DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~XXXX~~ Docket No. 2318

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EXPLORATION PROJECT

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Routing Slip
(ONE COPY TO USGS & ONE TO USBM)

To:	CODE 400 RM. 3538	Date	1-7-52
To:	Operating Com.	Date	3-28-52
To:	Op. Com.	Date	7-23-52
To:		Date	
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CONTROLLED DOCUMENT

Acting Administrator, DMEA July 14, 1952

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $22,380.00
Docket No. DMEA 2318 - Tungsten
Cedric A. Duncan
S½, Sec. 31, T. 2 N., R. 3 E., SBBM
San Bernardino County, California

The denial of the subject application by this Division is based on the following information:

(1) An examination by the Field Team of this area covered by the application indicated only one pod of tactite containing scheelite. The pod was several inches in diameter. No other occurrences were noted.

(2) There is no geologic probability of finding any significant deposit of tungsten ore.

(3) The Commodity Division of the U. S. Geological Survey recommends denial.

The Field Team did note the occurrence of scheelite at a 75-foot inclined shaft on the adjoining Double Cross claim, also owned by the applicant. This inclined shaft follows the dip of a tactite zone that is conformable to the bedding of the enclosing limestone. The scheelite is confined to a zone of sheared tactite that follows the hanging wall and ranges from a fraction of an inch to a foot in thickness. Along the west wall of the inclined shaft, between 10 and 20 feet from the face, the tactite was estimated to contain 5 percent WO_3 over a width of about ½ foot. The shaft is bottomed in granodiorite. The applicant did not consider this occurrence worthy of further investigation.

/s/ G. C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

G
FARutledge:ls 7/14/52
cc: Docket
Admn. Reading File
F. A. Rutledge
G. C. Selfridge
Operating Committee

EXPLORATION

JUL 24 1952

Mr. Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

Re: Docket No. DMEA 2318 - Tungsten
N½ Sec. 31, T. 2 N., R. 3 E., SBBM
San Bernardino County, California

Dear Mr. Duncan:

Your application for an exploration project and other reports concerning the subject property available to us in Washington have been carefully reviewed.

This information, while noting a small occurrence of tungsten mineralization, indicates that, geologically, there is little probability of making a significant mineral discovery. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing this property to our attention.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Administrator
Defense Minerals Exploration
Administration

FARutledge:le 7/31/52

cc: Docket
Admn. Reading File
Field Team, Reg. 3
G. C. Selfridge
F. A. Rutledge
Operating Committee
D. M. Lemmon, USGS
R. W. Geehan, USBM

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

400

Office of
Executive Officer
DMEA Field Team
Region III

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

June 30, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 2318X (Tungsten), Cedric A. Duncan, 347 E. Redondo Beach Blvd., Gardena, California

Reference is to your "Review of Application for Exploration Assistance," dated March 31, requesting an examination of the subject applicant's property in San Bernardino County, California.

Attached are four copies of a report - DMEA 2318, C. A. Duncan, San Bernardino County, California, (tungsten), by W. P. Irwin and H. L. Sobel, Geologists, U. S. Geological Survey, dated June 25, 1952.

It is recommended that the applicant's request for Government aid be denied, as he proposes to explore ground that shows no evidence of ore containing tungsten-bearing minerals.

The docket is being returned herewith.

H. C. MILLER

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

Enclosures

Copy to E. H. Bailey, USGS

JUL 7 - 1952

400

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 2318, C. A. Duncan

San Bernardino County, California

(tungsten)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
(Library)
JUL 7 - 1952

W. P. Irwin, Geologist
H. L. Sobel, Geologist
U. S. Geological Survey

June 25, 1952

Summary

An application was submitted in March 1952 by C. A. Duncan requesting Government participation in a $22,380 project to explore his tungsten deposits in San Bernardino County, California. In response to a request from the Defense Minerals Exploration Administration, W. P. Irwin and H. L. Sobel of the Geological Survey examined the deposits on June 11, 1952, in the company of Mr. Duncan. They recommend that the applicant's request be denied, as there appears to be little chance of producing commercial quantities of tungsten ore from the deposits.

Introduction

The Duncan property consists of the S½ sec. 31, T. 2 N., R. 3 E., SBBM and the Double Cross mining claim adjoining it on the east. It is at an altitude of about 7700 feet on the northern slope of the San Bernardino Mountains, about 12 miles east-southeast of Big Bear Lake, San Bernardino County, California. The property is accessible by driving southeast on the Mt. Rose road for about 7 miles from its intersection with State Highway 18 near Baldwin Lake, and then driving southerly for about 7 miles on the Broom Flat road.

The only workings on S½ sec. 31 are a 10-foot pit near the east boundary and several pits only a few feet in depth. The workings on the Double Cross claim consist of a 75-foot inclined shaft and a nearby vertical shaft that is inaccessible but appears to be about 100 feet deep. The inclined shaft on the Double Cross claim is about 200 feet N.20°E. of the 10-foot pit on the S½ sec. 31

Geology

The area is underlain principally by crystalline limestone with interbedded schist and quartzite. These rocks have been intruded by irregular bodies of medium-grained granodiorite. Tactite bodies occur where the granodiorite is in contact with the limestone and certain beds of limestone that trend away from the contact have also been selectively replaced. The tactite consists mainly of epidote and quartz, with minor amounts of garnet and mica.

The 10-foot pit near the east end of the S½ sec. 31 exposes a sheared tactite zone that strikes N.30°E., dips 55 degrees northwest, and is about 3 feet thick. Granodiorite forms the footwall and limestone the hanging wall. The contacts between these rocks and the tactite are gradational, and in places along the contact between granodiorite and tactite the granodiorite is pegmatite. At other places along the contact irregular pods of mica-rich tactite occur. The pods are several inches in diameter, and only one of them contains scheelite.

A bold outcrop of quartzite overlain by biotite schist near the south side of S½ sec. 31 is known as the "Black Ledge". Along the ledge the contact between the two rocks strikes N.30°E and dips 48 degrees northwest. Mr. Duncan mistook the quartzite to be "porphyry" and believed the

contact to be a good place to dig for scheelite, but no scheelite was seen in either of the rocks.

The 75-foot inclined shaft on the Double Cross claim follows the dip of a tactite zone that is conformable to the bedding of the enclosing limestone. The bedding strikes N.65°E. and dips 36 degrees northwest. The tactite consist of epidote, chlorite, quartz, and garnet, and pinches and swells from less than a foot to as much as 3 feet in thickness. A fairly continuous shear zone in the tactite follows the hanging wall and ranges from a fraction of an inch to a foot in thickness. Scheelite occurs only in the sheared tactite, and along most of the length of the inclined shaft the rock lamps an estimated 1 to 2 percent WO_3 over an average width of about 1/4 foot. Along the west wall of the inclined shaft, between points 10 and 20 feet from the face, the tactite lamps about 5 percent WO_3 over a width of about 1/2 foot. Granodiorite terminates the tactite and limestone at a point about 10 feet from the face.

Exploration

Mr. Duncan proposes to explore the Black Ledge by driving an adit from a point about 50 feet lower than the outcrop to the contact between the quartzite and biotite schist. The plan is thoroughly impractical, as no scheelite is exposed at the surface, nor is scheelite to be expected along the contact at depth.

The only scheelite deposit seen that would interest a competent prospector is the one opened by the inclined shaft on the Double Cross claim. There it is possible that a "shoestring" mining operation could profitably produce a few hundred units of WO_3 from narrow stopes along the thin scheelite-bearing tactite zone. Mr. Duncan however, seemed only mildly interested in this deposit, and furthermore is probably incompetent to conduct such an operation on an economical basis. Exploration funds were not requested for this deposit. Moreover, small-scale development is indicated, rather than exploration.

Conclusion

It is recommended that the applicant's request for Government aid be denied.

IN REPLY REFER TO:

G-MD-CF

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

400

Memorandum July 10, 1952

To: George C. Selfridge, DMEA

From: D. M. Lemmon, USGS

Subject: Field Report DMEA 2318 - Tungsten
Cedric A. Duncan
347 E. Redondo Beach Blvd.,
Gardena, California

Property: Duncan property consists of the S½ sec. 31, T. 2 N., R. 3 E., San Bernardino County, California.

Geology: This property was examined June 11, 1952 by W. P. Irwin and H. L. Sobel of the Geological Survey. Their report, dated June 25, shows that tungsten minerals are not present on the property and there is no geologic likelihood of finding tungsten.

Recommendation: I concur with the recommendation that the application be denied.

D M Lemmon

EXPLORATION

Mr. Cedric A. Duncan
347 West Redondo Beach Blvd.
Gardena, California

Re: Docket No. DMEA 2318 - Tungsten
South half of Sec. 31, T. 2 N., R. 3 W.
Morongo Mining District
San Bernardino County, California

Dear Mr. Duncan:

Thank you for your letter of May 19, 1952, which informs us that the above-noted property is now in your name and that the deed is recorded in San Bernardino.

We do not require further proof as your letter is sufficient.

As soon as we receive the field team report on your property, we shall continue with the processing of your application.

Sincerely yours,

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

GCSelfridge:lm
5/23/52

cc: Admn. Reading File
Docket
R. W. Geehan, USGW
D. M. Lemmon, USGS
Field Team Reg. III
G. C. Selfridge

MAR 3 1 1952

Mr. Cedric A. Duncan
947 East Redondo Beach Blvd.
Gardena, California

Re: Docket No. DMEA 2318X - Tungsten
S.½, Sec. 31, T. 2 N., R. 3 E.
Morongo Mining District
San Bernardino County, California

Dear Mr. Duncan:

Your application for assistance in exploring the above-noted property in San Bernardino County has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for field examination.

