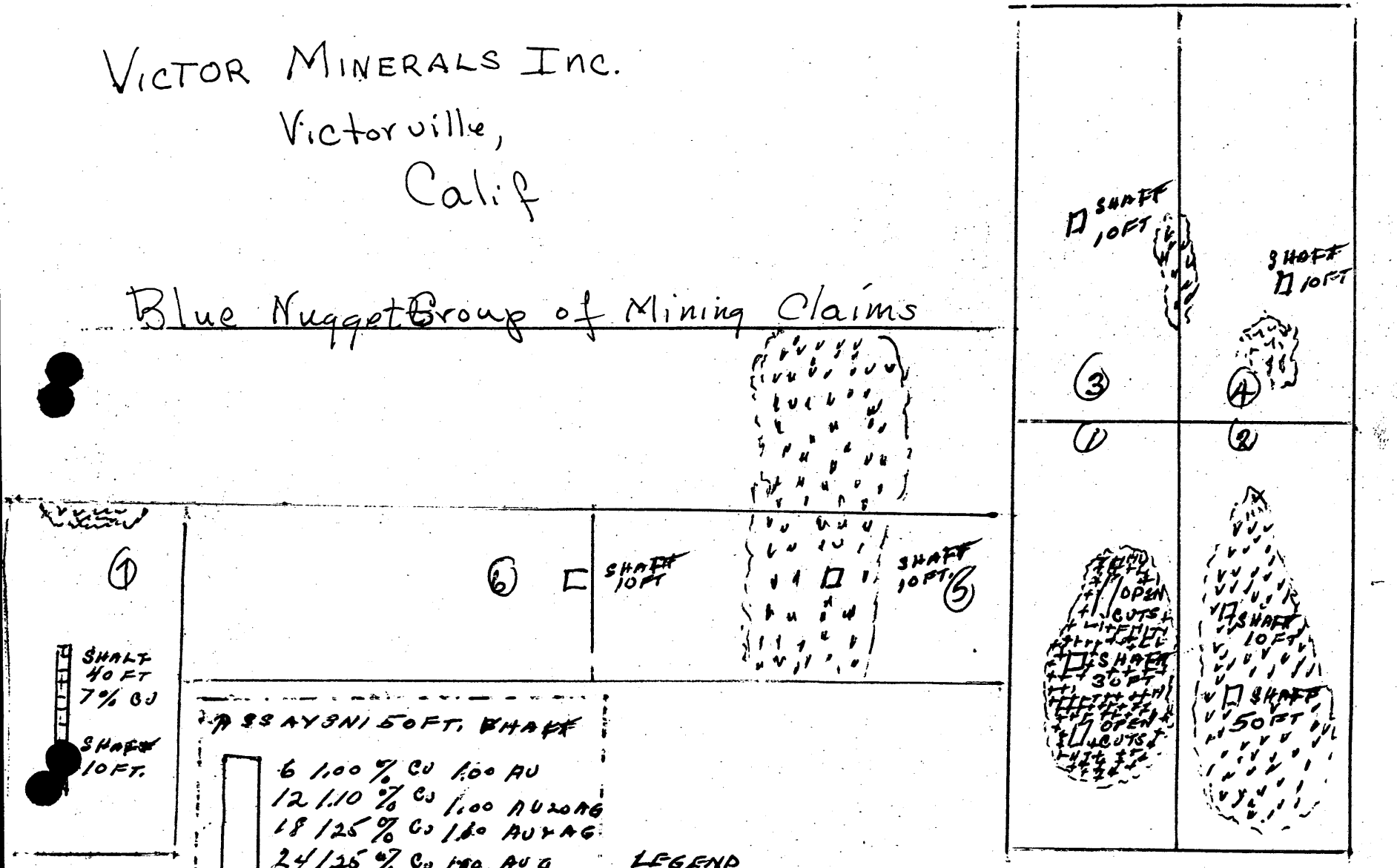
General Technical Data.Form MF-100
Materials produced:
(a) Copper ore is the chief mine product.
(b) By products:Gold Silver,Iron.
2.Blue Nugget Mining group.
(a)50 feet deep in one shaft,10 feet deep in six other shafts. c
(b)12 feet in one crosscut.
(c) There are no tunnels.
(d)Not flooded,no pumping expected.
3.
(a)Three miles to the nearest town and shipping point.
(b)Hodge mining district.
(c)Sec.31 &32 Township9E 3W
(d)San Bernardino County,Calif.
4.
(a)Operated by the Victor Minerals ,Owners.
(b) Victor Minerals Inc. Owners.
5. Prospect,will begin shipping ore as soon as proven and a mill built.
6.Experience of operators.
(a) George R.Seals,retired garage owner and rancher,has been prspecting for the last five years.
(b)Thomas C.Knight,retired Technician, has been prospesting for the las five years.
(c)Douglas B. Christison,twenty years experience metal mining and milling,at one time had charge of the sinking of a shaft from surface to twelve hundred feet.
(D)William J.Johnstone,Attorney at law.
7.History.
(a) A comparitively new operation.Worked by shallow diggings for turquoise some years previously.The shaft we have sunk is all new work and all in low grade copper ore.No shipping ore has been encountered.
(b)Some small mines hearby have shipped copper ore assaying 7%. copper with $4.00 Gold.and silver.
(c) U.S.Bureau of Mines and the U.S.Geological Survey both recently made an examination of the property.They have not as yet furnished us with any report or indicated what they thought of the property although it has been ten weeks since they left here.This report Probably is on file in your bureau under our docket #462.
8,9,10,form MF-100
11.If ore is opened up shipments will begin at once.
12.Description of property.
The ore deposit is known to be 400 feet long and 200 feet wide and 50 feet depth.We suppose it to b e 500 feet deep and 2000 feet square.It is a copper ore in schist, the principal ore mineral being Chalcocite with minor portions of Bornite and Chalcopyrite.
13.Good roads mostly paved to shipping points 3 miles distant and to the supply point 13 miles away.
14.Adequate water supply from the river.
15. Consumption of power will be dependent upon what equipment we use. At present we use twenty gallons of gas to sink 3 feet.

