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To:		Date	
To:	Gowen	Date	6/20/51
To:	~~Field Team~~	Date	~~7/11/51~~
To:	Coordinating Com	Date	7/11/51
To:	Field Team	Date	7/11/51
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DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 943X

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Routing Slip

To:	Mr. Gowen	Date	9/5/51
To:	Mr. Lyon	Date	September 12, 1951
To:	Reports and Records	Date	SEP 14 1951
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
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DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 943 X

To: Reports and Records Branch

From: Copper Branch, Supply Division

Date: 7/11/51

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

Forwarded to Coordinating Committee to be referred to Field Team Reg IV
(take me to your office for signature)

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $

Other action, specify:

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

SEP 14 1951

A. E. C.

Memorandum

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Mr. Henry H. Bruderlin, 257 South Beloit Street, Los Angeles 49, California; Docket DMA-943X; Commodity - Copper

Denial of this application is recommended by Field Team, Region IV for the following reasons:

1. Mineralization is not persistent nor strong.

2. The copper is in the form of carbonates and silicates and below commerical grade.

3. Geological evidence is such that if a body of ore might be found it would be only at great cost.

4. Mining, hauling and treatment of ore would not be economically feasible.

5. Applicant did not outline his proposed exploration nor did he have a project when interviewed by the examining engineer.

6. Applicant has no experience and it is doubtful that he could conduct a true exploration program.

A letter has been prepared notifying the applicant of this denial.

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

1 NSRB-146
3 Forms 103 with answer sheets of three pages each
2 DMA Review for Exploration Assistance
1 Form letter from Tom Lyon to Mr. J. H. East, July 11, 1951
1 Geologic map of Whetrock Basin properties
1 Location and Assay map Whetrock Basin Group
1 Field Team Report of Whetrock & Elephant Butte copper

5 Carbon letters to Mr. H. H. Bruderlin from
L. F. Strobel April 9, 1951
J. B. Gowen April 23, 1951 with carbon letter attached from J. H. East to J. Boyd, April 2, 1951
J. B. Gowen June 6, 1951 with carbon letter attached from Bruderlin to Defense Minerals Administration May 20, 1951
L. F. Strobel June 21, 1951
Tom Lyon July 9, 1951 (3 copies)

2 Original letters from H. H. Bruderlin to Defense Minerals Administration
June 9, 1951
June 10, 1951

1 DMA Status Change Notice

Tom Lyon

Tom Lyon, Director
Supply Division

Attachment

310

FILE COPY
SURNAME:

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

SEP 14 1951

Memorandum

To: Administrative Management Division

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June 9, 1951
June 10, 1951
1 DMA Status Change Notice

Tom Lyon

Tom Lyon, Director
Supply Division

Attachment

RVWaugh:rw
9-12-51

Copy to: Administrator's Reading File
Executive Officer, DMA Field Team IV
J. B. Gowen
C. H. Johnson
D. MacLaren
Files - DMA Docket

310

FILE COPY
SURNAME:

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

SEP 14 1951

Mr. Henry H. Bruderlin
257 South Beloit Street
Los Angeles 49, California

Re: DMA-943X

Dear Mr. Bruderlin:

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.

On the basis of the material submitted with your application and the material available to the Government it is felt that the geological possibilities of the property do not warrant Government participation in further exploration at this time.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

RVWaugh:rw
9-12-51

Copy to: Adm. Reading File
Executive Officer, DMA Field Team III
Mr. J. B. Gowen
Mr. C. H. Johnson
Mr. D. MacLaren
Files-DMA Docket

EGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

August 31, 1951

Air Mail

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 9437, Henry J. Bruderlin, Shetrock and Elephant Butte Copper-Tungsten Prospects, Pinal County, Arizona

Enclosed herewith is original and two copies of the report as indicated above.

We concur with the conclusions and recommendations of the examining team.

J. H. East, Jr.

L. H. Kostelnik

enclosures

Mining Division
Region IV

August 29, 1951

Memorandum

To: DMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMA Docket 9138, Henry J. Brudenkin, Whatrock and Elephant Butte Copper-Tungsten Prospects, Pinal County, Arizona

The application accompanying the subject docket was for an exploration loan of $10,000 on a 50-50 basis for the exploration of copper, chromite and scheelite.

The applicant did not outline his proposed exploration and when interviewed by the examining engineer he still did not have a definite program.

Mineralization is present in narrow veins, but at no place have the veins been sufficiently exposed to provide a basis for inferring any ore. No samples were taken by the examining engineer, the six samples mentioned on page one being taken by Lynn Harvey, examining geologist, and the balance by Mr. Brudenkin.

The examining engineer recommends denial of the application, with which we concur.

W. H. King, for
F. T. Allman

Id

cc: DMA

Mining Division
Date Rec'd
AUG 20 1951
BUREAU OF MINES
Denver, Colorado

MINING DIVISION
SECTION IV

August 16, 1951

Memorandum

To : Paul T. Allaman, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : Henry J. Bruderlin's Chetrock and Elephant Butte Groups, Copper and Tungsten Project, Pima County, Ariz.

Enclosed are original and 7 copies of the section on Summary Conclusions and Recommendations, and the section on Engineering for the above report, both by Grant L. Ashly of the Bureau of Mines. No separate geological report will be submitted.

This report has my approval.

The original brochure is enclosed.

Walter A. Storms

cc: P. T. Allaman (7)
C. A. Anderson
MMA 941k
DF

WAStorms:rj

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

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Dale-Hall, Henry J. Bruderlin's Westrack and Elephant Butte Groups

Copper and Tungsten Project

Pinal County, Arizona

Grant A. Seably, Mining Engineer
U. S. Bureau of Mines

August 1951

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By Grant H. Mahly 1/

In May 1951, Henry J. Bruderlin applied for aid for an exploration project pursuant to Mineral Order No. 3, under the Defense Production Act of 1950. The application requested aid in the amount of $70,000 to be shared on a 50-50 basis for the exploration of copper, chromite and scheelite on the Whetrock and Elephant Butte groups of claims in Pinal County, Ariz. These claims are about 8 miles northwest of Superior, Ariz.

The Whetrock group was located some years ago by the Mullins brothers. The area was prospected in the early part of the century but there is no known production. The present owners are George Morton and Mart Mullins. The Elephant Butte claims were located recently. They are owned by Jess and Mart Mullins. There has been no production from these claims. Both groups are leased to the applicant.

The veins in the Whetrock group are in or adjacent to a quartz monzonite porphyry stock. There is a set of north-south trending veins dipping steeply to the west which are linked by a minor set of east-west to N. 30° W. fractures. Mineralization is found on both sets of fractures with some concentration at the junctions of the veins. This mineralization is erratic as to tenor and quantity. Associated rocks besides the quartz monzonite porphyry are a granitic

1/ Mining Engineer, Bureau of Mines

type of intrusive, diabase sills, felsite dikes, schist, and quartzite. Some Barnes conglomerate overlying the quartzite may serve to identify the latter as a member of the Pioneer shale formation.

The minerals making up the exposed portions of the veins in the Shetrock group are malachite, azurite, some chrysocolla, and a few specks of bornite and chalcopyrite. Assays indicate varying amounts of silver but it is impossible at the present time to determine the form in which it occurs. It may be associated with hematite and limonite. The chromite is of no interest as it occurs very sparsely in the rock.

In the vein on the Elephant Butte group the principal minerals are an impure scheelite, copper carbonates and silicates, and some chalcocite. This vein is in steeply tilted Final (?) schist and is made up of quartz, chlorite and feldspar with minor amounts of the valuable minerals.

The applicant is devoting his efforts to the Shetrock claims because of their supposed copper and silver content. The work is largely of a prospective nature, uncovering and sampling veins and faults and opening a cut on one of the cross fractures near the One-Two vein where some concentration of mineralization appears. No work is presently being done on the Elephant Butte vein. There is no definite program for exploration set up by the applicant.

Although there is a system of mineralized veins occurring in the porpoyry of the Shetrock area, the mineralization in those veins is very erratic as to metallic content and occurrence. Silver and

copper are found in varying amounts in small isolated bodies. Very little of the material can be considered as commercial ore. The possibility of finding bodies of economic size and tenor is very small.

The Elephant Butte vein carries some impure scheelite and about 2 percent copper. Values are spotty and in addition to probable high mining costs can be added the cost of a complicated metallurgical problem. Any ore that might be found would not be economically feasible.

It is recommended that the application for aid in exploring the Whetrock and Elephant Butte claims be denied because the project does not seem to be geologically nor economically feasible.

HENRY J. MUEHLEIN'S WHITROCK AND ELEPHANT BUTTE GROUPS
COPPER AND TUNGSTEN PROJECTS
PINAL COUNTY, ARIZONA
RFC DOCKET 943X

Engineering Report

By Grant R. Busby, Mining Engineer
U. S. Bureau of Mines

AUGUST 1951

HENRY J. BRUEGELIN'S WHETROCK AND ELEPHANT BUTTE GROUPS
COPPER AND TUNGSTEN PROJECT
PINAL COUNTY, ARIZONA
DMA DOCKET 94AK

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ILLUSTRATIONS

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1 Location map of Whetrock and Elephant Butte claims	1

INTRODUCTION

An application for a Government loan in the amount of $60,000 under Sec. 302 of the Defense Production Act of 1950 was made by Henry J. Bruderlin in March 1951. Apparently upon the advice of the Government in Washington this application was dropped and an application for aid for an exploration project pursuant to Mineral Order 5 under the Defense Production Act of 1950 was substituted. This latter application requested aid in the total amount of $70,000 to be shared on a 50-50 basis, to explore lode claims in Pinal County, Ariz. The commodities claimed were copper, scheelite and chromite. The claims were the Whetrock and Elephant Butte groups.

ACKNOWLEDGMENTS

The writer is indebted to Henry J. Bruderlin for his time and efforts in assisting in making the examinations, as well as for other courtesies.

LOCATION, TOPOGRAPHY AND CLIMATE

The Whetrock group of claims is situated in Pinal County, Ariz. 1 mile south of the JF ranch, as shown on the Iron Mountain, Arizona, quadrangle of the U. S. Geological Survey, and about 8 miles northwest of Superior. The group may be further located at 33° 32' 45" north latitude and 111° 13' 15" west longitude (see fig. 1).

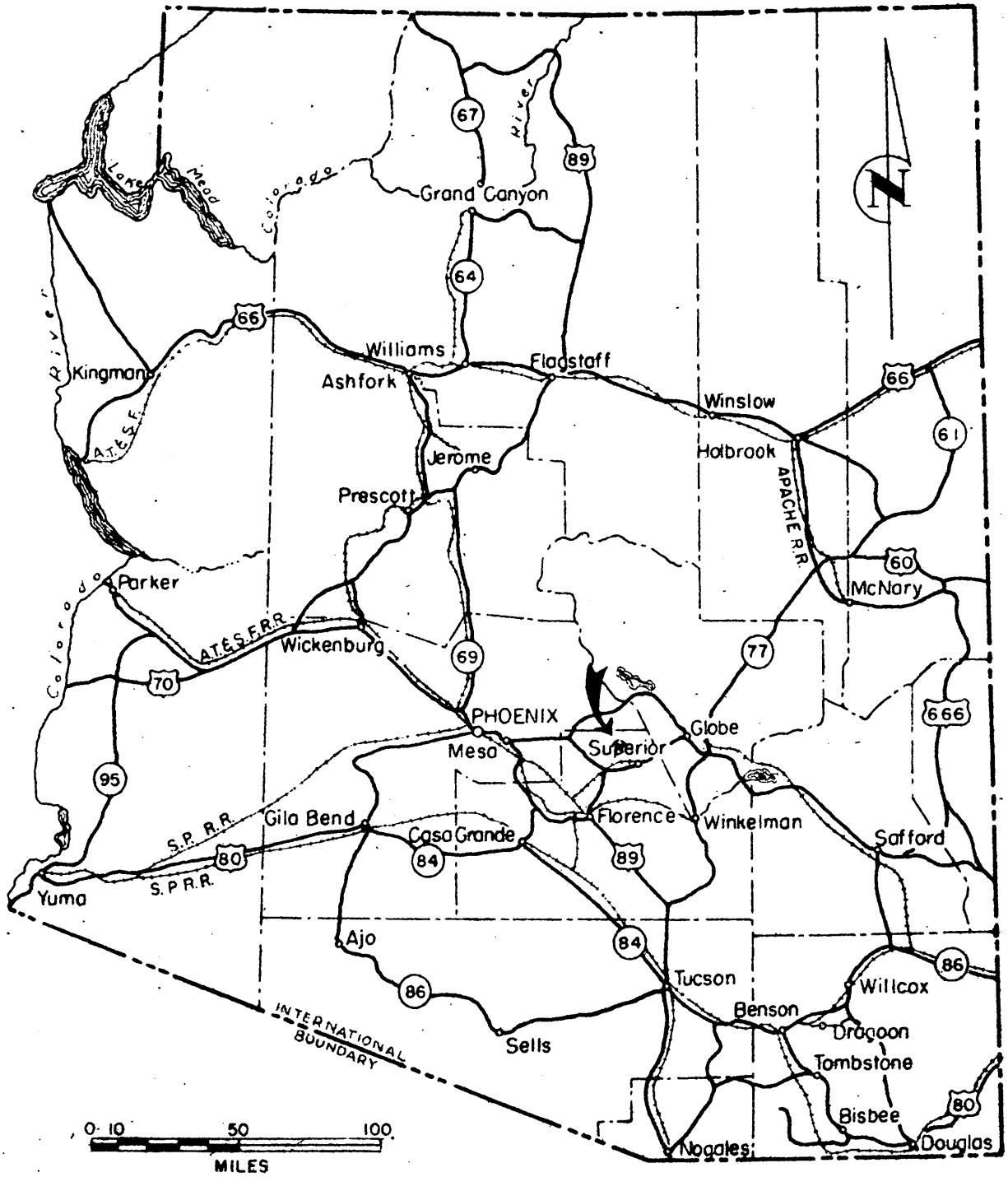

FIG. I - LOCATION MAP
OF WHETROCK AND
ELEPHANT BUTTE CLAIMS

DMA 943X AUG. 1951

The claims are reached by travelling up the Hewitt Canyon road, which leaves the old Queen Creek stage road about 1/2 mile northeasterly from Hewitt Station, a distance of about 7.5 miles, then turning left on a road up the side of the mountain for an additional 2.5 miles. The road up Hewitt Canyon lies in the bed of the canyon for almost its entire distance and therefore is impassable during flood conditions. The new road built by the applicant is very steep and is negotiable only by 4-wheel-drive vehicles.