The Regional Office will contact you at an early date in regard to the examination of your property. Any assistance that you might give to members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Acting Administrator
Defense Minerals Exploration
Administration

GCSelfridge:ls
3/27/52

cc; Docket
Admn. Reading File
Operating Committee
Field Team, Region 3
G. C. Selfridge
R. W. Geehan, USBM
D. M. Lemmon, USGS

Iron and Ferro-Alloy Division - Code 400

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

MAR 31 1952

Miller, Reg 3

Dear Sir:

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

Applicant Cedric A. Duncan

Docket No. Dmea 2318x- Tungsten

Commodity Tungsten

Amount $ $22,380

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

Sincerely yours,

(signed) FRANK E. JOHNSON

Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

J. H. Hedges

Member, Bureau of Mines

T. P. Thayer

Member, Geological Survey

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA 2318

Commodity Tungsten

Total Amount $22,380.00

Govt. Participation $16,785.00

1. Name and Address of Applicant Cedric A. Duncan, 347 E Redondo Beach Blvd, Gardena, California.

2. Location of Property S½, Section 31, T. 2 N., R. 3 E., San Bernardino County.

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

If not, application will be rejected.

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

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

a) Good _____

b) Poor _____

c) None _____

d) Don't know—needs field examination Yes

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

IN REPLY REFER TO:

G-MD-DML

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

March 11, 1952

Memorandum

To: George C. Selfridge, DMEA

From: D. M. Lemmon, U.S.G.S.

Subject: Additional information from applicant DMEA 2318 - Tungsten
Exploration application
Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

Mr. Duncan's letters of February 12 and March 2 do not clarify his application to any extent, though they suggest that he is not competent to run a prospect. It appears that Duncan does have some tungsten mineralization on a mineral claim in the section adjoining the land he wishes to prospect, but does not plan to explore it further. He has not yet found any scheelite in the area he proposes to prospect.

Duncan's detailed cost estimate makes no sense. The total of $22,380 includes substantial expenses for equipment (which could be rented at a fraction of the cost) and for additions to his summer camp.

No adequate plan or objective is given for exploration.

The correspondence suggests that the property might warrant some prospecting with U-V light and pick-and-shovel to determine if any tungsten mineralization is present. This prospecting should have been done before application for an exploration loan. No exploration is warranted if mineralization cannot be found at the surface.

The Geological Survey has not examined this property. Inasmuch as a field examination was requested of a nearby property (DMEA 2310) on February 8, it is suggested that the Field Team be requested to examine the Duncan property at the same time.

DM Lemmon

DMLemmon:gt

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

4+7A

February 19, 1952

Memorandum

To: G. C. Selfridge, D.M.E.A.

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application IMEA 2318
Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

As a letter requesting additional information was sent to the applicant on February 5, 1952, by your office, the subject docket is being held without comment pending receipt of reply.

Robert W. Geehan

RWGeehan:alk

cc: Mr. Geehan
Mr. Katlin
Ferrous Metals & Alloys Branch
Files
Mr. Selfridge.

Jr 7 E 2

George Selfridge, DMEA

January 9, 1952

D. M. Lemmon, USGS

Exploration application $22,380
Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

DMEA 2318 - Tungsten

Property: S. ½ sec. 31, R. 2 N., T. 3 E.
Morongo district
San Bernardino County, California

Proposal: The applicant proposes to trench an area with bulldozer. If this is not successful in uncovering tungsten ore, then 2 adits about 75 feet long will be dug.

Criticism: The applicant does not cite any evidence of tungsten mineralization on the property to be explored. No map showing proposed work is enclosed, and no description indicating that the applicant has a plan of exploration or an objective.

Recommendation: The applicant should be requested to provide more information before this application is given further consideration.

This deposit is in the same district as DMEA 2310 (T.P.A. No. 1 claim, sec. 2, T. 2 N., R. 2 E.), which was recommended for field referral on January 7.

Don Lemmon

DMLemmon:gt

Copies to: Director's read. file
Branch read. file

FEB 25 1952

Mr. Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

Re: Docket No. MMA 2318 - Tungsten
South half of Sec. 31, T. 2 N., R. 3 E.
Moronge Mining District
San Bernardino County, California

Dear Mr. Duncan:

Receipt is acknowledged of your letter dated February 12, 1952, together with the attached map and cost data, all pertaining to the subject docket.

Relative to the ownership of the land, it is noted that you have a contract to purchase the land from the Southern Pacific Land Company and this contract has three years to run. It is also noted that if you enter into a deal with the Government that you would then clear the property and would be the sole owner.

Since the Southern Pacific Land Company is the apparent owner of the land in question, it will be necessary that you either furnish us with a copy of the purchase agreement and six of the seven enclosed copies of the subordination agreement (Form MF-202) signed by the Southern Pacific Land Company, or furnish us with evidence of your ownership.

The above information is necessary as we would be unable to process an application involving property that does not have a fixed status.

Sincerely yours,

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

Enclosures
GGGentry:GCSelfridge:ls
2/20/52

cc: Admn. Reading File
Docket
Field Team, Reg. 3
R. W. Gaehan, USBM
D. M. Lemmon, USGS

cc: G. G. Gentry
G. C. Selfridge

400 FILE COPY
SURNAME:

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

Rutledge
Selfridge
Geehan
Lemmon
Hedges

JUL 24 1952

Mr. Cedric A. Duncan
347 N. Redondo Beach Blvd.
Gardena, California

Re: Docket No. DMEA 2318 - Tungsten
S½ Sec. 31, T. 2 N., R. 3 E., SBBM
San Bernardino County, California

Dear Mr. Duncan:

Your application for an exploration project and other reports concerning the subject property available to us in Washington have been carefully reviewed.

This information, while noting a small occurrence of tungsten mineralization, indicates that, geologically, there is little probability of making a significant mineral discovery. We regret, therefore, to inform you that your application is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing this property to our attention.

Sincerely yours,

(signed) FRANK E. JOHNSON
(JLB)

Acting Administrator
Defense Minerals Exploration
Administration

P.N. 7-24-52

FARutledge:ls 7/21/52

cc: Docket
Admn. Reading File
Field Team, Reg. 3
G. C. Selfridge
F. A. Rutledge
Operating Committee
D. M. Lemmon, USGS
R. W. Geehan, USBM

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Acting Administrator, DMEA DATE: July 14, 1952

FROM : Iron and Ferro-Alloy Division, DMEA

SUBJECT: Denial of application for exploration assistance in the amount of $22,380.00
Docket No. DMEA 2318 - Tungsten
Cedric A. Duncan
S½, Sec. 31, T. 2 N., R. 3 E., SBBM
San Bernardino County, California

The denial of the subject application by this Division is based on the following information:

(1) An examination by the Field Team of the area covered by the application indicated only one pod of tactite containing scheelite. The pod was several inches in diameter. No other occurrences were noted.

(2) There is no geologic probability of finding any significant deposit of tungsten ore.

(3) The Commodity Division of the U. S. Geological Survey recommends denial.

The Field Team did note the occurrence of scheelite at a 75-foot inclined shaft on the adjoining Double Cross claim, also owned by the applicant. This inclined shaft follows the dip of a tactite zone that is conformable to the bedding of the enclosing limestone. The scheelite is confined to a zone of sheared tactite that follows the hanging wall and ranges from a fraction of an inch to a foot in thickness. Along the west wall of the inclined shaft, between 10 and 20 feet from the face, the tactite was estimated to contain 5 percent WO_3 over a width of about ½ foot. The shaft is bottomed in granodiorite. The applicant did not consider this occurrence worthy of further investigation.

G. C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Acting Administrator, DMEA

July 14, 1952

Rutledge
Selfridge
Keehan
Lemmon

Iron and Ferro-Alloy Division, DMEA

Denial of application for exploration assistance in the amount of $22,380.00
Docket No. DMEA 2318 - Tungsten
Cedric A. Duncan
S½, Sec. 31, T. 2 N., R. 3 E., SBBM
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/s/ G. C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

FARutledge:ls 7/14/52
cc: Docket
Admn. Reading File
F. A. Rutledge
G. C. Selfridge
Operating Committee

5D

IN REPLY REFER TO:

G-MD-CF

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

Memorandum July 10, 1952

To: George C. Selfridge, DMEA

From: D. M. Lemmon, USGS

Subject: Field Report DMEA 2318 - Tungsten
Cedric A. Duncan
347 E. Redondo Beach Blvd.,
Gardena, California

Property: Duncan property consists of the S½ sec. 31, T. 2 N., R. 3 E., San Bernardino County, California.

Geology: This property was examined June 11, 1952 by W. P. Irwin and H. L. Sobel of the Geological Survey. Their report, dated June 25, shows that tungsten minerals are not present on the property and there is no geologic likelihood of finding tungsten.

Recommendation: I concur with the recommendation that the application be denied.

Dwight M. Lemmon

Copy retained 406

IN REPLY REFER TO:

G-MD-CF

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

Memorandum July 10, 1952

To: George C. Selfridge, DMEA

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Recommendation: I concur with the recommendation that the application be denied.

D M Lemmon

IN REPLY REFER TO:

G-MD-CF

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

Memorandum July 10, 1952

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Recommendation: I concur with the recommendation that the application be denied.

DM Lemmon

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 2318, C. A. Dunogn

San Bernardino County, California

(tungsten)

DEPARTMENT OF ...
Defense ...
JUL 7 - 1952

W. P. Irwin, Geologist
H. L. Sobel, Geologist
U. S. Geological Survey

June 25, 1952

Reviewed by
DMEA OPERATING COMMITTEE
7-11-52
(date)

Summary

An application was submitted in March 1952 by C. A. Duncan requesting Government participation in a $22,380 project to explore his tungsten deposits in San Bernardino County, California. In response to a request from the Defense Minerals Exploration Administration, W. P. Irwin and H. L. Sobel of the Geological Survey examined the deposits on June 11, 1952, in the company of Mr. Duncan. They recommend that the applicant's request be denied, as there appears to be little chance of producing commercial quantities of tungsten ore from the deposits.

Introduction

The Duncan property consists of the S½ sec. 31, T. 2 N., R. 3 E., SBM and the Double Cross mining claim adjoining it on the east. It is at an altitude of about 7700 feet on the northern slope of the San Bernardino Mountains, about 12 miles east-southeast of Big Bear Lake, San Bernardino County, California. The property is accessible by driving southeast on the Mt. Rose road for about 7 miles from its intersection with State Highway 18 near Baldwin Lake, and thendriving southerly for about 7 miles on the Broom Flat road.