VICTOR MINERALS INC.

Victorville,

Calif

Blue Nugget Group of Mining Claims



ASSAYS IN 50FT. SHAFT

6	1.00 % CU	1.00 AU	
12	1.10 % CU	1.00 AU	20 AG
18	1.25 % CU	1.00 AU	4 AG
24	1.25 % CU	1.00 AU	9
30	1.35 % CU	1.10 AU	4 AG
36	1.75 % CU	2.00 AU	4 AG
42	1.75 % CU	2.00 AU	4 AG
50	1.80 CU	2.00 AU	4 AG

ALL ASSAYS TAKEN AS GRAB SAMPLES FROM MUCK PILE

LEGEND

CHALCOCITE – COPPER ORE EXPOSED ON SURFACE

TURQUOISE – EXPOSED IN OPEN CUTS

HIGH GRADE COPPER – FISSURE VEIN

LEGEND
CHAIN LINK FENCE - CLOSED AND EXPOSED AT ENTRANCE
TUNNELIZED - EXPOSED AT OPEN END
HIGH GRADE CONCRETE - PIERCING WALL
ALL ASSEMBLY TAKEN AS
GRAB SUMMARY FROM MAIN
DATE
A 100 W/O 60 100 BA
B 100 W/O 60 100 BA
C 100 W/O 60 100 BA
D 100 W/O 60 100 BA
E 100 W/O 60 100 BA
F 100 W/O 60 100 BA
G 100 W/O 60 100 BA
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Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 462

Date received 5/2/51

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION II
RECEIVED
JUL 2 0 1951
SAN FRANCISCO, CALIFORNIA

Victor Mineral Inc.
Victorville,
Calif

Name and address of applicant

Date April 30, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☑ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
George R. Seals	President	0		NONE ISSUED	D	D	0
Thomas C. Knight	Vice. Pres.	0			1	1	0
W.J.Johnstone	Sec.Treas.	0			t	t	0
Douglas B.Christison	Gen.Manager	0			t	t	0
Arthur R.Shields	Director	0			o	o	0
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

None Issued

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

No ore has been shiped as yet

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	1,000,000	1½%Cu.$2Au	$8.	90%	$4.
Indicated (probable)	50,000,000	2½%Cu.$3Au.	$13.	90%	$2.

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

Iminer, I Mucker, I Hoist man.

17. Equipment and Facilities:

Hoist, Compresor, Pneumatic drills.

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

No

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.