The Elephant Butte group of claims is situated about 3.5 miles southwest of the Whetrock group at approximately 33° 22' 45" north latitude and 111° 16' 30" west longitude. The mass of rock rising out of Whitlow Canyon about 3/4 of a mile to the west and bearing a faint resemblance to an elephant gives the name to the claims.

These claims are reached by travelling up the Milk Ranch road, which leaves the old Queen Creek stage road near Whitlow's Ranch, a distance of about 4 miles. This road is in very poor condition but can be travelled by car.

The terrain in the vicinity of both groups of claims is extremely rugged. At the Whetrock group altitudes vary from 3,200 to more than 4,000 feet above sea level, and at the Elephant Butte group from 2,500 to 3,500 feet. Steep mountain slopes are characteristic of the area.

The climate is typical of the lower mountain areas of Arizona. Summers are hot and dry, and winters are mild. Some snow is found on the higher elevations during the winter. Rainy seasons send water tumbling down the normally dry washes and canyons, and make the roads impassable.

Desert vegetation predominates in the area but hackberry trees occur in some of the washes, and scrub oaks and junipers are found at the higher elevations.

There is no water presently available at either group of claims. A shaft sunk for a depth of 20 feet in Millsite Canyon near the Whetrock group of claims is dry. This shaft is at the so-called Hackberry campsite. It is possible that sufficient water for camp purposes could be developed at both groups of claims by drilling.

HISTORY AND PRODUCTION

The Whetrock group of lode mining claims was located some years ago by the Mullins brothers. The Elephant Butte claims were located very recently. There are 20 unpatented lode mining claims in the Whetrock group and 3 such claims in the Elephant Butte group. The latter are located end to end along a vein structure.

No recorded production is known but some ore is said to have been shipped from the Whetrock claims many years ago. If this is so, the ore was probably shipped for its silver content. Several old tunnels are on the property but the dumps, for the most part, have been washed away.

OWNERSHIP AND EXTENT

The 20 unpatented lode mining claims of the Whetrock group of claims are owned by George Merten and Hart Mullins. The 3 unpatented lode mining claims of the Elephant Butte group of claims are owned by Jess Mullins and Hart Mullins. Both groups are leased to Henry J. Bruderlin, the applicant.

DESCRIPTION OF DEPOSITS

A preliminary geologic map of a portion of the Whetrock Basin has been prepared by Dion L. Gardner, Geologist and Engineer, of Orange, Calif. This map was made on a base map which was enlarged from a portion of the Iron Mountain, Arizona, quadrangle sheet. U. S. Forest Service aerial photographs were used in preparing the map, as well as field work by Gardner. No mapping has been done in the Elephant Butte area.

The rocks cropping out in the Whetrock basin area are, in part, Pinal schist, Pioneer(?) shale, Barnes conglomerate, diabase, quartz monzonite porphyry, a granitic or syenitic rock, and felsite dikes. The Pinal schist as exposed in the area is a coarsely micaceous variety trending in a northeasterly direction and dipping steeply to the north. In exposures in Hewitt Canyon the schist is highly contorted and coarsely laminated with numerous lenses and veinlets of quartz. A quartzite which has been tentatively identified as a member of the Pioneer shale occurs as islands in the intrusive diabase, usually at the top of or near the tops of the higher hills. Some Barnes conglomerate appears to overlie the quartzite and may serve to identify the formation stratigraphically.

The quartz monzonite porphyry is generally a fine textured rock composed of quartz, and pink and white feldspars. It grades from a bleached whitish variety into dark grayish-green types. It is possible that this rock is similar to the quartz monzonite porphyry of the Silver King area near Superior. A granitic type of rock containing coarse feldspar crystals crops out in several areas. This rock may be genetically related to large masses of a similar rock to the east of the property. Intruded into the monzonite porphyry and the granite are a series of disjointed felsitic dikes having a general northerly trend.

A series of faults and veins having a general northerly strike occur in the Whetrock area. Other cross-fractures, which trend from east-west to N. 50° W., occur between the north-south breaks and form a linked or ladder-like system. Mineralization appears on both sets of faults with some concentration at the junctions. While the north-south fractures can be traced for perhaps 1,000 feet or more, mineralization is very irregular and inconsistent.

The copper minerals making up the exposed portions of the veins consist of the carbonates, malachite and azurite, and small amounts of the silicate, chrysocolla. No gold has been found but silver occurs in erratic amounts. The silver apparently is associated with hematite and limonite and does not vary uniformly with the copper.

Assay values of samples taken on the Whetrock claims vary from a trace to 3.2 percent copper and 0.10 to 106.40 ounces silver per ton of ore. These samples were cut at widely separated points and on

different vein systems. The arithmetical average of 19 samples taken is 18.2 ounces of silver and 0.9 percent copper. Another group of 6 samples cut at intervals across one vein have an average grade of 2.63 ounces silver and 0.5 percent copper.

Due to certain similarities of the shetrock area to those of the old Silver King mine and to the Magma mine in Superior, there is always the possibility of discovering a shoot of ore. Such a discovery would probably be the result of a long and patient search, and would require the expenditure of sums of money in excess of any hoped for returns.

The Elephant Butte area has had no geological study beyond the observations of the writer. A vein varying from 1 feet to 3 feet in width is traceable for some 3,000 feet. This vein occurs in steeply tilted Pinal (?) schist striking northeasterly. The vein filling is primarily quartz, chlorite and feldspar, in places assuming a pegmatitic character. An impure scheelite, copper carbonates and silicates, and some chalcocite occur in pockets of varying quantity and quality.

Hand-sorted ore from the Elephant Butte No. 1 claim assayed 1.84 percent WO_3, 2.2 percent copper and 0.78 ounces of silver. A similar sample from a 6-foot deep test pit on the Elephant Butte No. 2 claim assayed 7.18 percent WO_3. Some of this latter ore was concentrated by jigging and the concentrates assayed as follows:

Tungstic acid	46.82	percent
Iron	9.88	"
Copper	2.85	"
Lead	0.50	"
Zinc	0.61	"
Molybdenum	0.48	"
Sulfur	0.11	"
Phosphorous	0.03	"
Silica	28.30	"

This test was performed by Ed Eisenhaver, Jr. of Los Angeles, Calif.

Bruderlin stated in his original loan application that there was an undeveloped body of chromite ore immediately adjacent to one location. When questioned about this in the field he stated that it was nothing to be concerned about, it was merely of small mineralogical interest and could never be considered as a deposit of commercial interest.

ORE RESERVES

There are no reserves of ore at either the Whetrock or Elephant Butte group of claims. Mineralization is present in veins but at no place have the veins been exposed sufficiently to provide a basis for inferring any tonnage. The Whetrock veins have spots of silver-copper ores but no economical quantities or grades. Some tungsten mineralization is indicated in the Elephant Butte vein but the quantity of associated copper would make clean extraction costly.

PRESENT STATUS

At the present time the applicant is prospecting the Whetrock group. Major activity is concentrated on the One-Two vein where a cross fracture indicates some improved mineralization. Two men are engaged in this work. A third man operating a D-6 tractor with bulldozer blade is building roads to likely-looking areas, and trenching outcrops. These three men have a rude camp close to the work. In addition to the D-6 dozer, a 210-cfm Ingersoll-Rand Compressor, a 1½-ton Army truck with winch, a jeep, jackhammers, steel, hose and other miscellaneous items are in use at the Whetrock group.

PROPOSED EXPLORATION

Although the applicant did not outline his proposed exploration program when submitting his application, the writer questioned him at length in the field. It appears that he still has no definite program in mind that can be classified as exploration. What he does propose is a prospecting venture, uncovering outcrops with the bulldozer, chasing down small fractures, and mapping. None of this work would delineate any ore, and in view of both the geologic and economic factors, would be wasted effort.

While the Elephant Butte vein has not been thoroughly prospected, indications are that any ore that might be found could not be economically mined and treated, and therefore no further exploration need be done.

ESTIMATED COST OF PROJECT

Inasmuch as the conclusions regarding this application are adverse there is no need to discuss either the estimated cost of the project or the proposed financing.

CONCLUSIONS

Although there are several persistent north-south structural breaks in the Whetrock area, as well as a series of cross fractures in the quartz monzonite porphyry, mineralization is not persistent nor strong. Some localization takes place at intersections or joining of fractures but the areas involved are small. The copper content is in the form of carbonates and silicates and below commercial grade. Since silver is not essential nor pertinent to the commodity program it need not be considered. The geologic evidence is such that a body of ore may be found but only at great cost and such ore would probably not be of commercial proportions.

An estimate of the value of the ore at prevailing market prices is about $25 per ton. Mining, hauling and treatment charges under optimum conditions would be $25 or more. All ore mined would have to be direct shipping ore. Since no profit can be realized even on direct costs the venture would not be economically feasible.

The applicant already has spent considerable money on this project and indicated his intention to continue with his prospecting work in order to satisfy his own curiosity. As stated in the brochure, he has

had no previous mining experience, but has been indirectly connected with prospecting and mining operations for a number of years. He has owned, operated and profitably sold a chain of radio and electric appliance stores in the Los Angeles area. He is a "backyard" geologist and as such can envision structures extending for miles across the country, and huge ore bodies at depth indicated by hairline mineralized streaks in the rock. It is doubtful that he could conduct a true exploration program.

The Whetrock group of claims are neither geologically nor economically feasible.

While it is true that some hand sorted ore from the Elephant Butte No. 2 claim assayed 7.18 percent WO_3 it is not likely that such a grade can be maintained. Another similar sample on the same vein assayed 1.84 percent WO_3. Assuming that an average grade of 5 percent WO_3 could be maintained in sorted ore it would have a market value of $315 per ton. This ore would represent about one ton in every 15 tons of vein mined. On the basis of a production of 1.5 tons mined per man shift the direct mining cost would be about $15 per ton of rock or $225 per ton of sorted ore. Assuming a recovery of 60 percent of the contained values, the sorted ore would be worth only about $189. There is a loss on direct mining charges alone without adding hauling, milling, marketing or any other expenses.

The chromite deposit claimed by the applicant is of very minor importance.

RECOMMENDATIONS

It is recommended that the application for aid in exploring the whetrock group of claims be denied on the grounds that geological evidence of substantial ore bodies at depth are lacking and that ore of the grade presently indicated is not economically workable.

It is recommended that the application for aid in exploring the Elephant Butte group of claims be denied on the grounds that any ore that might be discovered could not be economically mined, treated and marketed.

FILE COPY
~~SURNAME:~~

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

JUL 11 1951

Re: Docket No. DMA-943X
Copper

Mr. Henry J. Bruderlin
257 South Beloit Avenue
Los Angeles 49, California

Dear Mr. Bruderlin:

The Copper Branch of the Defense Minerals Administration has studied your application for aid for an exploration project and concluded that a field team examination is necessary to provide further information. You should hear shortly from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, Region IV, 224 New Customhouse, Denver 2, Colorado.

In your application you have not stated definitely the work you propose to do nor furnished a map showing where this work is to be done. This is Item 20, Form MF-103, and should have been marked on the copy sent you by Mr. Gowen with his letter of June 6, 1951. These data should be prepared and ready for the field team when they visit your property.

In order to apply for serialization it will be necessary for you to file Form MF-100 and for your convenience we are enclosing five copies of this form.

It will also be necessary for you to submit a copy of your lease and a subordination agreement.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

not stripped in R+R.

Enclosures
JWAlt:ez

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

FILE COPY
SURNAME:

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

June 21, 1951

Mr. Henry H. Bruderlin
757 South Beloit Street
Los Angeles 49, California

Subject: DMA-943X
Re: Exploration Loan -
Elephant Butte #1, #2, #3,
Whetrock #1.