The only workings on S½ sec. 31 are a 10-foot pit near the east boundary and several pits only a few feet in depth. The workings on the Double Cross claim consist of a 75-foot inclined shaft and a nearby vertical shaft that is inaccessible but appears to be about 100 feet deep. The inclined shaft on the Double Cross claim is about 200 feet N.70°E. of the 10-foot pit on the S½ sec. 31

Geology

The area is underlain principally by crystalline limestone with interbedded schist and quartzite. These rocks have been intruded by irregular bodies of medium-grained granodiorite. Tactite bodies occur where the granodiorite is in contact with the limestone and certain beds of limestone that trend away from the contact have also been selectively replaced. The tactite consists mainly of epidote and quartz, with minor amounts of garnet and mica.

The 10-foot pit near the east end of the S½ sec. 31 exposes a sheared tactite zone that strikes N.30°E., dips 55 degrees northwest, and is about 3 feet thick. Granodiorite forms the footwall and limestone the hanging wall. The contacts between these rocks and the tactite are gradational, and in places along the contact between granodiorite and tactite the granodiorite is pegmatite. At other places along the contact irregular pods of mica-rich tactite occur. The pods are several inches in diameter, and only one of them contains scheelite.

A bold outcrop of quartzite overlain by biotite schist near the south side of S½ sec. 31 is known as the "Black Ledge". Along the ledge the contact between the two rocks strikes N.30°E and dips 46 degrees northwest. Mr. Duncan mistook the quartzite to be "porphyry" and believed the

contact to be a good place to dig for scheelite, but no scheelite was seen in either of the rocks.

The 75-foot inclined shaft on the Double Cross claim follows the dip of a tactite zone that is conformable to the bedding of the enclosing limestone. The bedding strikes N. 75° W. and dips 36 degrees northwest. The tactite consist of epidote, chlorite, quartz, and garnet, and pinches and swells from less than a foot to as much as 3 feet in thickness. A fairly continuous shear zone in the tactite follows the hanging wall and ranges from a fraction of an inch to a foot in thickness. Scheelite occurs only in the sheared tactite, and along most of the length of the inclined shaft the rock lamps an estimated 1 to 2 percent WO_3 over an average width of about 1/4 foot. Along the west wall of the inclined shaft, between points 10 and 20 feet from the face, the tactite lamps about 5 percent WO_3 over a width of about 1/2 foot. Granodiorite terminates the tactite and limestone at a point about 10 feet from the face.

Exploration

Mr. Duncan proposes to explore the Black Ledge by driving an adit from a point about 50 feet lower than the outcrop to the contact between the quartzite and biotite schist. The plan is thoroughly impractical, as no scheelite is exposed at the surface, nor is scheelite to be expected along the contact at depth.

The only scheelite deposit seen that would interest a competent prospector is the one opened by the inclined shaft on the Double Cross claim. There it is possible that a "shoestring" mining operation could profitably produce a few hundred units of WO_3 from narrow stopes along the thin scheelite-bearing tactite zone. Mr. Duncan however, seemed only mildly interested in this deposit, and furthermore is probably incompetent to conduct such an operation on an economical basis. Exploration funds were not requested for this deposit. Moreover, small-scale development is indicated, rather than exploration.

Conclusion

It is recommended that the applicant's request for Government aid be denied.

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

Office of
Executive Officer
DMEA Field Team
Region III

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

June 30, 1952

Memorandum

To: Frank E. Johnson, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 2318X (Tungsten), Cedric A. Duncan, 347 E. Redondo Beach Blvd., Gardena, California

Reference is to your "Review of Application for Exploration Assistance," dated March 31, requesting an examination of the subject applicant's property in San Bernardino County, California.

Attached are four copies of a report - DMEA 2318, C. A. Duncan, San Bernardino County, California, (tungsten), by W. P. Irwin and H. L. Sobel, Geologists, U. S. Geological Survey, dated June 25, 1952.

It is recommended that the applicant's request for Government aid be denied, as he proposes to explore ground that shows no evidence of ore containing tungsten-bearing minerals.

The docket is being returned herewith.

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

Enclosures

Copy to E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FILED
JUL 7 - 1952

FILE COPY 400
SURNAME:

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

Selfridge
Wittenkopf

MAY 26 1952

Mr. Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

Re: Docket No. DMEA 2326 - Tungsten
South half of Sec. 31, T. 2 N., R. 3 E.
Morongo Mining District
San Bernardino County, California

Dear Mr. Duncan:

Thank you for your letter of May 19, 1952, which informs us that the above-noted property is now in your name and that the deed is recorded in San Bernardino.

We do not require further proof as your letter is sufficient.

As soon as we receive the field team report on your property, we shall continue with the processing of your application.

Sincerely yours,

cc 5/26

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

GCSelfridge'lm
5/23/52

cc: Admn. Reading File
Docket
R. W. Geehan, USBM
D. M. Lemmon, USGS
Field Team Reg. III
G. C. Selfridge

Gardena Cal.
May. 19. 52

T.C. Selfridge
Dear Sir:
The property mentioned in the inclosed letter is now in my name and the deed has been recorded in San Bernardino free and clear.
What proof do you require

Sincerely
C. A. Duncan

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 20 1952

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

FEB 25 1952

Mr. Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

Re: Docket No. DMEA 2318 - Tungsten
South half of Sec. 31, T. 2 N., R. 3 E.
Morongo Mining District
San Bernardino County, California

Dear Mr. Duncan:

Receipt is acknowledged of your letter dated February 12, 1952, together with the attached map and cost data, all pertaining to the subject docket.

Relative to the ownership of the land, it is noted that you have a contract to purchase the land from the Southern Pacific Land Company and this contract has three years to run. It is also noted that if you enter into a deal with the Government that you would then clear the property and would be the sole owner.

Since the Southern Pacific Land Company is the apparent owner of the land in question, it will be necessary that you either furnish us with a copy of the purchase agreement and six of the seven enclosed copies of the subordination agreement (Form MF-202) signed by the Southern Pacific Land Company, or furnish us with evidence of your ownership.

The above information is necessary as we would be unable to process an application involving property that does not have a fixed status.

Sincerely yours,

G. C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

Enclosures

4/29/52

Mr. Selfridge:

On DMEA 2318 we wrote applicant in February re ownership status of his claims. He replied early in March that he would get a copy of purchase contract and send it to us as soon as possible. That "as soon as possible" has not yet arrived!

On 3/31 we asked field team to examine--after getting B/M's report.

If FT has not examined the claims as yet, perhaps we don't want to waste their time doing it unless the applicant can establish his ownership to the claims????

Will go thru with examination. He would wait until is it is made anyway since he has been so adamant.

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

April 29, 1952

Memorandum

To: George C. Selfridge, DMEA

From: Robert W. Geehan, Bureau of Mines

Subject: DMEA-2318, Cedric A. Duncan, Gardena, California

Attached is a copy of the subject docket that should have been returned to you along with my memo of March 20.

Robert W. Geehan
Robert W. Geehan

Attachment

DEPARTMENT
Defense
APR 30 1952

400

FILE COPY
SURNAME:

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

MAR 31 1952

Selfridge
Brewer
Thayer
Johnson

Mr. Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

Re: Docket No. DMEA 2318X - Tungsten
S.½, Sec. 31, T. 2 N., R. 3 E.
Morongo Mining District
San Bernardino County, California

Dear Mr. Duncan:

Your application for assistance in exploring the above-noted property in San Bernardino County has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for field examination.

The Regional Office will contact you at an early date in regard to the examination of your property. Any assistance that you might give to members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (for) J.N. 3-31-52

Acting Administrator
Defense Minerals Exploration
Administration

GCSelfridge:ls
3/27/52

cc; Docket
Admn. Reading File
Operating Committee
Field Team, Region 3
G. C. Selfridge
R. W. Geehan, USBM
D. M. Lemmon, USGS

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

MAR 31 1952

Selfridge
Brewer

Mr. H.C. Miller, Executive Officer
DMEA 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:

Applicant Cedric A. Duncan

Docket No. DMEA 2318x - Tungsten

Commodity Tungsten

Amount $ $22,380

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

Sincerely yours,

Frank E. Johnson
Chairman, Operating Committee
Defense Minerals Exploration
Administration

APPROVED:

O.H. Hedges
Member, Bureau of Mines

T.P. Thayer
Member, Geological Survey

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA 2318X

Commodity Tungsten

Total Amount $22,380.00

Govt. Participation $16,785.00

1. Name and Address of Applicant Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

2. Location of Property S½, Section 31, T. 2 N., R. 3 E., San Bernardino County, California.

3. Mineral or metal Tungsten 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 Yes

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? Not if proof of ownership is furnished.

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)* ?

d) Water (question 13)*

e) Power (question 13)* ?

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

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* No

Is a field check needed on this point? Yes

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

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? _____ 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? _____

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?_____ If so, attach a draft.

e) Are the cost estimates reasonable?____**No**____

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?____**Doesn't warrant extra cabin.**____

b) If so, are sufficient data furnished?_____ 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?____**Yes**____

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

c) Are rents and charges reasonable?____**No, should rent some.**____

d) Is a field check needed?____**Yes**____

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

a) Are there sufficient data?____**No**____

b) Is the schedule adequate for the work proposed?_____

c) Is the schedule excessive for the work proposed?____**Yes**____

d) Are the proposed wages and salaries reasonable?____**Wages high.**____

e) Is a field check needed?____**Yes**____

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? Yes

(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? Please examine for geologic feasibility when examining property of Tungsten Prospecting Associates, DMEA 2310. If exploration is warranted, aid applicant to draw up reasonable exploration program, giving details necessary to complete Exhibit A of Exploration Contract. Applicant's participation in any part of the program should be given especial attention.

Reviewed by: G. C. Selfridge

G.C. Selfridge

Date March 26, 1952

Attachments:
2 cc B/M memo of 3/20/52
2 cc GS memo of 3/11/52
2 cc GS memo of 1/9/52
1 copy MF-103.