Victor Minerals, Inc.
(Name of company)

By George R. Seals
(Signature of authorized official)

April 30, 1951
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

The Victor Minerals Inc. Victorville Calif

General technical data. Form MF-100

1.Materials produced:

(a) What are the chief mine products ?---Copper ore.

(b) By Products:Gold,silverand iron.

2.Blue Nugget Mining group.

(a) 50 feet in one shaft.

(b) 10 feet deep in each of six shafts.

(c) 12 feet in one crosscut.

(d) There are no tunnels.

#3. Not flodded.No pumping expected.

3.

(a)Three miles from the nearest town and shipping point.

(b)Hodge Mining district.

(c) Sec.31 & 32 Township 9E Range 3 W.

(d) San Bernardino County,Calif.

4.

(a)Operated by the Victor Minerals Inc.Owners.

(b) Victor Minerals Inc. Owners.

5. Prospect.Will begin production as soon as proven and a mill built ore shipping ore uncovered.

6.Experience of operators:

(a)George R.Seals,retired Garage owner and rancher.Has been prospecting the last five years.

(b)Thomas C.Knight,retired technician.Prospecting the last five years.

(c)Douglas B.Christison,twenty years experience metal mininig and milling,all of it in management or owner operator.At one time had charge of the sinking of a shaft from surface to a depth of twelve hundred feet.

(d)William J.Johnstone.Attorney at Law.

7.History.

(a)A comparitively new operation.Worked by shallow diggings for turquoise some years previously.The shaft we have sunk is all new work and all in low grade copper ore in a schist formation. No shipping ore encountered as yet.

(b)Some small mines nearby have shipped copper ore assaying 7% copper with $4.00 Gold and silver.

(c) U.S.Bureau of mines recently made an examination of the property,as also did the U.S.Geological Survey.They have not as yet furnished us with any report or indicated what they thought of the propertyalthough it has been ten weeks since they left here.This report is probaby on file with your bureau under our docket #462.

8,9,10,form MF-100.

11.If ore is opened up shipments will begin at once.

12.

(a)Describe Property:

the ore deposit is known to be 400 feet long and 200 feet wide and 50 feet deep.We suppose it to be 500 feet deep and 2000 feet square.It is a copper ore in schist,the principal mineral being Chalcocite with minor portions of Bornite and Chalcopyrite.

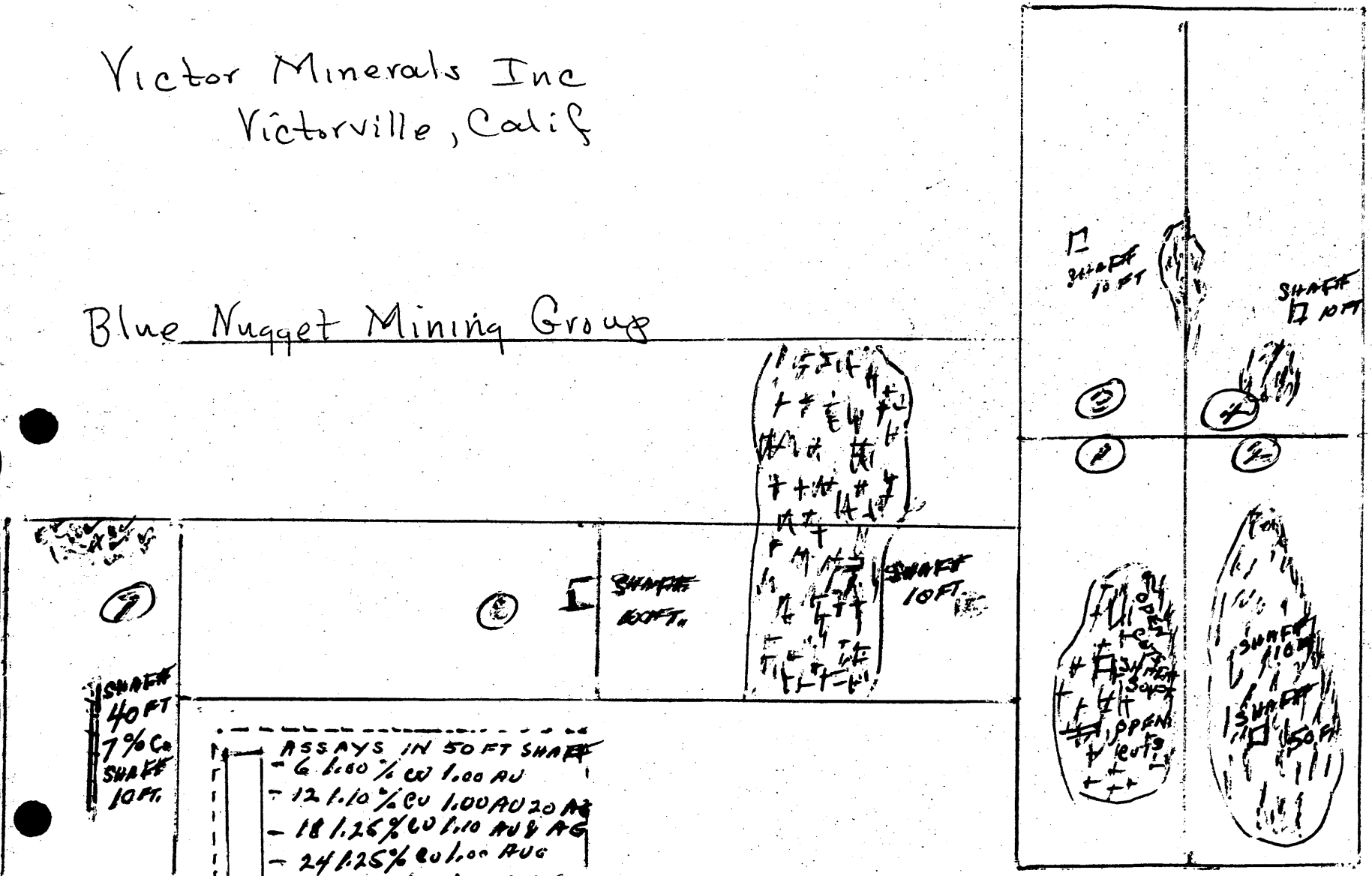
13.Good roads mostly paved to shipping points 3 miles away and to the supply point 13 miles away.