My dear Mr. Bruderlin:

Receipt is acknowledged of your application and attachments of May 25, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-943X and referred to Mr. J. B. Gowen, Chief, Copper Branch on June 19, 1951.

In any future correspondence relating to your application, kindly refer to DMA-943X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

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

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-943X

Date received 6/18/51

Participation

Henry H. Bruderlin,
257 South Beloit Avenue,
Los Angeles 49, California

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 18 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 25, 1951

(see attached sheets)

FILL IN THIS BLOCK

Date of application

Estimated cost

Mineral or metal

Percentage of Government participation

Location of mine

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

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

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

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

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

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

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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

CERTIFICATION

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

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

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

*Same as footnote on page 1.

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

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

Henry H. Bruderlin,
257 South Beloit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MF-103

4. The Applicant intends to manage the project. While I have had no direct experience in mining operations, I have been indirectly connected with prospecting and mining operations for a number of years and have successfully initiated, expanded and sold profitably a chain of radio and appliance stores in the Los Angeles area. I have also operated as Engineering Consultant for firms in this area in the Mechanical and Electrical fields and have a number of patents which are at present in practical use.

5. I am the Lessee of the property.

9. I have available sufficient capital to pay my part of the cost of the project as detailed in question 23.

10. (a) Twenty claims of the Whetrock Mining Properties and four claims of the Elephant Butte Mining Properties will be involved in the exploration project.

(b) All four claims of the Elephant Butte Property and nineteen of the claims of the Whetrock property will be subject to direct exploration under the project. Claim No. 2 of the latter has been found to have mineral (copper ore) in paying quality, quantity not determined. It is intended to conduct the mining operations on Claim No. 2, although such operations will admittedly be of an exploratory nature.

11. The former name of the Whetrock property was the same. The Elephant Butte property was unknown until the recent discovery of Schelite.

12. The Whetrock property is approximately ten miles from the Queen Creek road, along which runs the railroad line into Magma Mines at Superior, which is a distance of about twenty miles from the property via this route. It is intended to ship the ore to Magma mines for processing. A rail spur is available. The nearest town to the property is Superior which is about eight miles in a Southeasterly direction. The present road is passable by trucks and passenger cars except during very dry or very wet conditions when four-wheel drive is required. A contemplated new all-weather road will be 3½ miles shorter and will cost approximately Eight Thousand Dollars.

13. The nearest water available in quantity is approximately 1¼ miles from the center of the property in each case. On the Whetrock property there is evidence of plentiful water available at shallow depth at the campsite and arrangements are to be made immediately for drilling a well. Since the nearest electric power lines are at the Queen Creek road most of the power used will be gasoline engine. A twenty kw gas driven generator is available, as is a 210 C.F.M. compressor and a D6 tractor and bulldozer.

14. Existing equipment includes access roads, equipment mentioned under the previous question, a 1½ ton army truck with winch, a jeep, jack-hammers, drills, hose, and miscellaneous items.

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

Henry H. Bruderlin
257 South Beloit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MF-103

16. (a) There is evidence on the property of the Whetrock claims of previous prospecting in the form of a number of prospect holes and tunnels up to seventy feet in length. There are rumours of some quantites of high grade ore having been shipped from Whetrock, but no definite records are available. Small quantities of galena have recently been found in fault fractures on this property.

(b) The closest neighboring property having production history is the old Silver King mine near Superior, Arizona. Its record has been published. However, another area within two miles of the Whetrock claims is being developed and plans are to put in a large mill for extraction of copper, lead, and zinc, of which the mineral content of the veins on this neighboring property consist. Four Million Dollars worth of ore averaging Forty Dollars per ton have already been blocked out. Expectation, in accordance with mining history in this area, is that mineral values will grade to almost entirely high grade copper at depth.

(c) Engineer's reports are rather bulky and sufficient copies are not at hand tosubmit herewith. Reports were favorable to further exploration and development on the Whetrock claims. No report is available for the Elephant Butte claims.

17. Mine is not yet in production.

18. Property has not been operated in recent times. Maps and estimated reserves were submitted under separate cover.

23. (a) 3 miners @ $14./day - 1 year $12,000.00
1 bulldozer operator @ $16./day - 36 mos. 2,400.00
1 Helper @ $12./day - 1 year 3,600.00
1 Cook @ $10./day 3,000.00
1 Geolog.-engineer (part time) - $50./day 3,000.00 $24,000.00

(b) Supervisor. Project manager @ $20./day 6,000.00

(c) No repairs

(d) Well - Tank - Pump $900.00 900.00
4 house trailers for living quarters $2800.00
mess hall - latrine - shower, etc. 600.00
All weather road - 8000.00 12,300.00

(e) 4 air hammers - used $200. 800.00
Air hoist - used $400. 400.00
Forge & anvil 50.00
Compressor - 105 cfm - trailer 1600.00
Pipe - 500 ft 150.00 3,000.00

(f) Cove drill rig - 5/ft - 1000 ft $5000.00 5,000.00

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

Henry H. Bruderlin
257 South Deloit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MF-103

(g)	Bulldozer @ $12.50/hr - 600 hrs.	$7500.00	
	Supply truck @ $10./day approx.	1000.00	
	Jeep @ $5./day approx.	1000.00	
	Generator @ $10./day approx.	1200.00	
	Compressor 210 cfm @ $15./day approx.	2000.00	
			$12,700.00
(h)	Powder, fuses, caps	$1500.00	
	Hose, fittings	150.00	
	Fuel	1200.00	
	Assays & tests	2500.00	
	Drill heads	40.00	
	Water tanks (2) $40./	80.00	
	Water hose, fittings	40.00	
	Expendable camp supplies	800.00	
	Blower	40.00	
	Grinder	20.00	
			$6370.00
(i)	none.		

24. month

1) Well dug, water tanks & pumps, access roads to most promising areas, open cuts on present known veins, establish camp, purchase equipment	$12,500.
2) Additional access roads & cross cuts with dozer, cut drifts into veins at fracture intersections	7,000.
3) Begin all-weather road, further work on geological map. Continue drifts & open cuts to expose structure and permit comprehensive sampling.	7,500.
4) Continue road, cross cuts & drifts - extensive sampling	7,000.
5) Road completed ready for County maintenance - new access roads on property - further clearing of overburden. Drifts extended.	6,500.
6) Drifting, cuts, tests -	4,000.
7) " " " - Geological Survey	5,000.
8) " " "	4,000.
9) " " " - Geological Survey	5,000.
10) " " "	4,000.
11) " " "	3,500.
12) " " " - final geological Survey, completion of data.	4000.
	$70,000.

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERI

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-943X

Date received 6/8/51

Participation

Henry H. Bruderlin,
257 South Beloit Avenue,
Los Angeles 49, California

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 18 1951
LANDON F. STROBEL
Executive Secretary
Date May 25, 1951

Name and address of applicant

(see attached sheets)

FILL IN THIS BLOCK

Date of application

Estimated cost

Mineral or metal

Percentage of Government participation

Location of mine

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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*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.

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(*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.

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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.

---------- By ----------
(Name of company) (Signature of authorized official)

---------- ----------
(Date) (Title)

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

*Same as footnote on page 1.

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

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

Henry M. Bruderlin,
257 South Beloit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MF-103

4. The Applicant intends to manage the project. While I have had no direct experience in mining operations, I have been indirectly connected with prospecting and mining operations for a number of years and have successfully initiated, expanded and sold profitably a chain of radio and appliance stores in the Los Angeles area. I have also operated as Engineering Consultant for firms in this area in the Mechanical and Electrical fields and have a number of patents which are at present in practical use.

5. I am the lessee of the property.

9. I have available sufficient capital to pay my part of the cost of the project as detailed in question 23.

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(b) All four claims of the Elephant Butte Property and nineteen of the claims of the Whetrock property will be subject to direct exploration under the project. Claim No. 2 of the latter has been found to have mineral (copper ore) in paying quality, quantity not determined. It is intended to conduct the mining operations on Claim No. 2, although such operations will admittedly be of an exploratory nature.

11. The former name of the Whetrock property was the same. The Elephant Butte property was unknown until the recent discovery of Scheelite.

12. The Whetrock property is approximately ten miles from the Queen Creek road, along which runs the railroad line into Magma Mines at Superior, which is a distance of about twenty miles from the property via this route. It is intended to ship the ore to Magma mines for processing. A rail spur is available. The nearest town to the property is Superior which is about eight miles in a Southeasterly direction. The present road is passable by trucks and passenger cars except during very dry or very wet conditions when four-wheel drive is required. A contemplated new all-weather road will be 3½ miles shorter and will cost approximately Eight Thousand Dollars.

13. The nearest water available in quantity is approximately 1½ miles from the center of the property in each case. On the Whetrock property there is evidence of plentiful water available at shallow depth at the campsite and arrangements are to be made immediately for drilling a well. Since the nearest electric power lines are at the Queen Creek road most of the power used will be gasoline engine. A twenty kw gas driven generator is available, as is a 210 C.F.M. compressor and a D6 tractor and bulldozer.

14. Existing equipment includes access roads, equipment mentioned under the previous question, a 1½ ton army truck with winch, a jeep, jack-hammers, drills, hose, and miscellaneous items.

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

Henry H. Bruderlin
257 South Detroit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MF-103

16. (a) There is evidence on the property of the Chetrock claims of previous prospecting in the form of a number of prospect holes and tunnels up to seventy feet in length. There are rumours of some quantites of high grade ore having been shipped from Chetrock, but no definite records are available. Small quantities of galena have recently been found in fault fractures on this property.

(b) The closest neighboring property having production history is the old Silver King mine near Superior, Arizona. Its record has been published. However, another area within two miles of the Chetrock claims is being developed and plans are to put in a large mill for extraction of copper, lead, and zinc, of which the mineral content of the veins on this neighboring property consist. Four Million Dollars worth of ore averaging Forty Dollars per ton have already been blocked out. Expectation, in accordance with mining history in this area, is that mineral values will grade to almost entirely high grade copper at depth. ?

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17. Mine is not yet in production.

18. Property has not been operated in recent times. Maps and estimated reserves were submitted under separate cover.

23. (a) 3 miners @ $14./day - 1 year $12,000.00
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1 Helper @ $12./day - 1 year 3,000.00
1 Cook @ $10./day 3,000.00
1 Geolog.-engineer (part time) @ $50./day 3,000.00
$24,000.00

(b) Supervisor. Project manager @ $20./day 6,000.00

(c) No repairs

(d) Well - Tank - Pump $900.00
4 house trailers for living quarters $2000.00
mess hall - latrine - shower, etc. 600.00
All weather road - 8000.00
12,300.00

(e) 4 air hammers - used $200. 800.00
Air hoist - used $400. 400.00
Forge & anvil 50.00
Compressor - 105 cfm - trailer 1600.00
Pipe - 500 ft 150.00
3,000.00

(f) Core drill rig - 5/ft - 1000 ft $5000.00 5,000.00

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

Henry H. Bruderlin
257 South Detroit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MF-103

(g)	Bulldozer @ $12.50/hr - 600 hrs.		$7500.00	
	Supply truck $10./day approx.		1000.00	
	Jeep $5./day approx.		1000.00	
	Generator $10./day approx.		1200.00	
	Compressor 210 cfm $15./day approx.		2000.00	
				$12,700.00
(h)	Powder, fuses, caps	$1500.00		
	Hose, fittings	150.00		
	Fuel	1200.00		
	Assays & tests	2500.00		
	Drill heads	40.00		
	Water tanks (2) $40./	80.00		
	Water hose, fittings	40.00		
	Expendable camp supplies	800.00		
	Blower	40.00		
	Grinder	20.00		
				$6370.00
(i)	none.			

24. month

1)	Well dug, water tanks & pumps, access roads to most promising areas, open cuts on present known veins, establish camp, purchase equipment	$12,500.
2)	Additional access roads & cross cuts with dozer, cut drifts into veins at fracture intersections	7,000.
3)	Begin all-weather road, further work on geological map. Continue drifts & open cuts to expose structure and permit comprehensive sampling.	7,500.
4)	Continue road, cross cuts & drifts - extensive sampling	7,000.
5)	Road completed ready for County maintenance - new access roads on property - further clearing of overburden. Drifts extended.	6,500.
6)	Drifting, cuts, tests -	4,000.
7)	" " " - Geological Survey	5,000.
8)	" " "	4,000.
9)	" " " - Geological Survey	5,000.
10)	" " "	4,000.
11)	" " "	3,500.
12)	" " " - Final geological Survey, completion of data.	4000.
		$70,000.

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-943 X

Date received 6/18/51

Participation

Department of the Interior
Defense Minerals Administration
RECEIVED
JUN 18 1951
LANDON F. STROBEL
Executive Secretary

Henry H. Bruderlin,
257 South Detroit Avenue,
Los Angeles 49, California

Name and address of applicant

Date May 25, 1951

(see attached sheets)

FILL IN THIS BLOCK

Date of application .....

Estimated cost .....

Mineral or metal .....