DOCKET

Selfridge
Brewer

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

MAR 3 1 1952

Mr. H.C. Miller, Executive Officer
DMEA 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:

Applicant Cedric A. Duncan

Docket No. DMEA 2318x - Tungsten

Commodity Tungsten

Amount $ $22,380

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

Sincerely yours,

(signed) FRANK E. JOHNSON (JB)

Chairman, Operating Committee
Defense Minerals Exploration
Administration

S.N.
3-31-52

APPROVED:

J. H. Hedges (JHH)

Member, Bureau of Mines

E. P. Thayer (EPT)

Member, Geological Survey

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMEA 2318X

Commodity Tungsten

Total Amount $22,380.00

Govt. Participation $16,785.00

1. Name and Address of Applicant Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

2. Location of Property S½, Section 31, T. 2 N., R. 3 E., San Bernardino County, California.

3. Mineral or metal Tungsten 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 Yes

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? Not if proof of ownership is furnished.

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)* ?

d) Water (question 13)*

e) Power (question 13)* ?

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

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* No

Is a field check needed on this point? Yes

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

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? _____ 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? _____

Is this part a worthwhile exploration project? No

d) Are the cost estimates detailed? No

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

e) Are the cost estimates reasonable? Yes

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? Doesn't warrant extra cabin.

b) If so, are sufficient data furnished? _____ 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? Yes

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

c) Are rents and charges reasonable? No, should rent come.

d) Is a field check needed? Yes

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

a) Are there sufficient data? No

b) Is the schedule adequate for the work proposed? Yes

c) Is the schedule excessive for the work proposed? Wages high.

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? _____

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data?

c) Reasonable?

d) Field check needed?

15. In your judgment, can the proposed work be done in the proposed time? Yes

(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? Please examine for geologic feasibility when examining property of Tungsten Prospecting Associates, DMMA 2310. If exploration is warranted, aid applicant to draw up reasonable exploration program, giving details necessary to complete Exhibit A of Exploration Contract. Applicant's participation in any part of the program should be given especial attention.

Reviewed by: G. C. Selfridge

Date March 26, 1952

Attachments:
2 cc B/M memo of 3/20/52
2 cc GS memo of 3/11/52
2 cc GS memo of 1/9/52
1 copy MF-103.

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

March 20, 1952

Memorandum

To: G. C. Selfridge, DMEA

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application
Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

DMEA 2318
Tungsten

I am in complete accord with Lemmon. As long as the field team is going to be nearby, they may as well inspect this property, and at the same time try to get concrete answers from the applicant to the questions previously asked by the DMEA.

Robert W. Geehan

Robert W. Geehan

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

March 20, 1952

Memorandum

To: O. C. Selfridge, DMEA

From: R. W. GEOHAN, Bureau of Mines

Subject: Exploration Application
Cedric A. Dumont
347 East Redondo Beach Blvd.
Gardena, California

DMEA 2318
Tungsten

I am in complete accord with Lemmon. As long as the field team is going to be nearby, they may as well inspect this property, and at the same time try to get accurate answers from the applicant to the questions previously asked by the DMEA.

Robert W. Geohan

CKatlin:elk

cc: Mr. Geohan
Mr. Katlin
Ferrous M&A
Files
Mr. Selfridge

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

March 20, 1952

Memorandum

To: C. C. Selfridge, DMEA

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application DMEA 2318
Cedric A. Duncan Tungsten
347 West Redondo Beach Blvd.
Gardena, California

I am in complete accord with Lemon. As long as the field team is going to be nearby, they may as well inspect this property, and at the same time try to get concrete answers from the applicant on the questions previously raised by the MEA.

Robert W. Geehan

Chatlin:alk

cc: Mr. Geehan
Mr. Katlin
Ferrous M&A
Files
Mr. Selfridge

IN REPLY REFER TO:

G-MD-DML

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

March 11, 1952

Memorandum

To: George C. Selfridge, DMEA

From: D. M. Lemmon, U.S.G.S.

Subject: Additional information from applicant DMEA 2318 - Tungsten
Exploration application
Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

Mr.Duncan's letters of February 12 and March 2 do not clarify his application to any extent, though they suggest that he is not competent to run a prospect. It appears that Duncan does have some tungsten mineralization on a mineral claim in the section adjoining the land he wishes to prospect, but does not plan to explore it further. He has not yet found any scheelite in the area he proposes to prospect.

Duncan's detailed cost estimate makes no sense. The total of $22,380 includes substantial expenses for equipment (which could be rented at a fraction of the cost) and for additions to his summer camp.

No adequate plan or objective is given for exploration.

The correspondence suggests that the property might warrant some prospecting with U-V light and pick-and-shovel to determine if any tungsten mineralization is present. This prospecting should have been done before application for an exploration loan. No exploration is warranted if mineralization cannot be found at the surface.

The Geological Survey has not examined this property. Inasmuch as a field examination was requested of a nearby property (DMEA 2310) on February 8, it is suggested that the Field Team be requested to examine the Duncan property at the same time.

Dwight M. Lemmon

Letter in 400's file

IN REPLY REFER TO:

G-MD-DML

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

March 11, 1952

Memorandum

To: George C. Selfridge, DMEA

From: D. M. Lemmon, U.S.G.S.

Subject: Additional information from applicant DMEA 2318 - Tungsten Exploration application
Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

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D M Lemmon

DMLemmon:gt

IN REPLY REFER TO:

G-MD-DML

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

March 11, 1952

Memorandum

To: George C. Selfridge, DMEA

From: D. M. Lemmon, U.S.G.S.

Subject: Additional information from applicant DMEA 2318 - Tungsten
Exploration application
Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

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D M Lemmon

DMLemmon:gt

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 5 1952

Gardena Cal.
March, 2 - 1952

Dear J.C. Selfridge

In answer to your letter of Feb. 25, 52.

I have today written for the balance due on my purchase contract from the So. Pacific Land Co.

As soon as possible I will mail you a copy of the deed.

Sincerely yours

C. A. Duncan

Re: Docket no. DMEA 2318 Tungsten

FILE COPY
SURNAME:

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

FEB 25 1952

Mr. Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

Re: Docket No. DMEA 2318 - Tungsten
South half of Sec. 31, T. 2 N., R. 3 E.
Morongo Mining District
San Bernardino County, California

Dear Mr. Duncan:

Receipt is acknowledged of your letter dated February 12, 1952, together with the attached map and cost data, all pertaining to the subject docket.

Relative to the ownership of the land, it is noted that you have a contract to purchase the land from the Southern Pacific Land Company and this contract has three years to run. It is also noted that if you enter into a deal with the Government that you would then clear the property and would be the sole owner.

Since the Southern Pacific Land Company is the apparent owner of the land in question, it will be necessary that you either furnish us with a copy of the purchase agreement and six of the seven enclosed copies of the subordination agreement (Form MF-202) signed by the Southern Pacific Land Company, or furnish us with evidence of your ownership.

The above information is necessary as we would be unable to process an application involving property th t does not have a fixed status.

Sincerely yours,

George C. Selfridge

G. C. Selfridge, Chief
Iron and Ferro-Alloy Division

S.N. 2-22-52

Enclosures
GGGentry:GCSelfridge:ls
2/20/52

cc: Admn. Reading File
Docket
Field Team, Reg. 3
R. W. Geehan, USBM
D. M. Lemmon, USGS

cc: G. G. Gentry
G. C. Selfridge

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western
Gardena, California

Feb. 12, 1952

Department of the Interior
Defense Minerals Administration
FEB 1 3 1952

Mr. G. C. Selfridge, Acting Chief
Iron and Ferro-Alloy Division
Washington, D.C.

Re: Docket No. DMEA 2318X - Tungsten
South half of Sec. 31, T.2,N.R. 3E.
Morongo Mining District
San Bernardino County, California

Dear Mr. Selfridge:

In answer to your letter of Feb. 6, 1952 will try and give you the needed information.

1. - The status of ownership is as follows. I purchased the land on contract from the Southern Pacific Land Company in August, 1946, which contract has three years' to run. I tried to explain in my application that if I entered into a deal with the Government, I would then clear this property and would be the sole Owner, this I can do at any time.

3. - In regards to location and anaylses of any other samples that I have taken on this property, up to this time I have not been particularly interested in Tungsten, but have had several assays ran for Gold and Siver. I have always thought that the East One-half of our One-half Section has very good indications of a Tungsten deposit on account of the large garnets and a scheelite type of rock in conjunction with lime dykes and porphry contacts.

4. - I believe that I have answered this question in my answer to No. 3. As you no doubt know this is a new country as far as mineral deposits are concerned. Most ore deposits, including the shaft that I reported an assay that ran 5.0% WO_3., never cropped to the surface but was uncovered at a depth of approximately 3 ft. It will be possible to trench a large size area to a depth of 3 ft. with a bulldozer and trenches.

6. - I do not require two supervisors at $20.00 per day, but turned one man in as a supervisor because of his knowledge of Tungsten mining. I do not think that I could get him to work for less.

7. - In an answer above I have tried to explain that mineral deposits do not come to the surface in this district, and until you can determine the depth of the deposit you have no way of knowing whether you will encounter them at 3 ft. of 60 ft.

8. - So far as I know ther are no Tungsten mineralized exposures. I was under the impression that this assistance was to be used in the exploration to find Tungsten and not to mine Tungsten already discovered.

Phone Menlo 4-3011

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Gardena, California

9. - The one mile of new road to be built would run from the end of the road that we built this spring, to our cabin, to the site where we intemd to do the bull-dozing, and then down a canyon and around a point to the site of the proposed tunnel. This would only have to be a dirt road wide enough for one truck. As to the repairs to the existing road, this is not a county road but a fire road which is only repaired incase of fire about three days after a fire starts. I did $200.00 worth of work on this road last year.