14.Adequate water supply from the river.

15.Consumption of power will be dependent upon what equipment we use.at present we use twenty gallons of gas to sink 3 feet.

Victor Minerals Inc
Victorville, Calif

Blue Nugget Mining Group



ASSAYS IN 50 FT SHAFT
- 6 1.60% CU 1.00 AU
- 12 1.10% CU 1.00 AU 20 AG
- 18 1.26% CU 1.10 AU & AG
- 24 1.25% CU 1.00 AUG
- 30 1.36% CU 1.10 AU & AG
- 36 1.76% CU 2.00 AU & AG
- 42 1.75% CU 2.00 AU & AG
- 50 1.80% 2.00 AU & AG

ALL ASSAYS TAKEN AS GRAB SAMPLES FROM MUCK PILE

LEGEND CHALCOCITE - COPPER ORE EXPOSED ON SURFACE

TURQUISE - EXPOSED IN OPEN CUTS

HIGH GRADE COPPER FISSURE VEIN

LEGEND
SHALLOW COPPER - COPPER ORE EXPOSED ON SURFACE
TAR DUMPS - EXPOSED IN OPEN CUTS
HIGH GRADE COPPER
PIERCE VEIN
ALL ASSAYS TAKEN AS
GRAB SAMPLES FROM
MACK DIRE
ASSAYS IN 20 FT SHAFT
SHAFT
SHAFT
SHAFT
SHAFT
SHAFT
SHAFT

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 462

Date received 5-2-51

Victor Mineral Inc.
Victorville,
Calif

Name and address of applicant

Date April 30, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. 12
   (*c*) Linear feet of tunnels or adits. 0
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☒ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
George R. Seals	President	0		NONE ISSUED	D i t t o	D i t t o	0
Thomas C. Knight	Vice. Pres.	0					0
W. J. Johnstone	Sec. Treas.	0					0
Douglas B. Christison	Gen. Manager	0					0
Arthur R. Shields	Director	0					0
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

None Issued

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production: No ore has been shiped as yet

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

The Victor Mineral Inc.Victorville Calif.

General technical data. Form MF-100

1.Materials produced:

(a) What are the chief mine products ?---Copper ore.

(b) By Products:Gold,silverand iron.

2.Blue Nugget Mining group.

(a) 50 feet in one shaft.

(b) 10 feet deep in each of six shafts.

(c) 12 feet in one crosscut.

(d) There are no tunnels.

#3. Not flodded.No pumping expected.

3.