Percentage of Government participation .....

Location of mine .....

Date of filing MF-100 .....

DMA Docket Number, if available .....

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

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

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

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

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

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

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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

CERTIFICATION

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

---------- (Name of company)

By ---------- (Signature of authorized official)

---------- (Date)

---------- (Title)

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

*Same as footnote on page 1.

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

[illegible] 5, [illegible] 1950.

Henry [illegible] Cruderlin,
257 South Detroit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form [illegible]-103

4. The Applicant intends to manage the project. While I have had no direct experience in mining operations, I have been indirectly connected with prospecting and mining operations for a number of years and have successfully initiated, expanded and sold profitably a chain of radio and appliance stores in the Los Angeles area. I have also operated as Engineering Consultant for firms in this area in the Mechanical and Electrical fields and have a number of patents which are at present in practical use.

5. I am the Lessee of the property.

9. I have available sufficient capital to pay my part of the cost of the project as detailed in question 23.

10. (a) Twenty claims of the Whetrock Mining Properties and four claims of the Elephant Butte Mining Properties will be involved in the exploration project.

(b) All four claims of the Elephant Butte Property and nineteen of the claims of the Whetrock property will be subject to direct exploration under the project. Claim No. 2 of the latter has been found to have mineral (copper ore) in paying quality, quantity not determined. It is intended to conduct the mining operations on Claim No. 2, although such operations will admittedly be of an exploratory nature.

11. The former name of the Whetrock property was the same. The Elephant Butte property was unknown until the recent discovery of Scheelite.

12. The Whetrock property is approximately ten miles from the Queen Creek road, along which runs the railroad line into Magma Mines at Superior, which is a distance of about twenty miles from the property via this route. It is intended to ship the ore to Magma mines for processing. A rail spur is available. The nearest town to the property is Superior which is about eight miles in a Southeasterly direction. The present road is passable by trucks and passenger cars except during very dry or very wet conditions when four-wheel drive is required. A contemplated new all-weather road will be 3½ miles shorter and will cost approximately Eight Thousand Dollars.

13. The nearest water available in quantity is approximately 1½ miles from the center of the property in each case. On the Whetrock property there is evidence of plentiful water available at shallow depth at the campsite and arrangements are to be made immediately for drilling a well. Since the nearest electric power lines are at the Queen Creek road most of the power used will be gasoline engine. A twenty kw gas driven generator is available, as is a 210 C.f.m. compressor and a D6 tractor and bulldozer.

14. Existing equipment includes access roads, equipment mentioned under the previous question, a 1½ ton army truck with winch, a jeep, jack-hammers, drills, hose, and miscellaneous items.

APPLICATION FOR AND FOR [illegible] APPROPRIATION PROJECT FORM 2T TO [illegible] CODE 5, [illegible] ACT OF 1950.

Henry H. Bruderlin
257 South Bel Air Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MP-103

16. (a) There is evidence on the property of the Chetrock claims of previous prospecting in the form of a number of prospect holes and tunnels up to seventy feet in length. There are rumours of some quantities of high grade ore having been shipped from Chetrock, but no definite records are available. Small quantities of galena have recently been found in fault fractures on this property.

(b) The closest neighboring property having production history is the old Silver King mine near Superior, Arizona. Its record has been published. However, another area within two miles of the Chetrock claims is being developed and plans are to put in a large mill for extraction of copper, lead, and zinc, of which the mineral content of the veins on this neighboring property consist. Four Million Dollars worth of ore averaging Forty Dollars per ton have already been blocked out. Expectation, in accordance with mining history in this area, is that mineral values will grade to almost entirely high grade copper at depth.

(c) Engineer's reports are rather bulky and sufficient copies are not at hand to submit herewith. Reports were favorable to further exploration and development on the Chetrock claims. No report is available for the Elephant Butte claims.

17. Mine is not yet in production.

18. Property has not been operated in recent times. Maps and estimated reserves were submitted under separate cover.

23. (a) 3 miners $10./day - 1 year $13,000.00
1 bulldozer operator $10./day - 30 mos. 4,[illegible]
1 helper $12./day - 1 year 3,000.00
1 Cook $10./day 3,[illegible]
1 Geolog.-engineer (part time) $[illegible]./day 3,[illegible] 24,[illegible]

(b) Supervisor, project manager [illegible]./day [illegible]

(c) No repairs

(d) Oil - tank - pump [illegible] [illegible]
4 house trailers for living quarters [illegible]
mess hall - latrine - shower, etc. [illegible]
All weather road - 6000.00 12,380.00

(e) 4 air hammers - used [illegible] 800.00
Air hoist - used [illegible] 400.00
Forge & anvil 50.00
Compressor - 185 cfm - trailer 1600.00
Pipe - 500 ft 150.00 3,000.00

(f) Core drill rig - 5/ft - 1000 ft [illegible] 5,[illegible]

APPLICATION FOR AID FOR [illegible] PROJECT RESEARCH FOUNDATION FORM 5, [illegible] 1950.

Henry W. Bruderlin
257 South Lelolt Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form AF-103

(g)	Bulldozer [illegible] 12.50/hr - 600 hrs.	$7500.00	
	Supply truck [illegible] 10./day approx.	1000.00	
	Jeep [illegible] 5./day approx.	1000.00	
	Generator [illegible] 10./day approx.	1000.00	
	Compressor 210 cfm [illegible] 18./day approx.	1000.00	
			$12,700.00
(h)	Powder, fuses, caps	$1500.00	
	Hose, fittings	150.00	
	Fuel	1200.00	
	Assays & tests	2500.00	
	Drill heads	40.00	
	Water tanks (2) [illegible]./	80.00	
	Water hose, fittings	40.00	
	Expendable camp supplies	200.00	
	Blower	40.00	
	Grinder	20.00	
			$6370.00
(i)	none.		

24. month

1)	Well dug, water tanks & pumps, access roads to most promising areas, open cuts on present known veins, establish camp, purchase equipment	$10,500.
2)	Additional access roads & cross cuts with dozer, cut drifts into veins at fracture intersections	7,000.
3)	Begin all-weather road, further work on geological map. Continue drifts & open cuts to expose structure and permit comprehensive sampling.	7,500.
4)	Continue road, cross cuts & drifts - extensive sampling	7,000.
5)	Road completed ready for County maintenance - new access roads on property - further clearing of overburden. Drifts extended.	6,500.
6)	Drilling, cuts, tests -	4,000.
7)	" " " - Geological Survey	5,000.
8)	" " "	4,000.
9)	" " " - Geological Survey	5,000.
10)	" " "	4,000.
11)	" " "	3,000.
12)	" " " - Final geological Survey, completion of data.	4000.
		$70,000.

dma-943X

June 10, 1951
257 South Beloit Avenue,
Los Angeles 49, California

United States Department of the Interior,
Defense Minerals Administration,
Washington 25, D. C.

Attention of Mr. J. B. Gowen, Acting Chief
Copper Branch, DMA
Re: Docket DMA-943

Gentlemen:

In accordance with your letter of June 6th I am enclosing completed Forms MF-103, answering only the questions which you have specified are to be answered in this instance.

Please advise if it will be necessary for me to apply separately for Serialization in accordance with Mineral Order MO-7.

Very truly yours,

Henry H. Bruderlin

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 18 1951
LINDSEY F. STRONG
Executive Secretary

HHB/hs

June 9, 1951
257 South Beloit Avenue,
Los Angeles 49, California

United States Department of the Interior,
Defense Minerals Administration,
Washington 25, D. C.

Attention of Mr. J. B. Gowen, Acting Chief,
Copper Branch, DMA
Re: Docket No. DMA-943

Gentlemen:

In accordance with your letter of April 23rd, I am enclosing herewith copies of geological, location, and assay maps of the Whetrock mining property in Pinal County, Arizona. Since the Whetrock group comprises the largest showing of copper in the area and has considerably more promise than the Elephant Butte group, we have been devoting almost all our entire time to the development of the former. Location, tonnage, and grade of the observed ore blocks is shown on the assay map.

Please advise if additional information is required in order to expedite the processing of my application for Federal loan.

It appears that, due to the very preliminary state of development of the Elephant Butte claim, it may be advisable for me to file application for assistance on this property under the Mineral Exploration Program, and to confine the scope of the previously submitted application for loan to the Whetrock group. Please advise if, in your opinion, this would be a proper step to take.

Very truly yours,

Henry H Bruderlin

Henry H. Bruderlin

HHB/hs

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 12 1951
LANDON F. STROBEL
Executive Secretary

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 - 943 X

Date received 6/18/51

Participation

Henry H. Bruderlin,
257 South Beloit Avenue,
Los Angeles 49, California

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 18 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 25, 1951

(see attached sheets)

FILL IN THIS BLOCK

Date of application

Estimated cost

Mineral or metal

Percentage of Government participation

Location of mine

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

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

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

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

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

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

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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

CERTIFICATION

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

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

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

*Same as footnote on page 1.

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

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

Henry H. Bruderlin,
257 South Beloit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MF-103

4. The Applicant intends to manage the project. While I have had no direct experience in mining operations, I have been indirectly connected with prospecting and mining operations for a number of years and have successfully initiated, expanded and sold profitably a chain of radio and appliance stores in the Los Angeles area. I have also operated as Engineering Consultant for firms in this area in the Mechanical and Electrical fields and have a number of patents which are at present in practical use.

5. I am the Lessee of the property.

9. I have available sufficient capital to pay my part of the cost of the project as detailed in question 23.

10. (a) Twenty claims of the Whetrock Mining Properties and four claims of the Elephant B utte Mining Properties will be involved in the exploration project.

(b) All four claims of the Elephant Butte Property and ninteen of the claims of the Whetrock property will be subject to direct exploration under the project. Claim No. 2 of the latter has been found to have mineral (copper ore) in paying quality, quantity not determined. It is intended to conduct the mining operations on Claim No. 2, although such operations will admittedly be of an exploratory nature.

11. The former name of the Whetrock property was the same. The Elephant Butte property was unknown until the recent discovery of Schelite.

12. The Whetrock property is approximately ten miles from the Queen Creek road, along which runs the railroad line into Magma Mines at Superior, which is a distance of about twenty miles from the property via this route. It is intended to ship the ore to Magma mines for processing. A rail spur is available. The nearest town to the property is Superior which is about eight miles in a Southeasterly direction. The present road is passable by trucks and passenger cars except during very dry or very wet conditions when four-wheel drive is required. A contemplated new all-weather road will be $3\frac{1}{2}$ miles shorter and will cost approximately Eight Thousand Dollars.

13. The nearest water available in quantity is approximately $1\frac{1}{4}$ miles from the center of the property in each case. On the Whetrock property there is evidence of plentiful water available at shallow depth at the campsite and arrangements are to be made immediately for drilling a well. Since the nearest electric power lines are at the Queen Creek road most of the power used will be gasoline engine. A twenty kw gas driven generator is available, as is a 210 C.F.M. compressor and a D6 tractor and bulldozer.

14. Existing equipment includes access roads, equipment mentioned under the previous question, a $1\frac{1}{2}$ ton army truck with winch, a jeep, jack-hammers, drills, hose, and miscellaneous items.

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

Henry H. Bruderlin
257 South Beloit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MF-103

16. (a) There is evidence on the property of the Whetrock claims of previous prospecting in the form of a number of prospect holes and tunnels up to seventy feet in length. There are rumours of some quantites of high grade ore having been shipped from Whetrock, but no definite records are available. Small quantities of galena have recently been found in fault fractures on this property.

(b) The closest neighboring property having production history is the old Silver King mine near Superior, Arizona. Its record has been published. However, another area within two miles of the Whetrock claims is being developed and plans are to put in a large mill for extraction of copper, lead, and zinc, of which the mineral content of the veins on this neighboring property consist. Four Million Dollars worth of ore averaging Forty Dollars per ton have already been blocked out. Expectation, in accordance with mining history in this area, is that mineral values will . grade to almost entirely high grade copper at depth.

(c) Engineer's reports are rather bulky and sufficient copies are not at hand tosubmit herewith. Reports were favorable to further exploration and development on the Whetrock claims. No report is available for the Elephant Butte claims.

17. Mine is not yet in production.

18. Property has not been operated in recent times. Maps and estimated reserves were submitted under separate cover.

23.