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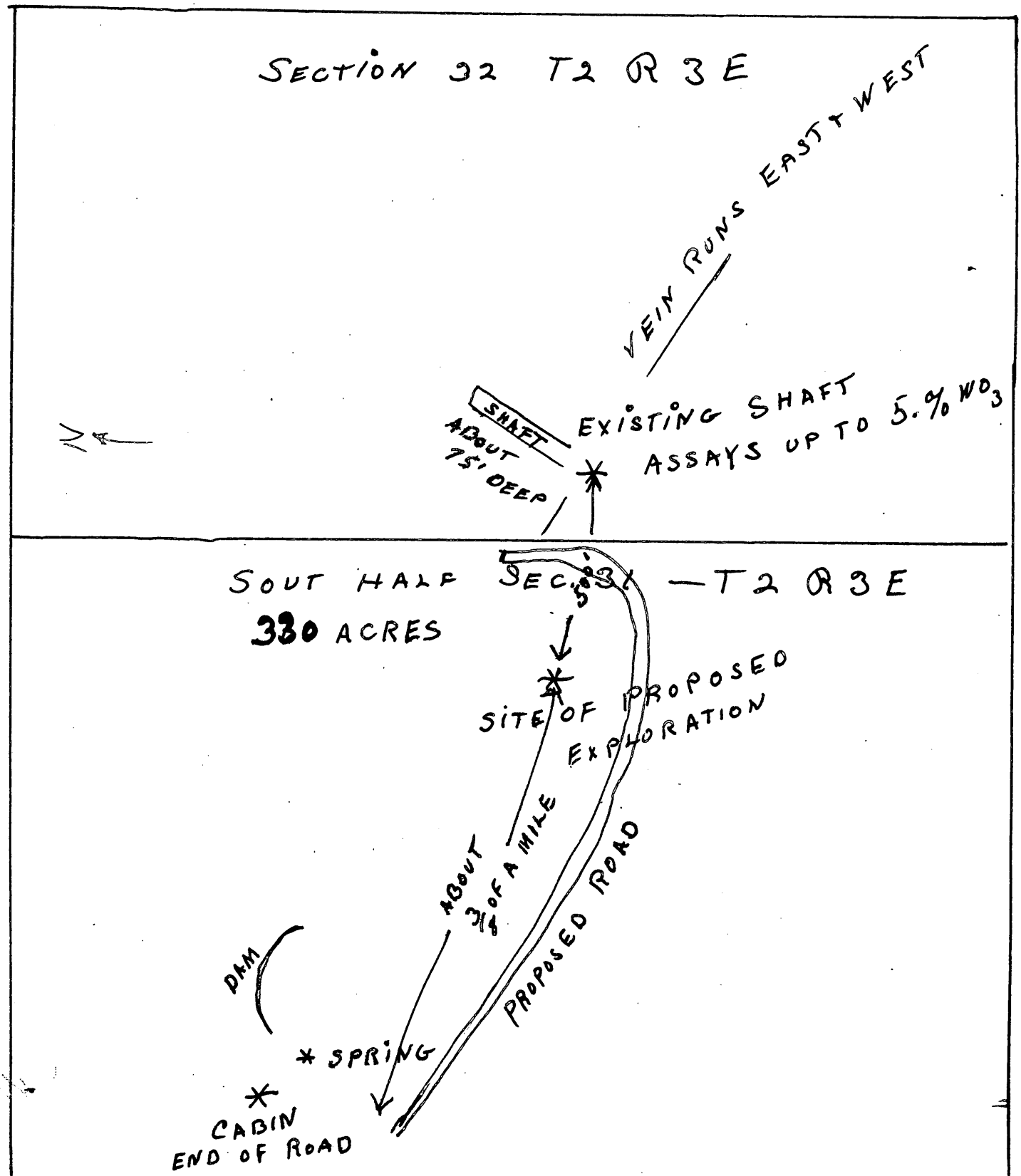
2



Phone Menlo 4-3011

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Gardena, California

5. - Detailed Cost Estimate, -$22, 380.00.

1.- Building Bunk house and dining room, for five men	-	$3500.00
2.- About one mile of road to be built.	-	500.00
3.- Estimate of repair on existing road.	-	300.00
4.- Electric Generator Plant for lights etc.	-	1200.00
5.- Four general mine hands at $18.00 per day, 3 mo.	-	4320.00
6.- One man at $20.00 per day for 4 mo.	-	1600.00
7.- My own time at $20.00 per day for 4 mo.	-	1600.00
8.- Small tools, shovels, picks, etc. estimate	-	300.00
9.- One air compressor with two jack hammers, drills, hose, etc.	-	5000.00
10.- One gasoline jack hammer	-	400.00
11.- Powder, caps, fuse, estimate	-	500.00
12.- Bull-dozer rent at $15.00 per hr. estimate 4 wks.	-	2400.00
13.- Assaying and accounting, estimate	-	760.00

One or two of the above estimates may be a little high, but according to my understanding of this type of deal, I would only be reimbursed for 75% of the money I actually spend and I do not intend to spend any more than necessary.

$16,785

Sincerely yours,

C. A. Duncan

C.A.Duncan

400

FILE COPY
SURNAME:

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

FEB 6 1952

Mr. Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

Re: Docket No. DMEA 2318X - Tungsten
South half of Sec. 31, T. 2, N. R. 3 E.
Morongo Mining District
San Bernardino County, California

Dear Mr. Duncan:

In reference to your application for assistance in exploring your property, which is presently being reviewed in this office, we find that you have not furnished sufficient information. Will you, therefore, please forward the following information:

1. Exact status of ownership, together with copies of your contract to purchase the property.

2. Map showing the location of the proposed work and location of the property. Show the location of the shaft where you report tungsten ore assaying 5.0% WO_3.

3. Location and analyses of any other samples that you have taken.

4. Show a clear reason for your hopes of discovering tungsten ore with a bulldozer and trenches.

5. Detailed cost estimate.

6. Reason for requiring two supervisors at $20.00 per day each to supervise the work of only four miners.

7. Reason for expecting to find tungsten ore in the two proposed tunnels, if surface trenching fails to expose the ore.

8. Width and length of the tungsten mineralized exposures.

9. Details of the construction of the one mile of proposed new road and repairs of the existing road.

Will you please favor us with a reply at your earliest convenience.

Sincerely yours,

George C. Selfridge

G. C. Selfridge, Acting Chief
Iron and Ferro-Alloy Division

Copy to: D. M. Lemmon, USGS
G. C. Selfridge
G. G. Gentry

GGGentry:ls
2/5/52
Copy to: Admn. Reading File
Docket
Field Team, Region 3
R. W. Geehan, USBM

Signed

S.N. 2-6-52

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

February 19, 1952

Memorandum

To: G. C. Selfridge, D.M.E.A.

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application DMEA 2318
Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

As a letter requesting additional information was sent to the applicant on February 5, 1952, by your office, the subject docket is being held without comment pending receipt of reply.

Robert W. Geehan
Robert W. Geehan

Appl. replied but ownership still questionable so another ltr prepared to send him on 2/20/52

1 copy in I + F A & C

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

February 19, 1952

Memorandum

To: C. C. Selfridge, D.M.M.A.

From: R. W. Geehan, Bureau of Mines

Subject: Exploration Application DMEA 2318
Cedric A. Duncan
347 East Redondo Beach Blvd.
Gardena, California

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Robert W. Geehan

RWGeehan:alk

cc: Mr. Geehan
Mr. Kutlin
Ferrous Metals & Alloys Branch
Files
Mr. Selfridge.

Jan. 11, 1951

DMEA 2318

Notes by Gentry:

Report by USBM not Received.

{Property purchased on Contract and apparently has not been paid for.
{Financial obligation not stated and Copy of Purchase Contract not included.

No Sample map - No assays to show WO_3 Values

From Applicants Letters, the property has not been prospected.
Distance from nearest town and Road Conditions not stated.

Prevailing miners wages $14 per day.
The work does not Justify a foreman in addition to owners Wages.

Diamond drilling instead of 150 ft. of Tunnels

{No specifications given on the mile of proposed new Road
{and on the Road Repairs

Question need for Electric Generator Plant
Rent mining equipment instead of Buying Same.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : George Selfridge, DMEA

DATE: January 9, 1952

FROM : D. M. Lemmon, USGS

SUBJECT: Exploration application $22,380 DMEA 2318 - Tungsten
Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

Property: S. ½ sec. 31, R. 2 N., T. 3 E.
Morongo district
San Bernardino County, California

Proposal: The applicant proposes to trench an area with bulldozer. If this is not successful in uncovering tungsten ore, then 2 adits about 75 feet long will be dug.

Criticism: The applicant does not cite any evidence of tungsten mineralization on the property to be explored. No map showing proposed work is enclosed, and no description indicating that the applicant has a plan of exploration or an objective.

Recommendation: The applicant should be requested to provide more information before this application is given further consideration.

This deposit is in the same district as DMEA 2310 (T.P.A. No. 1 claim, sec. 2, T. 2 N., R. 2 E.), which was recommended for field referral on January 7.

Don Lemmon

1 copy in IT 7 A files

George Selfridge, DMEA

January 9, 1952

D. M. Lemmon, USGS

Exploration application $22,380 DMEA 2318 - Tungsten
Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

Property: S. ½ sec. 31, R. 2 N., T. 3 E.
Morongo district
San Bernardino County, California

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DM Lemmon

DMLemmon:gt

Copies to: Director's read. file
Branch read. file

George Selfridge, DMEA

January 9, 1952

D. M. Lemmon, USGS

Exploration application $22,380
Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

DMEA 2318 - Tungsten

Property: S. ½ sec. 31, T. 2 N., R. 3 W.
Morongo district
San Bernardino County, California

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D M Lemmon

DMLemmon:gt

Copies to: Director's read. file
Branch read. file

EXPLORATION

Subject: DMEA-2318
Re: EXPLORATION LOAN

Mr. Cedric A. Duncan
347 Redondo Beach Blvd.
Gardenia, California

My dear Mr. Duncan:

This will acknowledge receipt of your application dated December 27, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2318 and referred to the Iron & Ferro-Alloys Division.

Kindly refer to DMEA-2318 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Acting Administrative Officer

7862

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2318
Metal or Mineral
Date Received 1-7-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 7 1952

Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

Name and address of applicant

Date December 27, 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

CERTIFICATION

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

(Name of company)	By Cedric G. Duncan (Signature of authorized official)
Dec. 27, 1951 (Date)	Owner (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—64067-2

Phone Menlo 4-3011

Shock's Hardware

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15420 South Western

Gardena, California

Question 1.