(a)Three miles from the nearest town and shipping point.

(b)Hodge Mining district.

(c) Sec.31 & 32 Township 9E Range 3 W.

(d) San Bernardino County,Calif.

4.

(a)Operated by the Victor Minerals Inc.Owners.

(b) Victor Minerals Inc. Owners.

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8,9,10,form MF-100.

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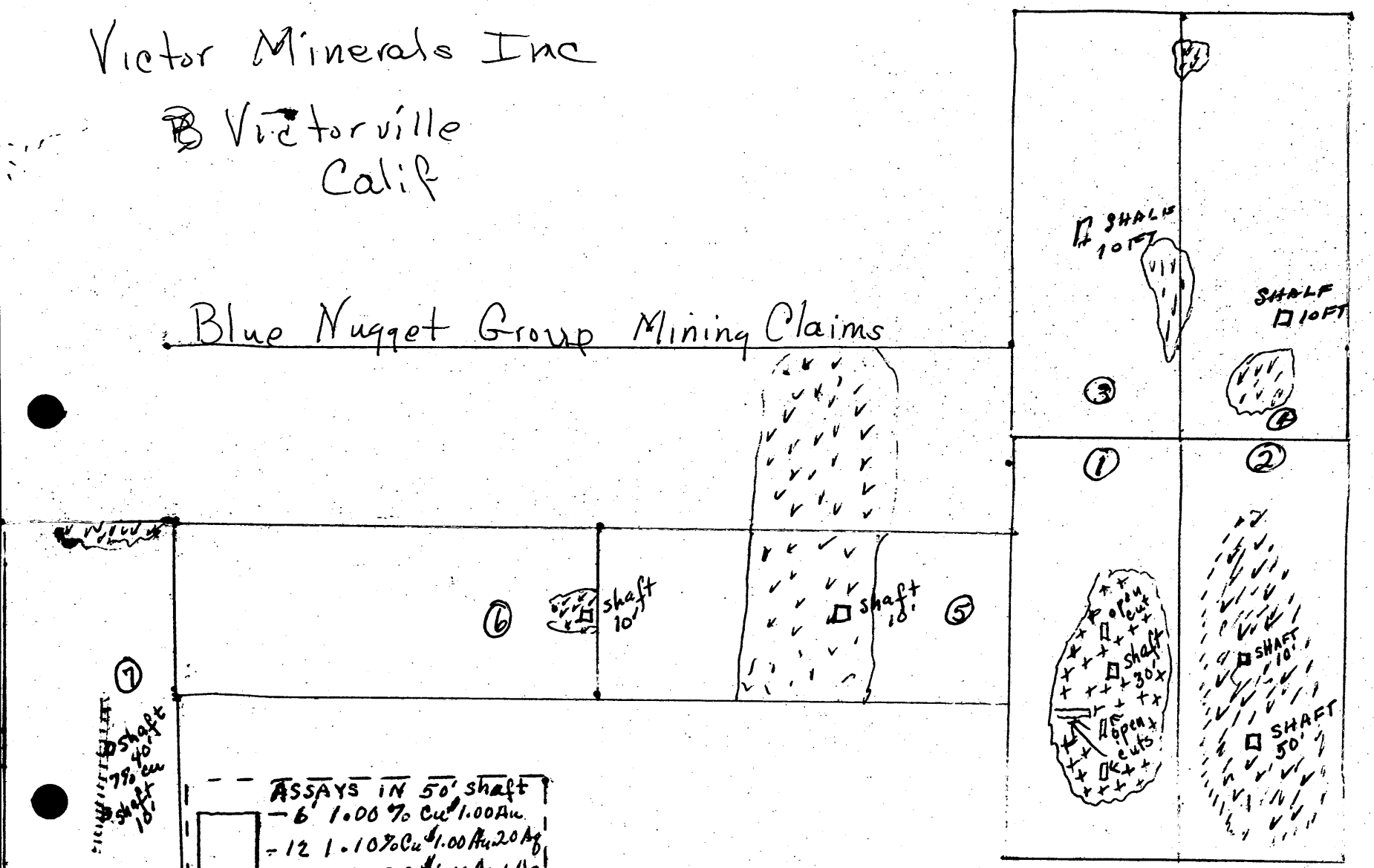
14.Adequate water supply from the river.

15.Consumption of power will be dependent upon what equipment we use.at present we use twenty gallons of gas to sink 3 feet.