(a) 3 miners @ $14./day - 1 year		$12,600.00	
1 Bulldozer operator @ $16./day - 36 mos.		2,400.00	
1 Helper @ $12./day - 1 year		3,600.00	
1 Cook @ $10./day		3,000.00	
1 Geolog.-engineer (part time) @ $50./day		3,000.00	
			$24,600.00
(b) Supervisor. Project manager @ $20./day			6,000.00
(c) No repairs			
(d) Well - Tank - Pump	$900.00	900.00	
4 house trailers for living quarters		$2800.00	
mess hall - latrine - shower, etc.		600.00	
All weather road -		8000.00	
			12,300.00
(e) 4 air hammers - used $200.		800.00	
Air hoist - used $400.		400.00	
Forge & anvil		50.00	
Compressor - 105 cfm - trailer		1600.00	
Pipe - 500 ft		150.00	
			3,000.00
(f) Cove drill rig - 5/ft - 1000 ft		$5000.00	5,000.00

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

Henry H. Bruderlin
257 South Beloit Avenue,
Los Angeles 49, California

May 25, 1951

Supplement to Form MF-103

(g)	Bulldozer @ $12.50/hr -	600 hrs.	$7500.00	
	Supply truck @ $10./day	approx.	1000.00	
	Jeep @ $5./day approx.		1000.00	
	Generator @ $10./day approx.		1200.00	
	Compressor 210 cfm @ $15./day approx.		2000.00	
				$12,700.00
(h)	Powder, fuses, caps		$1500.00	
	Hose, fittings		150.00	
	Fuel		1200.00	
	Assays & tests		2500.00	
	Drill heads		40.00	
	Water tanks (2) $40./		80.00	
	Water hose, fittings		40.00	
	Expendable camp supplies		800.00	
	Blower		40.00	
	Grinder		20.00	
				$6370.00
(i)	none.			

24. month

1)	Well dug, water tanks & pumps, access roads to most promising areas, open cuts on present known veins, establish camp, purchase equipment	$12,500.
2)	Additional access roads & cross cuts with dozer, cut drifts into veins at fracture intersections	7,000.
3)	Begin all-weather road, further work on geological map. Continue drifts & open cuts to expose structure and permit comprehensive sampling.	7,500.
4)	Continue road, cross cuts & drifts - extensive sampling	7,000.
5)	Road completed ready for County maintenance - new access roads on property - further clearing of overburden. Drifts extended.	6,500.
6)	Drifting, cuts, tests -	4,000.
7)	" " " - Geological Survey	5,000.
8)	" " "	4,000.
9)	" " " - Geological Survey	5,000.
10)	" " "	4,000.
11)	" " "	3,500.
12)	" " " - Final geological Survey, completion of data.	4,000.
		$70,000.

FILE COPY
SURNAME:

Gowen
Blackburn

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

June 6, 1951

Re: Docket DMA-943

Mr. Henry H. Bruderlin
237 South Beloit Street
Los Angeles 49, California

Dear Mr. Bruderlin:

Thank you for your letter of May 20, 1951 in which you suggest doubt as to your eligibility for an exploratory project as suggested in our letter of April 23.

Lacking the additional information requested in the final paragraph of our April 23, letter, it is impossible for us to evaluate your proposal from the stand point of what tonnage of copper and tungsten is now available for the expansion program, and whether or not the tonnage so indicated is sufficient to warrant a loan of $60,000.

A course you might follow would be to apply for the exploration assistance, indicating very definitely the areas to be explored so that you could mine the other area without a loan. The only such new ore as you might discover would be tied to the exploration contract. When the newly discovered ore plus the unmined part of what you now have should indicate sufficient reserves we could take up for consideration your present proposal. In other words, if you will file an exploratory application on MF-103, and send us copies of such location maps, assay maps, geological maps if available, and any other pertinent data as may be available, showing location, tonnage and grade of ore blocks or reserves, we will then be in a position to advise you more properly just what type of assistance will most benefit the Defense Production Program, and best fits your needs.

The final date for filing new applications under the present law is May 30. However, you are protected on that score by virtue of having an application on file for a loan, and your MF-103 will be considered as a request for ammendment of application.

Only those questions circled in red on the enclosed form need be answered, as you have already supplied the other information. For your help and guidance we are enclosing a copy of press release dated May 14, 1951.

JBGowen:ba
Copy to J. H. East, W.C.I.
Executive Secretary, W.C.I.
Copper Branch, W.C.I.
Enclosure Files

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

DMA 943

Bowen

Air mail

May 20, 1951
257 South Beloit Avenue,
Los Angeles 49, California

Ans'd 6/6/51
DR M. Ma

United States Department of the Interior
Defense Minerals Administration,
Washington 25, D. C.

Attention of Mr. J. B. Gowen, Acting Chief
Copper Branch, DMA
Re: Docket No. DMA-943

Gentlemen:

This will acknowledge receipt of your letter of April 23rd.

While it is true, as you state in your letter, that we do not have on our groups of claims developed or measured ore reserves and are unable to estimate with any satisfactory degree of accuracy the quantity of ore which may be available for shipment from these claims, it is also true that there is enough medium and high grade ore in sight to warrant immediate commencement of mining and shipping operations on both properties involved. It therefore does not appear to us that our project will comply with regulations outlined in MO-5, with specific reference to section 8A, which specified that this work shall not go beyond a reasonable delineation in sampling of the ore and shall not include work prosecuted primarily for mining or preparation for mining. It is apparent that the ore we have found on both properties as it is now exposed is of shipping quality and has already been carefully and thoroughly sampled although as previously stated with the small amount of development work which has already been done it is impossible to determine the extent of the valuable deposits.

We would appreciate your advice as to whether or not we are mistaken in our interpretation of MO-5, section 8A and whether it would be advisable for us to discontinue the present application and reapply under the mineral exploration program.

Please advise also the latest date upon which application for Government aid in defense exploration projects may be filed according to present regulations.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 2 3 1951
LANDON F. STROBEL
Executive Secretary

Very truly yours,

Henry H. Bruderlin

Henry H. Bruderlin

HHB/hs

FILE COPY
SURNAME:

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

April 23, 1951

Re: Docket No. DMA-943

Mr. Henry H. Bruderlin
257 South Beloit Street
Los Angeles, California

Dear Mr. Bruderlin:

Your application for a loan to provide equipment and working capital for the extraction of copper and tungsten from two separate deposits on the Elephant Butte and Whetrock groups of claims in Pinal County, Arizona, has been referred to the Copper Branch for consideration.

From a study of the application, it appears that the project is one of exploration of undeveloped deposits rather than for the expansion of production from developed or measured ore reserves.

A program of aid for mineral exploration on a matching fund basis has just been put into effect and is described in the enclosed copies of a press release dated April 11, 1951 and Form MO-5 (Regulations). We are also enclosing two sets each of Forms MF-100 (General Technical Data) and Form MF-103 (Application for Aid for an Exploration Project).

It is to be noted that the percentage of Government participation is different for copper and tungsten so you may wish to file separate applications in case you decide to take advantage of this program. In case the two operations are inseparable it might be advisable to estimate the proportion of the funds to be utilized in the exploration of the tungsten in order to take advantage of larger government share.

If you wish your application to remain as it now is, we will require considerable more detailed information concerning the deposits. Such information should include location maps, geological and assay maps and any other pertinent data showing the exact location, tonnage and grade of the ore blocks or reserves from which will come sufficient production to liquidate the loan on the terms set forth in your application.

Copy to Executive Secretary,
W.C.I.
Bopper Branch, W.C.I.
J. H. East, 224 New Customhouse
Denver 2, Colorado, ~~MXE~~
~~F~~ i l e s

Enclosures

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

FILE COPY
SURNAME:

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

April 9, 1951

Mr. Henry H. Bruderlin
257 South Beloit Street
Los Angeles 49, California

Subject: DMA-943

My dear Mr. Bruderlin:

Receipt is acknowledged of your application and attachments of March 27, for a Government loan under the Defense Production Act of 1950.

The application was assigned docket number 943 and referred to Mr. J. B. Gowen, Acting Chief, Copper Branch, on April 6.

In any future correspondence relating to your application, kindly refer to DMA-943.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:bh

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

April 9, 1951

Mr. Henry H. Bruderlin
257 South Beloit Street
Los Angeles 49, California

Subject: DMA-943

My dear Mr. Bruderlin:

Receipt is acknowledged of your application and attachments of March 27, for a Government loan under the Defense Production Act of 1950.

The application was assigned docket number 943 and referred to Mr. J. B. Gowen, Acting Chief, Copper Branch, on April 6.

In any future correspondence relating to your application, kindly refer to DMA-943.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:bh

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

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

April 23, 1951

Re: Docket No. DMA-943

Mr. Henry H. Bruderlin
257 South Beleit Street
Los Angeles, California

Dear Mr. Bruderlin:

Your application for a loan to provide equipment and working capital for the extraction of copper and tungsten from two separate deposits on the Elephant Butte and Whetrock groups of claims in Pinal County, Arizona, has been referred to the Copper Branch for consideration.

From a study of the application, it appears that the project is one of exploration of undeveloped deposits rather than for the expansion of production from developed or measured ore reserves.

A program of aid for mineral exploration on a matching fund basis has just been put into effect and is described in the enclosed copies of a press release dated April 11, 1951 and Form MO-5 (Regulations). We are also enclosing two sets each of Forms MF-100 (General Technical Data) and Form MF-103 (Application for Aid for an Exploration Project).

It is to be noted that the percentage of Government participation is different for copper and tungsten so you may wish to file separate applications in case you decide to take advantage of this program. In case the two operations are inseparable it might be advisable to estimate the proportion of the funds to be utilized in the exploration of the tungsten in order to take advantage of larger government share.

If you wish your application to remain as it now is, we will require considerable more detailed information concerning the deposits. Such information should include location maps, geological and assay maps and any other pertinent data showing the exact location, tonnage and grade of the ore blocks or reserves from which will come sufficient production to liquidate the loan on the terms set forth in your application.

Very truly yours,

J. P. Gowen

J. P. Gowen, Acting Chief
Copper Branch, DMA

Copy to Executive Secretary,
W.C.I.
Copper Branch, W.C.I.
J. H. East, 224 New Customhouse
Denver 2, Colorado, ~~XXX~~
F i l e s

Enclosures

April 2, 1953

Dr. James Boyd
Administrator
Defense Minerals Administration
Interior Building
Washington 25, D. C.

Dear Doctor Boyd:

We are enclosing three copies of form NSRB 146 received from Henry H. Bruderlin, 257 South Beloit Street, Los Angeles 49, California.

This is the twenty-first package of reports forwarded to Washington from Region IV.

Sincerely yours,

J. H. East, Jr.
Regional Director

Enclosure

COPY

June 6, 1951

Re: Docket DMA-943

Mr. Henry H. Bruderlin
257 South Beloit Street
Los Angeles 49, California

Dear Mr. Bruderlin:

Thank you for your letter of May 29, 1951 in which you suggest doubt as to your eligibility for an exploratory project as suggested in our letter of April 23.

Lacking the additional information requested in the final paragraph of our April 23, letter, it is impossible for us to evaluate your proposal from the stand point of what tonnage of copper and tungsten is now available for the expansion program, and whether or not the tonnage so indicated is sufficient to warrant a loan of $60,000.

A course you might follow would be to apply for the exploration assistance, indicating very definitely the areas to be explored so that you could mine the other area without a loan. The only such new ore as you might discover would be tied to the exploration contract. When the newly discovered ore plus the unused part of what you now have should indicate sufficient reserves we could take up for consideration your present proposal. In other words, if you will file an exploratory application on MF-103, and send us copies of such location maps, assay maps, geological maps if available, and any other pertinent data as may be available, showing location, tonnage and grade of ore blocks or reserves, we will then be in a position to advise you more properly just what type of assistance will most benefit the Defense Production Program, and best fits your needs.

The final date for filing new applications under the present law is May 30. However, you are protected on that score by virtue of having an application on file for a loan, and your MF-103 will be considered as a request for amendment of application.

Only those questions circled in red on the enclosed form need be answered, as you have already supplied the other information. For your help and guidance we are enclosing a copy of press release dated May 14, 1951.

Very truly yours,

J. W. Gowen

J. W. Gowen, Acting Chief
Copper Branch, DMA

JRGowen:b
Copy to J. H. East, W.C.I.
Executive Secretary, W.C.I.
Copper Branch, W.C.I.
Enclosure
Files

May 20, 1951
257 South Beloit Avenue
Los Angeles 49, California

United States Department of the Interior
Defense Minerals Administration
Washington 25, D. C.

Attention of Mr. J. B. Gowen, Acting
Chief, Copper Branch, DMA
Re: Docket No. DMA-943

Gentlemen:

This will acknowledge receipt of your letter of April 23rd. While it is true, as you state in your letter, that we do not have on our groups of claims developed or measured ore reserves and are unable to estimate with any satisfactory degree of accuracy the quantity of ore which may be available for shipment from these claims, it is also true that there is enough medium and high grade ore in sight to warrant immediate commencement of mining and shipping operations on both properties involved. It therefore does not ap ear to us that our project will comply with regulations outlined in MO-5, with specific reference to section 8A, which specified that this work shall not go beyond a reasonable delineation in sampling of the ore and shall not include work prosecuted primarily for mining or preparation for mining. It is apparent that the ore we have found on both properties as it is now exposed is of shipping quality and has already been carefully and thoroughly sampled although as previously stated with the small amount of development work which has already been done it is impossible to determine the extent of the valuable deposits.

We would ap reciate your advice as to whether or not we are mistaken in our interpretation of MO-5, section 8A and whether it would be advisable for us to discontinue the present application and reapply under the mineral exploration program.

Please advise also the latest date upon which application for Government aid in defense exploration projects may be filed according to present regulations.