Part a.- The south half of section 31 Range 2 North Township 3 East in San Bernardino County.

Part b.- I am the owner ofthis ½ section. Bought on contract, but will be clear if we can make a deal.

Part c.- The exploration will be carried on the East ½ of the ½ section.

Question 2.

Part a.- I expect to find Tungsten.

Partb.- There are large lime dykes on this property in contact with granite, porphry, and a green rock full of large garnets. I have a claim staked on the adjoining section (32) about 500 feet from the proposed exploration, on which there is an incline shaft of about 75 ft. depth that has a good vein of tungsten ore assaying to 5%.

The way in which this vein was opened up and left, makes it impossible to do any further work on the existing hole, and I feel that I have a much better chance of opening a Tungsten mine on my own property.

Phone Menlo 4-3011

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15420 South Western

Gardena, California

Question 3.

Part a.- I intend to try open trenching first, and in the event we do not find anything, to drop down the hill and run two tunnels about 75 ft. each.

I have hopes of discovering tungsten ore with a bull-dozer doing the trenching, approximate estimate of total cost $22,310.

Part b.- This least ore will be moved in until the latter part of April. I should be able to start about the 1st of May, and would think I could do that I have in mind in about 4 months.

Phone Menlo 4-3011

Question 4.

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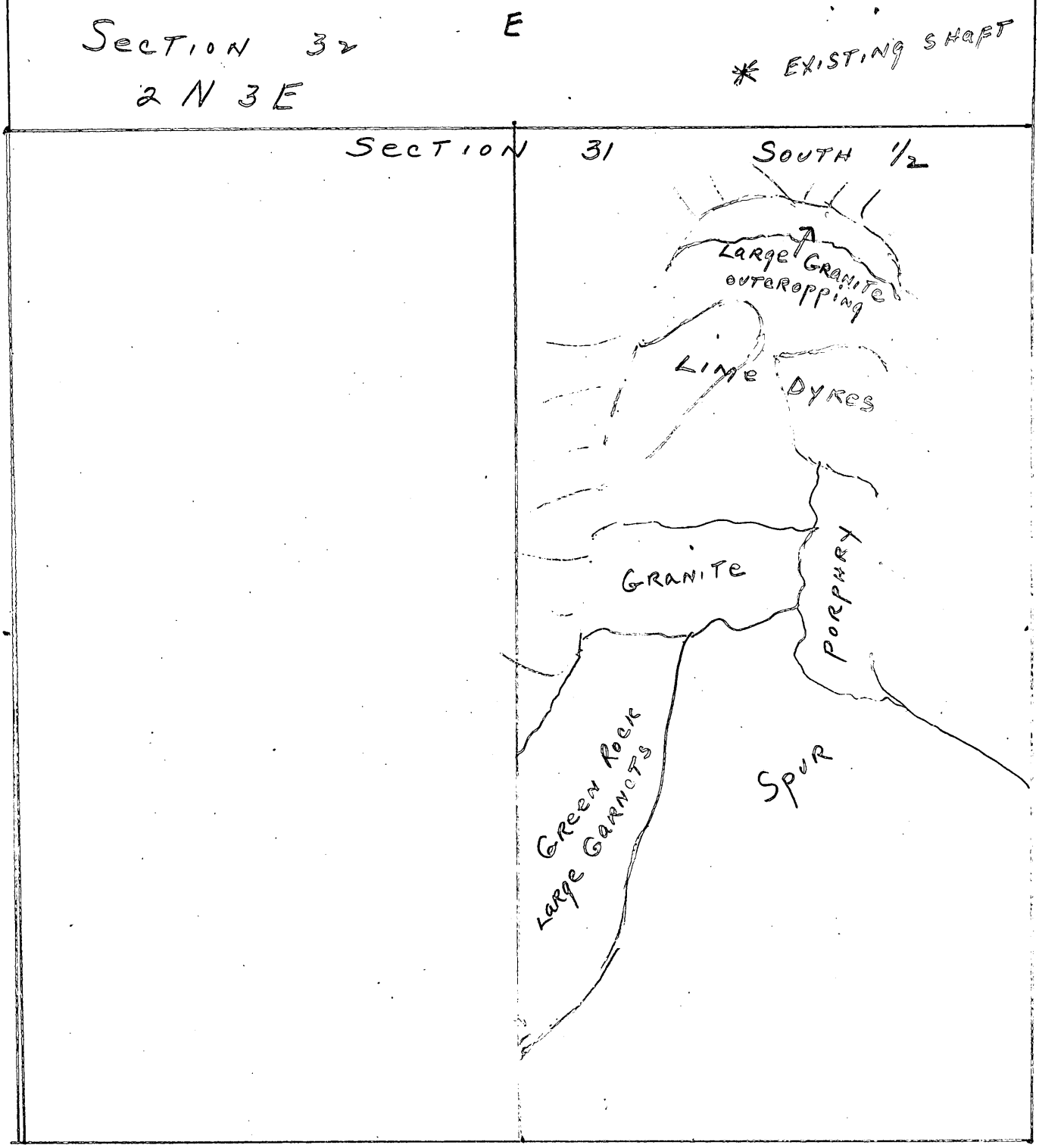
Gardena, California



Phone Menlo 4-3011

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Gardena, California

Question 5.

I have a one room cabin on the property with sleeping facilities for 4 men.

There is a good spring of water flowing about 5 gals. a minute.

I have built a dam below the spring and if we have a wet winter, should have a lake covering about 2 acres, with a depth of 20 feet, which should take care of a small mill. The cabin etc. are about 250 yds. from the proposed exploration project.

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Gardena, California

Question 6.

I will have to build a bunkhouse for 5 men including showers etc. at a cost of about $2500. I will have to build about 1 mile of road, cost about $500., and do about $300., worth of repairs on existing road.

Water is available.

Electric generator plant for lights etc. about $300.

Phone Menlo 4-3011

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15420 South Western

Gardena, California

Question 7.

We will need about $300. worth of tools, shovels, picks, etc.

One compressor with 2 jack hammers and drills, hose, etc. $5000.

One gasoline jack hammer, $400.

Powder, fuse, etc, $500.

Bulldozer rent $15. per hour, would estimate about 4 weeks, $2500.

Phone Menlo 4-3011

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15420 South Western
Gardena, California

Question 8.

? $5760 ?

Four general mine han ds at $18.00 per day. $4320. for 4 months.

One foreman $20.00 per day. $1600. for 4 months.

I would turn in my own time at $20.00 per day or $1600. for the 4 mont h period.

Total Estimated Labor $7520.

Phone Menlo 4-3011

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Gardena, California

Question 9.

Assaying and accounting are the only two things I can t hink of not covered by the questions already answered. An approximate estimate - $660.

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Gardena, California

Question 10.

Part a.- I am prepared to invest $5000. or more, and my time.

Part b .- Yes.

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Gardena, California

Question 11.

This property as a whole is mineral bearing. I have assays to $39. in gold, and one big ash colored outcropping will assay from ½ to 6 ounces of silver anywhere you want to take a sample.

This location has been covered by a couple of geologic reports, and I am told one mineralogist said in Desert Magazine, if he were going to look for Tungsten he would look in this locality.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2318
Metal or Mineral
Date Received 1-7-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 7 1952

Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

Name and address of applicant

Date December 27, 1951

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6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

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   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

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(Name of company)	By Cedric A. Duncan (Signature of authorized official)
Dec. 27, 1951 (Date)	Owner (Title)

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U. S. GOVERNMENT PRINTING OFFICE 16—64067-2

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western

Gardena, California

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15420 South Western

Gardena, California

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I have hopes of discovering Tungsten ore with a bull-dozer doing the trenching, approximate estimate of total cost $22,380.

Part b.- This Locat ion will be snowed in until the latter part of April. I should be able to start about the 1st of May, and would think I could do what I have in mind in about 4 months.

E

Phone Menlo 4-3011

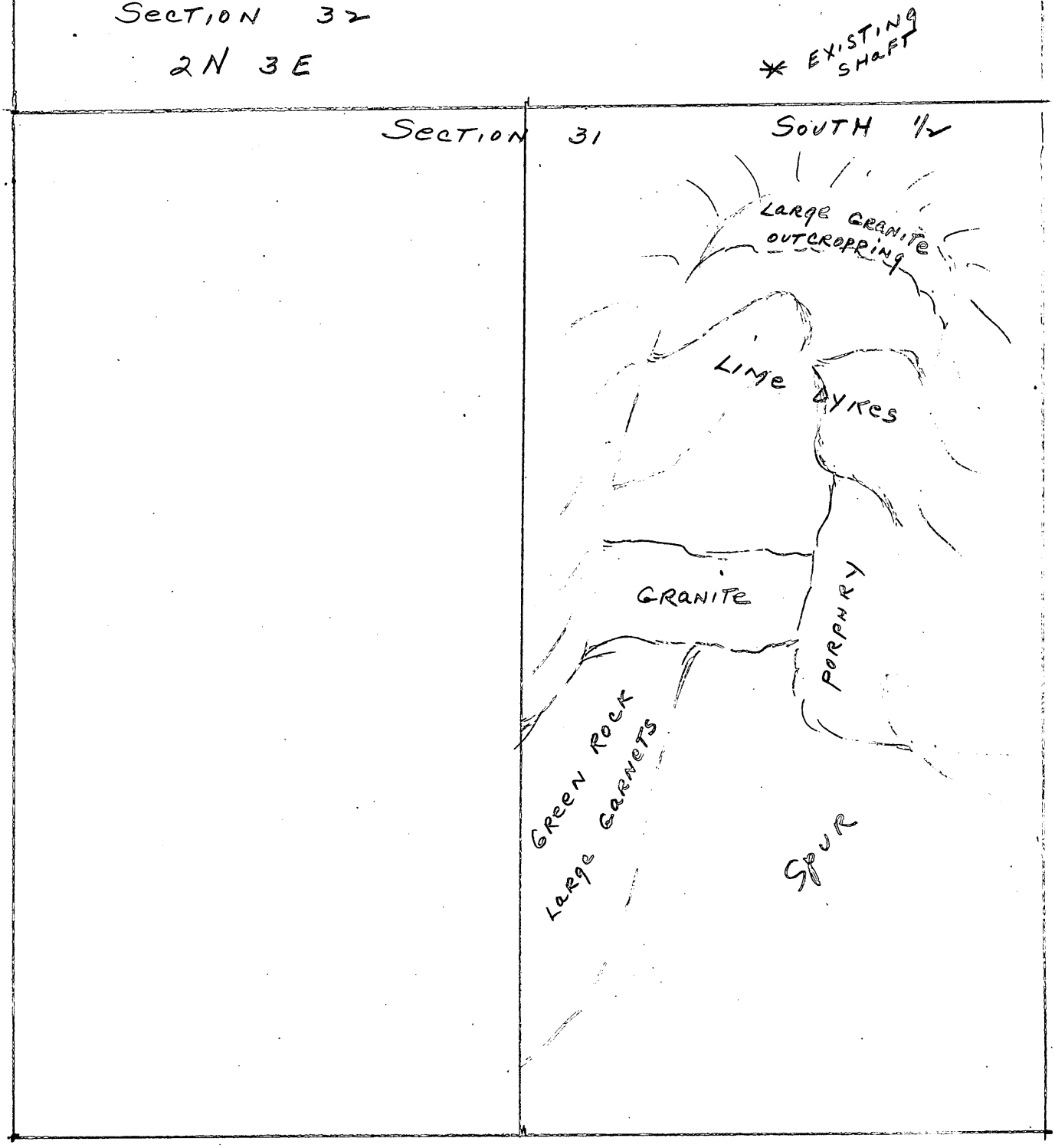
Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western
Gardena, California