Victor Minerals Inc

Victorville
Calif

Blue Nugget Group Mining Claims



ASSAYS IN 50' shaft

- 6' 1.00 % Cu 1.00 Au
- 12 1.10% Cu 1.00 Au 20 Ag
- 18 1.25% Cu 1.10 Au+Ag
- 24 1.25% Cu 1.00 Au+Ag
- 30 1.35% Cu 1.10 Au+Ag
- 36 1.75% Cu 2.00 Au+Ag
- 42 1.75% Cu 2.00 Au+Ag
- 50' 1.80% Cu 2.00 Au+Ag

ALL ASSAYS TAKEN AS Grab samples from muck pile.

LEGEND: Chalcocite - Copper ore exposed on surface
Turquoise - exposed in open cuts
High Grade Copper - Fissure Vein

LEGEND: Malachite - copper pig exposed on surface
Turquoise - exposed in open cuts
High Grade Copper - Eastern Vein
ASSAYS IN % SHEET
ALL ASSAYS TAKEN AS GROUP
SHAFT
SHAFT
SHAFT

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	I,000,000	I½%Cu.$2Au	$8.	90%	$4.
Indicated (probable)	50,000,000	2½%Cu.$3Au.	$I3.	90%	$2.

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

Iminer, I Mucker, I Hoist man.

17. Equipment and Facilities:

Hoist, Compresor, Pneumatic drills.

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

No

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.

Victor Minerals, Inc.
(Name of company)

By George R. Seals
(Signature of authorized official)

April 30, I95I
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

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 462

Date received 5/2/51

Participation

Victor Minerals Inc.
Victorville
Calif.

Name and address of applicant

Date April 30, 1951

FILL IN THIS BLOCK

Date of application April 30, 1951

Estimated cost $25,000.00

Mineral or metal Copper ore.

Percentage of Government participation 50%

Location of mine Hodge, Calif.

Date of filing MF-100 April 30, 1951

DMA Docket Number, if available 462

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.

Victor Minerals Inc. (Name of company) By George R. Seals (Signature of authorized official)

April 30, 1951 (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

Victor Minerals Inc.Victorville,Calif.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO M.O.5

The applicant:

6. There are no claims against this property whatsoever,nor liens nor encumbrances.

7.Not applicable

8.Our assets as a Corporation are the mining property of eight claims with a main shaft 50 feet deep fully timbered,a hoisting plant and Compressor,a generator,and neccesary tools to sink a shaft and drive a drift,considerable timber,all of which may be estimated to be valued by us as $5,000,00 worth of equipment and $25,000.00 the mining property.We have not shipped any ore to to make any profit so this is net loss to us unless the mine is developed.

9.We are prepared to match dollar for dollar the cost of this project.The labor will be performed by us;and considerable material such as lumber will be supplied by us.

10.

(a) Sec.31-32 T9N R3W Blue Nugget Mining group Hodge Mining District.

(B) NE ¼ Section 31 T9N R3W. (Both the same.)

18.The ore could be milled at the mine by a mill built by a loan applied for from DMA or it may be milled at a custom mill at Barstow which is 13 miles away.

19.It is believed that the ore will recieve a secondary enrichment at or near the water level which is about 400'.

The exploration.

20.The ore is a large body of schist with disseminated Chalsocite,both primary and secondary.

21.We propose to sink a shaft to the zone of secondary enrichment which is estimated to be near the 400 foot level,then some exploratory drifts to block out the ore. The work can be pushed and done in six months or may take eighteen months to finish if not rushed.

22. The bureau of Mines Third division made a survey of the property ten weeks ago and we have not heard a single word from them as yet.no doubt the report is available to your office.

23.

(a)Labor needed-1 miner @$22.00 ,1 mucker @$18.00,1 hoistman @$20.00 per day.Total $60.00 per day.Total cost $10,000.00 for labor to sink 400ft.

(b)No supervisors needed.

(c)$500 for repairs.

(d)$500 for new facilities.

(e) none

(f) no machinery to be rented.

(g) Our machinery valued at $50,per day rental.

(h)$10,000.00

(i)$4,000.00

24. The project will be finished in approximately one year.A shaft 400 feet deep or to water level and some drifting at or near that level.
Approximate cost $50.00 per foot,the labor being one half of the cost.This we will furnish as well as some of the materials.as our investment in the pro project.