Very truly yours,

Henry H. Bruderlin

COPY

June 21, 1951

Mr. Henry H. Bruderlin
[illegible] South Beloit Street
[illegible], California

Subject: DMA-9[illegible]X
Re: Exploration Loan -
Elephant Butte #1, #2, #3,
Shetrock #1.

My dear Mr. Bruderlin:

Receipt is acknowledged of your application and attachments of May 25, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number D[illegible]-9[illegible]X and referred to Mr. J. D. Bowen, Chief, Copper Branch on June 19, 1951.

In any future correspondence relating to your application, kindly refer to DMA-9[illegible].

Sincerely yours,

LANDON F. STROBEL
Landon F. Strobel
Administrative Officer

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

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

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUL 13 1951
BUREAU OF MINES
DENVER, COLORADO

July 9 51

Re: Docket No. DMA-943X

Mr. Henry J. Bruderlin
257 South Beloit Avenue
Los Angeles 49, California

Dear Mr. Bruderlin:

The Copper Branch of the Defense Minerals Administration has studied your application for aid for an exploration project and concluded that a field team examination is necessary to provide further information. You should hear shortly from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, Region IV, 224 New Customhouse, Denver 2, Colorado.

In your application you have not stated definitely the work you propose to do nor furnished a map showing where this work is to be done. This is Item 20, Form MF-103, and should have been marked on the copy sent you by Mr. Gowen with his letter of June 6, 1951. These data should be prepared and ready for the field team when they visit your property.

In order to apply for serialization it will be necessary for you to file Form MF-100 and for your convenience we are enclosing five copies of this form.

It will also be necessary for you to submit a copy of your lease and a subordination agreement.

Very truly yours,

Tom Lyon, Director
Supply Division

Enclosures
JWAlt:ex

Copy to: Executive Officer, DMA Field Team, Region IV
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 25, D. C.

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUL 13 1951
BUREAU OF MINES
DENVER, COLORADO

Re: Docket No. DMA-943X

Date? July 6 51

Mr. Henry J. Bruderlin
257 South Beloit Avenue
Los Angelas 49, California

Dear Mr. Bruderlin:

The Copper Branch of the Defense Minerals Administration has studied your application for aid for an exploration project and concluded that a field team examination is necessary to provide further information. You should hear shortly from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, Region IV, 224 New Customhouse, Denver 2, Colorado.

In your application you have not stated definitely the work you propose to do nor furnished a map showing where this work is to be done. This is Item 20, Form MF-103, and should have been marked on the copy sent you by Mr. Gowen with his letter of June 6, 1951. These data should be prepared and ready for the field team when they visit your property.

In order to apply for serialization it will be necessary for you to file Form MF-100 and for your convenience we are enclosing five copies of this form.

It will also be necessary for you to submit a copy of your lease and a subordination agreement.

Very truly yours,

Tom Lyon, Director
Supply Division

Enclosures
JWAlt:ez

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

2612

JUL 9 1951

Re: Docket No. WA-96 II

Mr. Henry J. Bruderlin
257 South Beloit Avenue
Los Angeles 49, California

Dear Mr. Bruderlin:

The Copper Branch of the Defense Minerals Administration has studied your application for aid for an exploration project and concluded that a field team examination is necessary to provide further information. You should hear shortly from Mr. J. B. West, Jr., Executive Officer, DMA Field Team, Region IV, 224 New Customhouse, Denver 2, Colorado.

In your application you have not stated definitely the work you propose to do nor furnished a map showing where this work is to be done. This is item 20, Form DV-103, and should have been marked on the copy sent you by Mr. Gowen with his letter of June 6, 1951. These data should be prepared and ready for the field team when they visit your property.

In order to apply for serialization it will be necessary for you to file Form DV-103 and for your convenience we are enclosing five copies of this form.

It will also be necessary for you to submit a copy of your lease and a subordination agreement.

Very truly yours,

Tom Lyon, Director
Supply Division

Enclosures
JWAltter

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

Defense Minerals Administration
Reference Slip

Date 4/6/51

To: 1. Mr. Lyon

2.

3.

4.

DMA 943

For Action ✓
Reply
Information
Remarks:

Sender Strobel (bl)

3
Mr. Strobel DMA 943

Forwarded to

Branch

Date

Sender

2
Mr. Strobel DMA 943

Forwarded to

Branch

Date

Sender

1
Mr. Strobel DMA 943

Forwarded to

Branch

Date

Sender

92758

LANDON F. STROBEL

Line 943

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

April 2, 1951

Rec'd 4/23/51
JBB: Ma

Dr. James Boyd
Administrator
Defense Minerals Administration
Interior Building
Washington 25, D. C.

Dear Doctor Boyd:

We are enclosing three copies of form NSRB 146 received from Henry H. Bruderlin, 257 South Beloit Street, Los Angeles 49, California.

This is the twenty-first package of reports forwarded to Washington from Region IV.

Sincerely yours,

J. H. East, Jr.
Regional Director

Enclosure

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 - 1951

LANDON F. STROBEL
Executive Secretary

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.
APR 5 3 13 PM '51

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA 943x

Commodity Copper

Total Amount $70000

Govt. Participation $35000

1. Name and Address of Applicant Henry H. Bruderlin, 257 South Beloit Ave., Los Angeles California.

2. Location of Property Whetrock and Elephant Butte groups, Pinal County, Arizona.

3. Mineral or metal Copper 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 ✓

e) Is there an alternative and favorable project? Not described
(If so, attach an explanation)

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

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

Does the lease have sufficient time to run to cover a future productive period? Do not know

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes w all of 3

a) MF-201? _____

b) MF-202 Yes ✓

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? Should be done

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Not experienced in mining but successful business man

Is a field check needed on this point? Yes

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? Not all of it.

If not, what part of it is? Probably all except that for access roads

Is this part a worthwhile exploration project? ?

d) Are the cost estimates detailed? Not sufficiently

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

e) Are the cost estimates reasonable? Do not know

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? Yes If so, attach a draft.

c) Is a field check needed? Should be checked

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

a) Is it applicable? Yes

b) Sufficient data? Yes If so, attach a draft.

c) Are rents and charges reasonable? probably

d) Is a field check needed? Yes

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

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Do not know

c) Is the schedule excessive for the work proposed? Do not know

d) Are the proposed wages and salaries reasonable? Some appear excessive

e) Is a field check needed? Yes

Exhibit B.

23-d

well, tank, pump	900.00
4 house trailers for living quarters	2800.00
Messhall, latrine, shower, etc	600.00
	4300.00

Exhibit C.

23-e

4 air hammers - used @ $200	800.00
air hoist used	400.00
Forge and anvil	50.00
Compressor - 105 cfm - trailer	1600.00
Pipe - 500 ft @ 30¢	150.00
	3000.00

23-f	Core drill rig - 5' to 1000'	5000.00

23-g	Bulldozer @ 12.50/hr - 600 hrs	7500.00
	Supply truck @ $10.00/day approx	1000.00
	Jeep @ $5/day approx	1000.00
	Generator @ $10.00/day approx	1200.00
	Compressor 210 cfm @ $15.00/day approx	2000.00
		12700.00

can allow only depreciation

Exhibit D

23-a

3 miners @ $14.00/day - 1 year	12600.00
1 Bulldozer operator @ $16/day - 36 mos	2400.00
1 Helper @ $12.00/day - 1 year	3600.00
1 Cook @ $10.00/day	3000.00
1 Geologist - Engineer (part time) @ $50/day	3000.00
	24600.00

23-b

Supervisor - Project manager @ 20.00/day	6000.00

23c - not applicable

14. Exhibit E (question 23-c)*

a) Is it applicable? no

b) Sufficient data?

c) Reasonable?

d) Field check needed? no

15. In your judgment, can the proposed work be done in the proposed time? Do not know

(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? Applicant states that he has funds to pay his share of cost of $70000 but does not state amount or percentage. Applicant should apply for access road when land if he gets into production ~~and reduce amount of funds~~ requested. If project is feasible, Field Team should cooperate with applicant in working out exploration project. Applicant also claims a chromite deposit is adjacent to one of his locations. This should be checked.

NG.

Reviewed by: J B Gowen
D R Masteen
C H Johnson

Date 7/6/51

97692

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA 943x

Commodity Copper

Total Amount $70000

Govt. Participation $35000

1. Name and Address of Applicant Henry H. Bruderlin, 257 South Rebolt Ave., Los Angeles California.

2. Location of Property Whetrock and Elephant Butte Groups, Pinal County, Arizona.

3. Mineral or metal Copper 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 ✓

e) Is there an alternative and favorable project? Not described
(If so, attach an explanation)

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

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

Does the lease have sufficient time to run to cover a future productive period? Do not know

*question numbers are those of MF-103

7. Are subordination agreements necessary? Yes

a) MF-201? _____

b) MF-202 Yes

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? Should be done

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Not experienced in mining but successful business man

Is a field check needed on this point? Yes

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? Not all of it

If not, what part of it is? Probably all except that for access roads.

Is this part a worthwhile exploration project? ?

d) Are the cost estimates detailed? Not sufficiently

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

e) Are the cost estimates reasonable? Do not know

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? Yes If so, attach a draft.

c) Is a field check needed? Should be checked

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

a) Is it applicable? Yes

b) Sufficient data? Yes If so, attach a draft.

c) Are rents and charges reasonable? probably

d) Is a field check needed? Yes

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

a) Are there sufficient data? Yes

b) Is the schedule adequate for the work proposed? Do not know

c) Is the schedule excessive for the work proposed? Do not know

d) Are the proposed wages and salaries reasonable? Some appear excessive

e) Is a field check needed? Yes

Exhibit B.

23-d

well, tank, pump	900.00
4 house trailers for living quarters	2800.00
Messhall, latrine, shower, etc	600.00
	4300.00

Exhibit C

23-e

4 air hammers - used @ $200	800.00
air hoist used	400.00
Forge and anvil	50.00
Compressor - 105cfm - trailer	1600.00
Pipe - 500 ft @ 30¢	150.00
	3000.00

23-f Core drilling to 5' to 1000' 5000.00

23-g

Bulldozer @ 12.50/hr - 600 hrs	7500.00
Supply truck @ $10.00/day approx	1000.00
Jeep @ $5/day approx	1000.00
Generator @ $10.00/day approx	1200.00
Compressor 210 cfm @ $15.00/day approx	2000.00
	12700.00

Exhibit D

23-a

3 miners @ $14.00/day - 1 year	12600.00
1 Bulldozer operator @ $16/day - 36 mos	2400.00
1 Helper @ $12.00/day - 1 year	3600.00
1 Cook @ $10.00/day	3000.00
1 Geologist - Engineer (part time) @ $50/day	3000.00
	24600.00

23-b

Supervisor - Project manager @ 20.00/day	6000.00

23c - not applicable

14. Exhibit E (question 23-c)*

a) Is it applicable? no

b) Sufficient data?

c) Reasonable?

d) Field check needed? no

15. In your judgment, can the proposed work be done in the proposed time? Do not know

(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? Applicant states that he has funds to pay his share of cost of $70 000 but does not state amount or percentage. Applicant should apply for access road when and if he gets into production ~~and reduced amount of funds requested~~. If project is feasible, Field Team should cooperate with applicant in working out exploration project. Applicant also claims a chromite deposit is adjacent to one of his locations. This should be checked.

Reviewed by: J B Gowen
Orig. was signed by MacFarlane
C S Olsen

Date 7/6/51

97692

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

JUL 11 1951

WRS
7-20-51

Mr. J. H. East, Jr.
Executive Officer, DMA Field Team
224 New Customhouse
Denver 2, Colorado

Dear Sir:

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

Docket No. DMA-943 X

Commodity Copper Branch

Applicant Mr. Henry J. Bruderlin, 257 South Beloit Avenue
Los Angeles 49, California

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

C. H. Johnson
For Bureau of Mines

Olaf R. Rose
For Geological Survey

JHE

a.e.e.

June 6, 1951

Re: Docket DMA-943

Mr. Henry H. Bruderlin
757 South Beloit Street
Los Angeles 49, California

Dear Mr. Bruderlin:

Thank you for your letter of May 20, 1951 in which you suggest doubt as to your eligibility for an exploratory project as suggested in our letter of April 23.

Looking the additional information requested in the final paragraph of our April 23, letter, it is impossible for us to evaluate your proposal from the stand point of what tonnage of copper and tungsten is now available for the expansion program, and whether or not the tonnage so indicated is sufficient to warrant a loan of $60,000.

A course you might follow would be to apply for the exploration assistance, indicating very definitely the areas to be explored so that you could mine the other area without a loan. The only such new ore as you might discover would be tied to the exploration contract. When the newly discovered ore plus the unmined part of what you now have should indicate sufficient reserves we could take up for consideration your present proposal. In other words, if you will file an exploratory application on MT-103, and send us copies of such location maps, assay maps, geological maps if available, and any other pertinent data as may be available, showing location, tonnage and grade of ore blocks or reserves, we will then be in a position to advise you more properly just what type of assistance will most benefit the Defense Production Program, and best fits your needs.

The final date for filing new applications under the present law is May 30. However, you are protected on that score by virtue of having an application on file for a loan, and your MT-103 will be considered as a request for amendment of application.