Question 4.

SECTION 32
2N 3E



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Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western
Gardena, California

Question 5.

I have a one room cabin on the property with sleeping facilities for 4 men.

There is a good spring of water flowing about 5 gals. a minute.

I have built a dam below the spring and if we have a wet winter, should have a lake covering about 2 acres, with a depth of 20 feet, which should take care of a small mill. The cabin etc. are about 250 yds. from the proposed exploration project.

Phone Menlo 4-3011

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15420 South Western

Gardena, California

Question 6.

I will have to build a bunkhouse for 5 men including showers etc. at a cost of about $3500. I will have to build about 1 mile of road, cost about $500., and do about $300., worth of repairs on existing road.

Water is available.

Electric generator plant for lights etc. about $1200.

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western
Gardena, California

Question 7.

To mill wood about $300. worth of tools, shovels, picks, etc.

One compressor with 2 jack hammers and drills, hose, etc. $500.

One gasoline jack hammer, $400.

Ladder, hose, etc, $50.

Bulldozer rent $25. per hour, would estimate about 4 weeks, $2500.

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western
Gardena, California

Question D.

Four general mine hrs do at ($10.00 per day. ($320. for 4 months.

One foreman ($20.00 per day. ($600. for 4 months.

I would turn in my own time at ($20.00 per day or ($600. for the 4 month period.

Total Estimated Labor ($520.

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western

Gardena, California

Question 9.

Dusting and scrubbing are the only two things I can think of not covered by the questions already answered. An approximate estimate - $300.

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western

Gardena, California

Question 10.

Part a.- I am prepared to invest $3000. or more, any time.

Part b.- Yes.

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western

Gardena, California

Question 11.

The property on a whole is mineral bearing. I have assays to 0.5% in gold, and one big and colored outcropping will assay from 4 to 6 ounces of silver anywhere you want to take a sample.

This location has been covered by a couple of geologic reports, and I am told one mineralogist said in Desert Magazine, if he were going to look for Dunyon he would look in this locality.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. DMEA-2918
Metal or Mineral
Date Received 1-7-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 7 1952

Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

Name and address of applicant

Date December 27, 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

DMA Docket Number (if available) _____

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four copies each, of the signed application form, General Technical Data Form MF-100, and answers to questions as specified, to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive office thereof, with your name and address on each sheet of the application and all accompanying papers. If you have previously filed MF-100, it is not necessary to file it again. However, you should indicate in space provided above the type of assistance previously applied for (loans, procurement contracts, etc.) and DMA Docket Number, if available. *When a question is inapplicable it should be so stated in the form.* Additional sheets should be attached in answering any questions or in supplying additional information. IF YOU CANNOT ANSWER A QUESTION, SO STATE.

1. (*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*) If you are not the owner of the property, submit a copy of the lease, purchase option, or other agreements under which you are authorized to operate the property with each copy of your application.

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

   NOTE: (1) 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 (*c*) 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.

   (2) If applicant is not the owner of the property or if there are any liens or encumbrances against the property, copy of agreements of claimants, lienors, encumbrances, and lessors subordinating their interests in the property to the interest of the Government under the Exploration Project Contract will be required for attachment to the Contract.

2. (*a*) What metals or minerals do you expect to find?

   (*b*) Furnish statement of the geologic features of your property, giving type of ore deposit and reasons for expecting to find commercial ore bodies. Illustrate with maps or sketches. If you have a geologic or engineering report, or assay maps showing width and grade, please send them with application, stating whether or not you wish to have them returned.

The information requested in questions 3, 4, 5, 6, 7, 8, and 9 below should be answered specifically and in detail, as this information will be attached to and incorporated as part of the Exploration Project Contract, if such contract is entered into with you by the Government.

ANSWER EACH QUESTION ON SEPARATE SHEETS OF PAPER AND SUBMIT A COPY OF EACH ANSWER FOR EACH COPY OF YOUR APPLICATION.

3. (*a*) Describe fully the proposed work and give the total cost of the project.

   (*b*) State the time required to start the project and to complete it.

4. Submit a map or sketch of the property involved showing a plan (and cross section, if needed) of the present mine workings and the *location of the proposed exploration work* as related to geologic features, such as contacts, veins, ore-bearing beds, etc.

5. Furnish an itemized list of existing facilities, buildings, installations, and fixtures with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition.

6. Furnish a detailed list of additional facilities, buildings, and fixtures to be purchased, installed, or erected by you, with the estimated cost of each item.

7. Furnish a detailed list of operating equipment, separated into items to be—

   (*a*) Rented

   (*b*) Purchased

   (*c*) Furnished by you

   with the rental, purchase price, or depreciation of each item, as the case may be, to be charged as a cost of the project.

8. Furnish an itemized schedule of labor, by numbers and classes (miners, muckers, etc.) and of supervisors by numbers and positions, with the maximum wages or salaries to be paid to each.

9. Furnish a detailed list with estimated cost of each item for materials, supplies, engineering, assaying, accounting, power, water, utilities, and any other items not provided for above.

10. (*a*) How much are you prepared to invest in the proposed project?

    (*b*) Is this amount sufficient to pay your part of the cost of the project, in accordance with the regulations on Government participation (Sec. 9 of MO–5)?

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

CERTIFICATION

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

(Name of company)	By Cedric A. Duncan (Signature of authorized official)
Dec. 27, 1951 (Date)	Owner (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—64067-2

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western

Gardena, California

Question 1.

Part a.- The south half of section 31 Range 2 North Township 3 East in San Bernardino County.

Part b.- I am the owner ofthis $\frac{1}{2}$ section. Bought on contract, but will be clear if we can make a deal.

Part c.- The exploration will be carried on the East $\frac{1}{2}$ of the $\frac{1}{2}$ section.

Question 2.

Part a.- I expect to find Tungsten.

Partb.- There are large lime dykes on this property in contact with granite, porphry, and a green rock full of large garnets. I have a claim staked on the adjoining section (32) about 500 feet from the proposed exploration, on which there is an inclime shaft of about 75 ft. depth that has a good vein of tungsten ore assaying to 5%.

The way in which this vein was opened up and left, makes it impossible to do any further work on the existing hole, and I feel that I have a much better chance of opening a Tungsten mine on my own property.

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western
Gardena, California

Question 3.

Part a.- I intend to try open trenching first, and in the event we do not find anything, to drop down the hill and run two tunnels about 75 ft. each. ?

I have hopes of discovering Tungsten ore with a bull-dozer doing the trenching, approximate estimate of total cost $22,380.

Part b.- This Locat ion will be snowed in until the latter part of April. I should be able to start about the 1st of May, and would think I could do what I have in mind in about 4 months.

Phone Menlo 4-3011

E

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western

Gardena, California

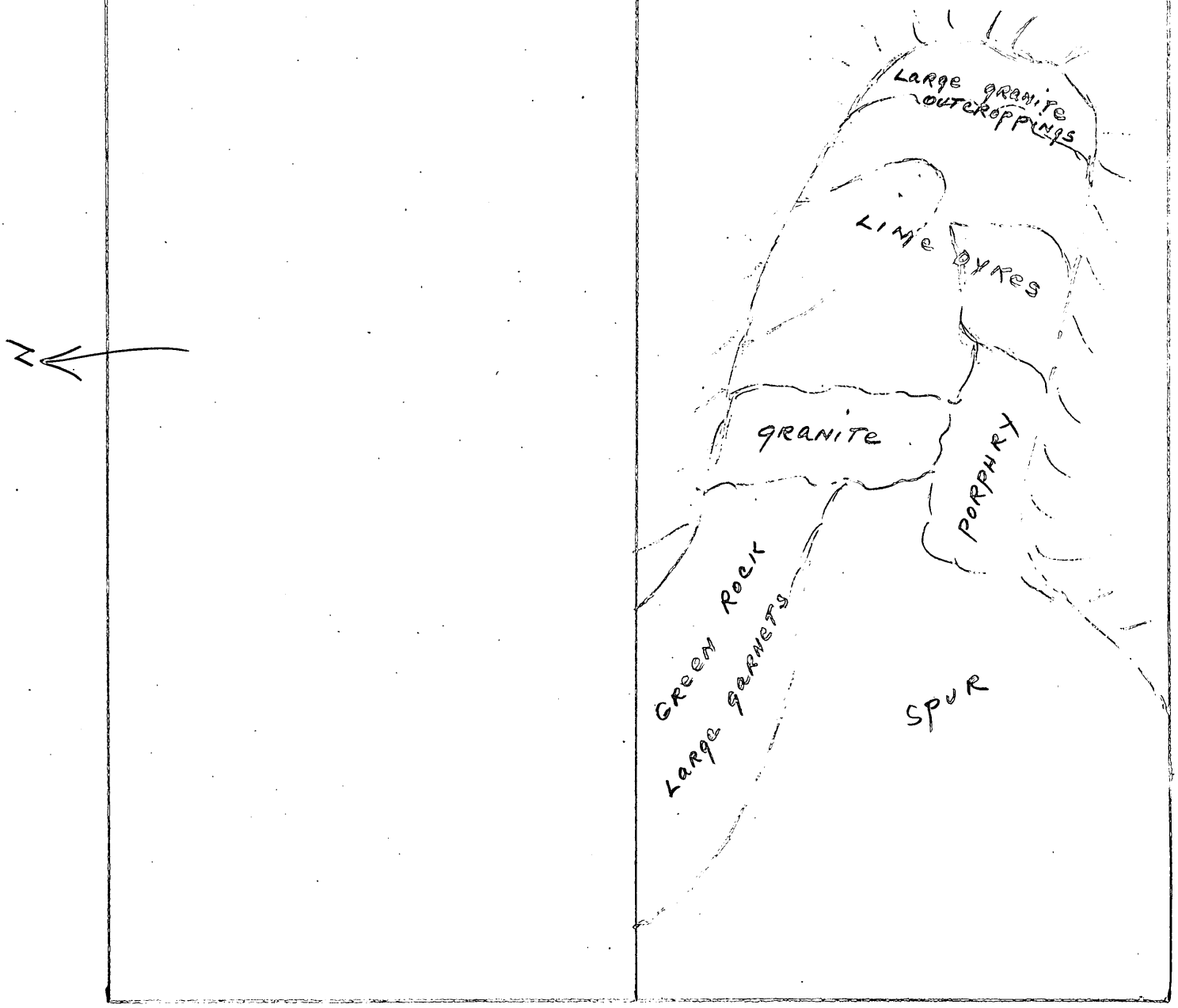
Question 4.

SECTION 32

2 N 3 E

* EXISTING SHAFT

SECTION 31 SOUTH 1/2



5.

M

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western

Gardena, California

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I have a one room cabin on the property with sleeping facilities for 4 men.

There is a good spring of water flowing about 5 gals. a minute.

I have built a dam below the spring and if we have a wet winter, should have a lake covering about 2 acres, with a depth of 20 feet, which should take care of a small mill. The cabin etc. are about 250 yds. from the proposed exploration project.

Phone Menlo 4-3011

Shock's Hardware

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15420 South Western
Gardena, California

Question 6.

I will have to build a bunkhouse for 5 men including showers etc. at a cost of about $3500. We will have to build about 1 mile of road, cost about $500., and do about $300., worth of repairs on existing road.

Water is available.

Electric generator plant for lights etc. about $1200.

Phone Menlo 4-3011

Shock's Hardware

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15420 South Western
Gardena, California

Question 7.

We will need about $300. worth of tools, shovels, picks, etc.

One compressor with 2 jack hammers and drills, hose, etc. $5000.

One gasoline jack hammer, $400.

Powder, fuse, etc, $500.

Bulldozer rent $15. per hour, would estimate about 4 weeks, $2500.

Phone Menlo 4-3011

Shock's Hardware

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15420 South Western
Gardena, California

Question 8.

Four general mine han ds at $18.00 per day. $4320. for 4 months.

One foreman $20.00 per day. $1600. for 4 months.

I would turn in my own time at $20.00 per day or $1600. for the 4 mont h period.

Total Estimated Labor $7520.

Phone Menlo 4-3011

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Paint - Wallpaper - Home Appliances

15420 South Western
Gardena, California

Question 9.

Assaying and accounting are the only two things I can t hink of not covered by the questions already answered. An approximate estimate - $660.

Phone Menlo 4-3011

Shock's Hardware

Paint - Wallpaper - Home Appliances

15420 South Western
Gardena, California

Question 10.

Part a.- I am prepared to invest $5000. or more, and my time.

Part b .- Yes.

Phone Menlo 4-3011

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Question 11.

This property as a whole is mineral bearing. I have assays to $39. in gold, and one big ash colored outcropping will assay from ½ to 6 ounces of silver anywhere you want to take a sample.

This location has been covered by a couple of geologic reports, and I am told one mineralogist said in Desert Magazine, if he were going to look for Tungsten he would look in this locality.

Form MF-103
(Revised June 1951)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.1.

MF-103 Should Be Filed With General Technical Data Form MF-100

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

Not To Be Filled in by Applicant

Docket No. OMEA-2318
Metal or Mineral
Date Received 1-7-52
Amount $
Participation (Government %)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 7 1952

Cedric A. Duncan
347 E. Redondo Beach Blvd.
Gardena, California

Name and address of applicant

Date December 27, 1951

If you have already filed MF-100, give date filed _____, type of assistance requested _____,

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15420 South Western

Gardena, California

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Parth.- There are large lime dykes on this property in contact with granite, porphry, and a green rock full of large garnets. I have a claim staked on the adjoining section (32) about 500 feet from the proposed exploration, on which there is an incline shaft of about 75 ft. depth that has a good vein of tungsten ore assaying to 5%.

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Gardena, California

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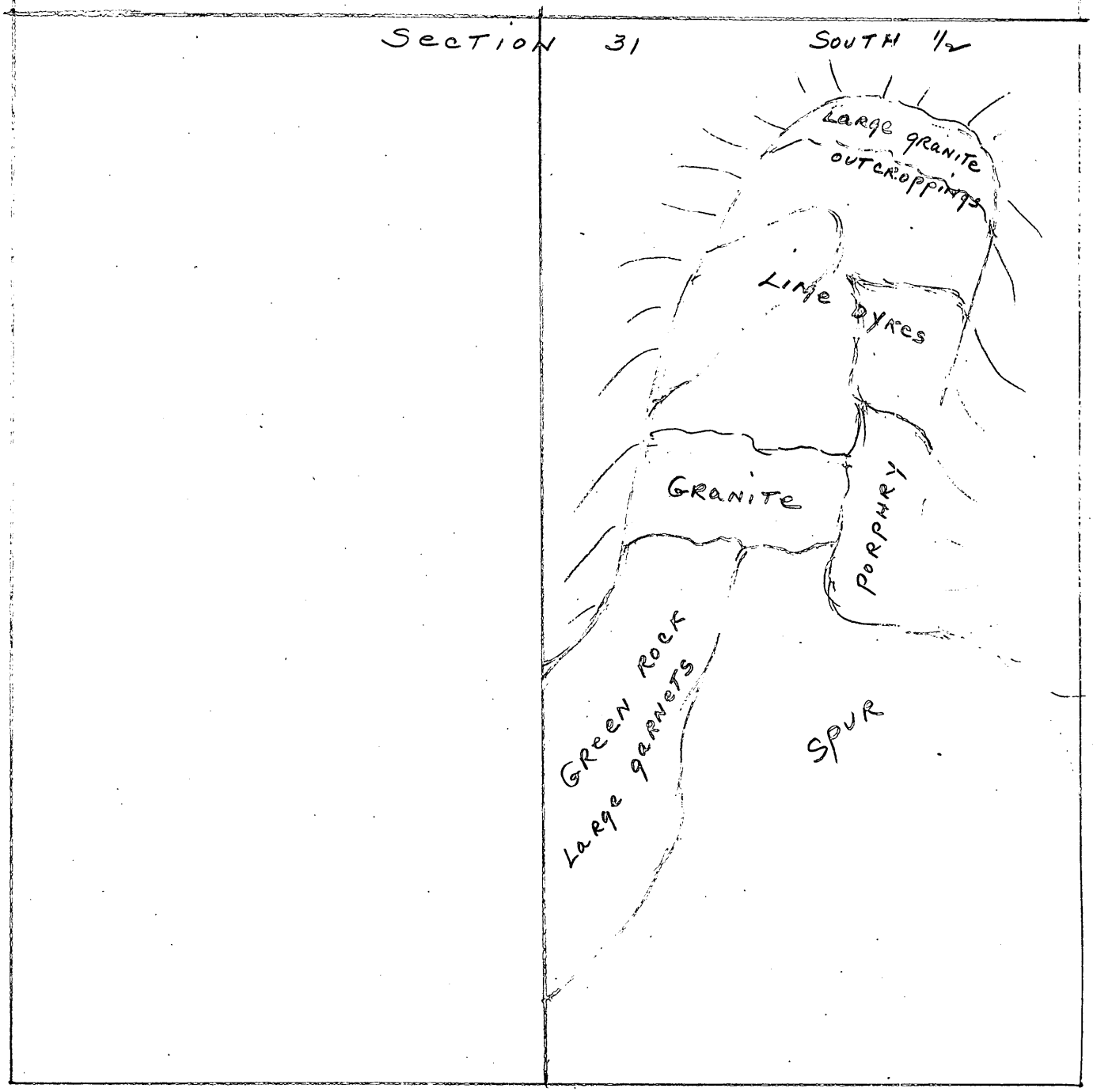
SECTION 32
2 N 3 E

* EXISTING SHAFT



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Phone Menlo 4-3011

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15420 South Western

Gardena, California

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Phone Menlo 4-3011

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5214
Lemmon

Cedric Duncan
DMEA 2318 Hungates
San Bernardino Co
Calif

To Mr Lemmon
5218 GSA Bldg

(3/13)

Mr Lemmon -

Herewith Application
your Opinion
Guidons "
Letter to App requesting more data (Feb 6)
his answer
Letter to App - on ownership (Feb 25)
his answer

Lemmon Opp 3/11

Apparently this Application requires a lot of revision as to figures, unnecessary equipment for exploration -

But, if the geological setting appears favorable, we could ask a Field Team reprove, showing them, at the same time revise the COST items to fit their findings (This to be done in company with the applicant).

Your opinion is requested

Geo Selpulx
by O P Brown

Note: these are the only copies of the general letters + answers.
Please return intact.
OB