Only those questions circled in red on the enclosed form need be answered, as you have already supplied the other information. For your help and guidance we are enclosing a copy of press release dated May 14, 1951.

Very truly yours,

J. H. Gowen
J. H. Gowen, Acting Chief
Copper Branch, DMA

JHGowen:b
Copy to J. H. West, W.C.I.
Executive Secretary, W.C.I.
Copper Branch, W.C.I.
Enclosure
Files

May 20, 1951
257 South Beloit Avenue
Los Angeles 49, California

United States Department of the Interior
Defense Minerals Administration
Washington 25, D. C.

Attention of Mr. J. B. Gowen, Acting
Chief, Copper Branch, DMA
Re: Docket No. DMA-943

Gentlemen:

This will acknowledge receipt of your letter of April 23rd. While it is true, as you state in your letter, that we do not have on our groups of claims developed or measured ore reserves and are unable to estimate with any satisfactory degree of accuracy the quantity of ore which may be available for shipment from these claims, it is also true that there is enough medium and high grade ore in sight to warrant immediate commencement of mining and shipping operations on both properties involved. It therefore does not ap ear to us that our project will comply with regulations outlined in MO-5, with specific reference to section 8A, which specified that this work shall not go beyond a reasonable delineation in sampling of the ore and shall not include work prosecuted primarily for mining or preparation for mining. It is apparent that the ore we have found on both properties as it is now exposed is of shipping quality and has already been carefully and thoroughly sampled although as previously stated with the small amount of development work which has already been done it is impossible to determine the extent of the valuable deposits.

We would appreciate your advice as to whether or not we are mistaken in our interpretation of MO-5, section 8A and whether it would be advisable for us to discontinue the present application and reapply under the mineral exploration program.

Please advise also the latest date upon which application for Government aid in defense exploration projects may be filed according to present regulations.

Very truly yours,

Henry H. Bruderlin

COPY

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

April 23, 1951

Re: Docket No. DMA-943

Mr. Henry H. Bruderlin
257 South Beloit Street
Los Angeles, California

Dear Mr. Bruderlin:

Your application for a loan to provide equipment and working capital for the extraction of copper and tungsten from two separate deposits on the Elephant Butte and Whetrock groups of claims in Pinal County, Arizona, has been referred to the Copper Branch for consideration.

From a study of the application, it appears that the project is one of exploration of undeveloped deposits rather than for the expansion of production from developed or measured ore reserves.

A program of aid for mineral exploration on a matching fund basis has just been put into effect and is described in the enclosed copies of a press release dated April 11, 1951 and Form MO-5 (Regulations). We are also enclosing two sets each of Forms MF-100 (General Technical Data) and Form MF-103 (Application for Aid for an Exploration Project).

It is to be noted that the percentage of Government participation is different for copper and tungsten so you may wish to file separate a plications in case you decide to take advantage of this program. In case the two operations are inseparable it might be advisable to estimate the proportion of the funds to be utilized in the exploration of the tungsten in order to take advantage of larger government share.

If you wish your application to remain as it now is, we will require considerable more detailed information concerning the deposits. Such information should include location maps, geological and assay maps and any other pertinent data showing the exact location, tonnage and grade of the ore blocks or reserves from which will come sufficient production to liquidate the loan on the terms set forth in your application.

Very truly yours,

J. B. Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

Copy to Executive Secretary,
W.C.I.
Copper Branch, W.C.I.
J. H. East, 224 New Customhouse
Denver 2, Colorado, ~~XXX~~
F i l e s

Enclosures

BRENDON F. STROBEL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REGION IV

OFFICE OF
REGIONAL DIRECTOR

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

April 2, 1951

Mr. James Boyd
Administrator
Defense Minerals Administration
Interior Building
Washington 25, D. C.

Lyon
4-6-51

dmc
943

Dear Director Boyd:

We are enclosing three copies of form MSBB 146 received from Henry H. Bruderlin, 257 South Beloit Street, Los Angeles 49, California.

This is the twenty-first package of reports forwarded to Washington from Region IV.

Sincerely yours,

J. H. Fast, Jr.
Regional Director

Enclosure

APR 2 3 13 PM '51
BUREAU OF MINES
MAIL ROOM
WASHINGTON

DEPARTM
Defensc
R
APR C
LAND
Executive Secretary

DEPARTM OF THE INTERIOR
Defensc n
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LANDOR
Executive Se y

dmm 943

Form NSRB-146
(Nov. 1950)

UNITED STATES GOVERNMENT

APPLICATION FOR GOVERNMENT LOAN
UNDER SEC. 302 OF
DEFENSE PRODUCTION ACT OF 1950

FORM APPROVED
BUDGET BUREAU NO. 25-R002

AMOUNT OF LOAN REQUESTED

TERMS OF LOAN REQUESTED

DATE OF APPLICATION

NAME AND ADDRESS OF APPLICANT *(Street, City, Zone, State)*

Henry H. Bruderlin,
257 South Beloit Avenue,
Los Angeles 49, California

TO BE FILLED IN BY DELEGATE AGENCY

(DATE RECEIVED)

COMM.

AGRIC.

INT.

D.T.A.

FILE NO.

INSTRUCTIONS

Application should be filed with the Department of Commerce, Department of Agriculture, Department of Interior, or the Defense Transport Administration, whichever has the primary interest in the facilities, products, or processes involved. However, for convenience of the applicant, he may file with any government agency with which he has contract or other pertinent relationships and such agency will arrange for the transmittal of the application to the appropriate office.

Submit four (4) signed copies of the application. Name and address of applicant should be stamped or typed for identification of each sheet of the application and all accompanying papers. When a question is inapplicable, this should be so stated on the form. Additional sheets may be attached in answering any questions or in providing other supporting information.

1. PURPOSE OF LOAN

Give a brief general statement of the purpose of the loan requested, including in the table below estimated amounts for such major purposes as land acquisition, building construction, purchase of plant, purchase of equipment, working capital, repayment of debt, etc. Statement should make clear whether funds will be used for expansion of capacity, development of technological processes, or production of essential materials.

General Statement

Requested funds are to be used for providing facilities for extracting essential minerals, namely copper and tungsten, from two separate deposits which are as yet undeveloped. An undeveloped deposit of chromite is also immediately adjacent to the one location.

NATURE OF EXPENDITURE	AMOUNT
Purchase of Equipment	30,000.00
Working Capital	30,000.00
Total amount applied for	60,000.00

2. PROPOSED METHOD FOR REPAYMENT OF LOAN

State sources of funds, and proposed schedule of repayment

Loan repayment is proposed from mill returns at a rate of 15% of such net returns. Small concentrating mill, and actively mine the heretofore undeveloped deposit of copper and tungsten on three claims known as Elephant Butte #1, #2, and #3, Pinal County, Arizona, and to actively mine copper deposits on claims known as Whetrock #1 through #18 inclusively. Both

3. NATURE OF BUSINESS AND DESCRIPTION OF PROJECT

Describe fully the business activity for which the funds are intended. In so doing, identify the materials and services to be produced, describe the facilities and processes involved, and explain in detail any research activity and the nature of the results expected. Attach blueprints and specifications, if available, and furnish other technical details to the extent that they are not covered elsewhere in the application.

It is proposed to purchase the necessary equipment to build a road, furnish a small concentrating mill, and actively mine the heretofore undeveloped deposit of copper and tungsten on three claims known as Elephant Butte #1, #2, and #3, Pinal County, Arizona, and to actively mine copper deposits on claims known as Whetrock #1 through #18 inclusively. Both these properties give evidence of being commercially workable.

4. Relationship to National Defense. Explain carefully how the expenditure of the funds will contribute to national defense. As a part of such explanation, the following questions should be answered to the extent possible:

(a) What evidence exists as to current shortages of the materials or services to be produced?

Bureau of Mines Bulletin listing critical minerals.

(b) What evidence exists as to future shortages of the materials or services to be produced?

None.

(c) Are such shortages, if any, regional or national in scope?

National.

(d) In what respects will the use of the funds aid directly in expediting the carrying out of government defense contracts? (A listing of defense contracts, if any, held by applicant is required in item 8 below.)

No known contracts involved.

4. Relationship to National Defense - Continued

(e) In what respects will the use of the funds aid indirectly in expediting the carrying out of government defense contracts or related operations?

The funds will aid in making available critical minerals.

(f) Are there available alternative methods or facilities to accomplish the same purpose as that for which these funds are intended? (For instance, unused capacity, possibility of multiple shift operations, idle facilities, readily convertible equipment, sub-contracting?) If answer is yes, explain why alternatives are not used.

No.

5. Maximum Designed Production

List separately materials or services identified in item 3 (a)	Unit of measure (b)	Maximum designed production with existing facilities (c)	Average percentage of maximum designed production used in quarter preceding filing of application (d)	Maximum designed production including use of funds applied for (e)
Copper	5% ore	none	none	15 tons/day
Tungsten	7% ore	none	none	2 tons/day

6. Employment

(a) Number currently employed at location(s) where funds are to be used. (Use pay period ending nearest 15th of month preceding filing of application.)

one

(b) Maximum feasible employment with existing facilities.
(1) Single shift operation.

one

(2) Multiple shift operation (specify how many shifts).

(c) Estimated additional employees required by the use of the funds applied for.

four

7. Timing

(a) On what date(s) are the requested funds needed?

As soon as practicable.

(b) On what expected date(s) will applicant begin to use such funds and obtain output from the use of such funds? Wherever possible, give planned schedule of output.

Funds will be put to use immediately. Ore shipments will begin approximately two weeks after funds are available.

8. Output from the use of funds applied for will be for the following purposes:

a. For the following principal prime defense contracts (if any) with the United States Government:

Date of contract (a)	Contracting Government Agency (b)	Program symbol (2 digits) or other contract identification (c)	Materials or services (d)	Delivery date(s) (e)	Amount *(Dollars)* (f)

b. For the following subcontracts (if any) with U.S. Government prime defense contractors:

Date of contract (a)	Materials or services (b)	Supplied to *(Give name and address of firm)* (c)	Delivery date(s) (d)	(e) Government agency receiving end product or services (f) Program symbol (2 digits) or other contract identification	Amount *(Dollars)* (g)
				(e) (f)	
				(e) (f)	
				(e) (f)	

c. For the following classes or types of customers not covered by contracts listed above (list materials or services to be provided and, wherever possible, also indicate final product use):

Copper ore will be sold to Magma Copper Co., Superior Arizona, or to Miami Copper Co., Miami, Arizona.

Tungsten will be concentrated in a small mill to be purchased with requested funds, and the concentrate shipped to New York Markets.

9. Feasibility

(a) Estimate anticipated requirements for manpower, equipment, raw materials, energy, fuel, transportation facilities, water supply, housing, community facilities, and other factors of production, for (1) preparation of the facilities and (2) actual operation thereof. (The estimates may be limited to those factors of substantial significance to the preparation and operation of the facilities for which the funds are intended.)

With the quantity of ore apparently immediately available, the following requirements are indicated:

Six men will be required. (Two locations)
Temporary housing (tents) must be provided.
Water is available at proposed campsites but additional wells should be dug.
One 2½ ton truck for hauling ore, equipment and supplies.
Two air compressors, four jack hammers, hose, drills, etc.
Caterpiller D-6 with angle dozer and dual power take-off.
Crusher, ball mill, and concentration table.
Powder, fuses, caps, two tons.

(b) Discuss and evaluate the availability of each of the above factors in the area(s) where the funds will be used.

All items identified are available in this area.

10. The following applications for necessity certificates for tax amortization (Under Section 124A of the Internal Revenue Code) for facilities at the location(s) covered by this application have been filed since January 1, 1950.

Date of application (a)	Government file number (b)	(Estimated) Total of facilities in dollars on each application (c)	(d) If final action has been taken, give date of	
			Issuance	Denial
N O N E				

11. **Recent Efforts to Obtain Credit**

(a) Banks—List names and addresses of all Banks of Deposit of Applicant within the last 5 years: *(Mark with an asterisk (*) bank or banks in which deposits are now kept)*

Bank of America, Santa Monica Branch.
* Bank of America, Westwood Village Branch.
* Bank of America, Wilshire-Euclid Branch.

11. **Recent Efforts to Obtain Credit** - Continued

(b) State efforts to obtain credit, within 60 days preceding date of application, from banks, the Reconstruction Finance Corporation, or other sources, results, and reasons if refused. (NOTE.— Section 302 of the Defense Production Act of 1950 states that a loan may be extended "only to the extent that it is not otherwise available on reasonable terms." Accordingly, Applicant should show that it has applied to each bank named in (a) above, or explain the reason for not doing so. The fact that a loan of the particular maturity and terms applied for is refused by a bank or banks is not sufficient to comply with the statute, if credit on reasonable terms is available. State whether a bank will participate in the loan, and if so, state name of bank and amount of participation. Full particulars must be given.) List the names and addresses of banks and other lending institutions to which applications for credit have been made, and in each case state date of application, amount of credit available, if any, maximum term for which credit is available, what consideration, if any, was given to possible guarantee of loan under Federal Reserve Regulation V, and reason for refusal or reason loan was not obtained. Indicate whether or not application was definitely refused for further credit on any basis.

I have requested and been refused a loan from all three of the banks identified above, for mining purposes, although my personal credit is good at each.

12. What other forms of government financial assistance, if any, have been received or requested by the applicant in connection with the purposes of the loan herein applied for? If applicant plans to request such assistance in the future, give details.

None.

13. **HISTORY, MANAGEMENT, LEASED AGREEMENTS, INSURANCE, ETC.**

These subjects should be fully covered in statements attached hereto. Outline past management experience or other basis for showing competence of the Applicant to perform in accordance with expressed purpose of the application. If plant was purchased, state price, form and terms of payment, date of purchase, from whom and under what circumstances purchase was made. If it is proposed to construct or acquire new facilities (including equipment), state estimated cost and basis of such estimate, form and terms of payment, and from whom purchases of facilities will be made. State whether Applicant, or the business or plant, has been in receivership, bankruptcy, Chapter X, XI or XII, in hands of creditors, committee, or whether Applicant has effected a compromise with creditors, and if so, discuss fully. Indicate whether business is conducted in leased premises and whether any facilities are leased from others and describe terms of any lease agreements. List type and amount of insurance carried on plant property. Describe briefly any pending or threatened litigation affecting Applicant.

14. NAMES AND ADDRESSES OF OFFICERS, DIRECTORS, OR PARTNERS, AND IN ADDITION THERETO, THE FIVE LARGEST STOCKHOLDERS IF 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 Applicant (d)	Number of shares held in applicant		Life insurance carried for benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net cash surrender value after loans (h)
NONE							
	Total		x x x x x			x x x	x x x

15. CAPITAL STOCK ISSUES

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	$ NONE	$	$		

16. PURCHASE AND SALES RELATIONS WITH OTHERS

Does Applicant buy from, sell to, or use the services of, any concern or partnership in which an officer, director, large stockholder, or partner of the Applicant has a substantial interest? If not, so state. If so, give names of such officers, directors, stockholders, and partners, and names of such concerns or partnerships.

No.

Does any officer, director, large stockholder, or partner of Applicant receive any commission, bonus, or other payment in cash or services from any concern or partnership with which Applicant has business dealings? If not, so state. If so, give names of such officers, directors, stockholders, or partners and amounts of such commissions, bonuses, or payments.

No.

17. COMPENSATION SCHEDULE

INSTRUCTIONS: The schedule shall show the amount of compensation being paid to all employees of Applicant receiving compensation at a rate in excess of $10,000 per annum, including employees paid on a part-time basis where the rate of compensation exceeds $10,000 per annum computed on a full-time basis. If Applicant is a corporation, the schedule should show the compensation, regardless of amount, being paid to all officers, directors, and such stockholders as have an interest in Applicant's business of 10 percent or more. If Applicant is a partnership, the schedule should show the compensation being paid to, or being withdrawn by, all partners for their personal use. If Applicant is an individual, the schedule should show the amount being withdrawn by Applicant for his personal use. In each case the listed person's connection with the business should be indicated (i.e., whether an officer, director, stockholder, partner, owner, etc.). The calendar basis for the compensation should likewise be shown. Attorneys or firms of attorneys on a regular retainer or salary basis should be included. The schedule should include a separate notation indicating the source and amount of any compensation being paid by a company or firm directly or indirectly controlling, affiliated with, or controlled by, Applicant. If the space provided herein is insufficient, the schedule should be continued on the reverse side or appropriate continuation sheets should be attached.

17. **COMPENSATION SCHEDULE** - Continued

The term "compensation", as used herein and such schedule, shall include all salaries, fees, bonuses, commissions, retainers, regular drawing accounts, and other payments, direct or indirect, in money or otherwise, for personal services.

Name (a)	Position (b)	Compensation paid during previous fiscal year (c)	Present compensation (d)
None in excess of $10,000./yr.			

18. **COLLATERAL**

(a) The applicant offers the following described collateral as security for repayment of the loan applied for.

Description (a)	Date acquired (b)	Cost (c)	Book Value (Net) (d)	Appraised* value (e)
Property now held:				
Lease on Whetrock Claims	Nov. 1950	$8000. plus 10% net mill returns.	-	-
Lease on Elephant Butte Claims.	Feb. 1951	10% net mill returns.	-	-
To be acquired:				

* This column need be filled in only if a recent appraisal has been made. If so, identify appraiser below.

Name (a)	Title (b)	Date (c)

(b) Describe existing liens, if any, on property listed above.

none.

Form NSRB-146 (Nov. 1950) | Name and [redacted]ess Henry H. Bruderlin, 257 S. Beloit Ave., L[redacted]. 49, Calif. |

EXHIBIT A - CURRENT FINANCIAL STATEMENT

As of _____

(Date not more than 30 days prior to date of application)

ASSETS

CURRENT ASSETS			
1. Cash			$ 4000.00
2. Notes receivable		$ 1500.00	
Less reserve for doubtful notes			
3. Accounts receivable:			
Current	$		
Past due not over 4 months			
Past due over 4 months		$	
Less reserve for doubtful accounts			1500.00
4. Inventories:			
Raw materials	$		
Work in process			
Finished goods		$	
Less reserve for inventory losses			
5. Other current assets (describe)			
TOTAL CURRENT ASSETS			$ 5500.00
FIXED AND OTHER ASSETS			
6. Plant used in business:			
Land	$		
Buildings			
7. Machinery			
8. Equipment, furniture, and fixtures		$	
Less reserve for depreciation			
9. Investments—stocks and bonds			
10. Investments in affiliated companies			
11. Receivables due from affiliated companies			
12. Real estate not used in business			81,400.00
13. Due from officers, directors, employees, stockholders			
14. Deferred charges			
15. Other assets			6,000.00
TOTAL ASSETS			$ 92,900.00

LIABILITIES

CURRENT LIABILITIES			
16. Notes payable (see schedule 1, page 10):			
Banks		$ 3400.00	
Trade creditors			
Officers, stockholders, relatives			
Insurance companies			$ 3,400.00
17. Accounts payable			
18. Other current liabilities:			
Delinquent taxes	Real estate	$	
	Federal		
Wages and salaries			
Due officers			
Accrued interest, rent, taxes, wages, etc.			
			3,400.00
TOTAL CURRENT LIABILITIES			$
FIXED AND OTHER LIABILITIES			
19. Machinery liens			
20. Mortgage debts (see schedule 2, page 10)			29,000.00
21. Bonds or debentures (see schedule 2, page 10)			
22. Other liabilities			
NET WORTH			
23. Common stock (if Applicant is incorporated)		$	
24. Preferred stock (if Applicant is incorporated)			
25. Surplus (if Applicant is incorporated)			
26. Capital and Surplus Account (if Applicant is partnership or individual)			
TOTAL LIABILITIES			$ 32,400.00
27. Contingent liabilities (explain)			$

NOTE.— Submit copy of last available audit or of financial statement at close of last fiscal period (if such date differs from date of above statement).

SCHEDULE I - Notes Payable (in detail)

Name and address	Maturity	Amount	State amount and character of collateral	Name of guarantor(s) and/or endorser(s)
Bank of America Wilshire-Euclid Branch	June 1953	$2500.	FHA Title I.	None
Bank of America Wilshire-Euclid Branch	August 1952	1000.	Automobile	None

SCHEDULE 2 - Mortgage Debt (real estate and/or chattels) or Bond Issue

Names and addresses of holders	Date of maturity	Interest rate	Unpaid principal amount	Date to which interest is paid
Union Federal Sav.& Loan 441 S. Spring St.,L.A.	15 yr loan	5%	$ 11,000.	April 1, 1951
Equitable Life Assurance Society, L. A.	20 yr loan	4%	10,000.	" " "
Wilson A. Dobston,Mesa, Arizona	5 yr loan	6%	3,400.	" " "
Home Savings & Loan, L.A.	June, 1952	6%	4,600.	" " "
TOTAL	XXXXXXX	XXXXXX	$ 29,000.	XXXXXXXXXXXXXXXX

If mortgage secures a bond issue, state whether bonds are principally held by management and/or stockholders or by others, and attach copy of mortgage indenture.

EXHIBIT B - CONDENSED COMPARATIVE STATEMENT OF INCOME AND EXPENSES

For years ended _____
(Insert date of end of fiscal year)
(000.00 omitted)

	(Figures for 3 preceding years) 19	19	19	Current year as of date of Exhibit A
1. Net sales				
2. Cost of goods sold				
3. Gross profit on sales (line 1 minus line 2)				
4. Other income (itemize)				
5. Total (line 3 plus line 4)				
6. Salaries (officers or partners)*				
7. Selling and all other expenses				
8. Total of lines 6 and 7				
9. Profit or loss before depreciation and Federal taxes (line 5 minus line 8)				
10. Depreciation				
11. Federal Income and Excess Profits Taxes				
12. Net profit or loss (line 9 minus lines 10 and 11)				
ANALYSIS OF SURPLUS				
13. Total surplus at beginning of period				
14. Net profit or loss for period				
15. Line 13 plus line 14 if profit; line 13 minus line 14 if loss				
Add:				
16. Surplus paid in during period				
17. Surplus resulting from revaluation of assets				
18. Other additions to surplus (itemize)				
19. Total of lines 15 to 18, inclusive				
Deduct:				
20. Dividends				
21. Other charges to surplus (itemize)				
22. Total of lines 20 and 21				
23. Surplus at end of period (line 19 less line 22), MUST AGREE WITH SURPLUS AS SHOWN IN BALANCE SHEETS				

* To include all payments of any kind (commissions, bonuses, withdrawals) to officers or partners.

NOTE—If years included in the above tables are not adequately representative of applicant's financial experience, information may be submitted for additional years.

EXHIBIT C - CONDENSED COMPARATIVE STATEMENT OF CONDITION

For years ended _____
(Insert date of end of fiscal year)

(000.00 omitted. Use figures to nearest thousand. For instance, the figure $3,489.36 should be written as 3; the figure $3,689.36 should be written as 4)

ASSETS	(Figures for 3 preceding years) 19	19	19	Current year as of date of Exhibit A
CURRENT ASSETS:				
1. Cash				
2. Receivables (after deducting reserves)				
3. Inventories				
4. Other current assets:				
TOTAL CURRENT ASSETS				
FIXED AND OTHER ASSETS:				
5. Plant accounts (before depreciation):				
Machinery, equipment, etc.				
Delivery equipment				
Real estate and buildings used in business				
6. Other assets (as investments, real estate not used in business, etc.):				
TOTAL ASSETS				
LIABILITIES				
CURRENT LIABILITIES:				
8. Notes payable				
9. Accounts payable				
10. Accrued liabilities				
11. Other current liabilities:				
TOTAL CURRENT LIABILITIES				
FIXED AND OTHER LIABILITIES:				
12. Mortgage debts				
13. Debentures				
14. Other fixed liabilities:				
RESERVES:				
15. Reserve for depreciation				
16. Other reserves:				
NET WORTH:				
17. Common stock (issued) (if Applicant is incorporated)				
18. Preferred stock (issued) (if Applicant is incorporated)				
19. Surplus (if Applicant is incorporated)				
20. Capital and surplus account (if Applicant is partnership or individual)				
TOTAL LIABILITIES				

NOTE— If years included in the above table are not adequately representative of applicant's financial experience, condition statements may be submitted for additional years.

EXHIBIT D

AGREEMENT AS TO COMPENSATION FOR SERVICES RENDERED OR TO BE RENDERED TO APPLICANT IN CONNECTION WITH APPLICATION AND/OR LOAN

To induce the United States Government and its agencies to make a loan under Sec. 302 of the Defense Production Act of 1950 to _____ (hereinafter called "Applicant") and in consideration of the making of a loan to Applicant, the undersigned, having been retained by Applicant for the purpose of rendering professional or other services in connection with its application for a loan or loans, hereby represents, warrants, and agrees that the undersigned has not been paid, has not made any agreement with the Applicant to be paid, and has not procured any person to pay or agree to pay, and will not, directly or indirectly, charge or receive any bonus, fee, or commission in any form in connection with the said application for, or the obtaining of, the loan applied for by the Applicant, or any compensation in any form for services rendered or to be rendered in connection therewith except for the services and in the amounts stated below:

Name	Description of services	Amount paid	Amount to be paid
No compensation to anyone in connection with procurement of loan.		$	$

To induce the making of the loan and the employment of the undersigned by Applicant, the undersigned hereby further warrants, covenants and agrees, upon the consideration herein specified, and in consideration of the employment of the undersigned by Applicant, as above recited, that if the amount of compensation stated above for any such services shall not be deemed reasonable by any agency of the United States Government, the undersigned will reduce the charge for such services to such amount as shall be deemed reasonable by such agency, and will not, directly or indirectly, charge or collect from the Applicant or any other person, any sum in excess of the amount so deemed reasonable; and that if the undersigned has heretofore collected, from the Applicant or any other person, as compensation for any such services, any amount deemed by such agency to be unreasonable, the undersigned will refund to Applicant or such other person such sums as are in excess of the amount deemed reasonable. The undersigned further warrants, covenants and agrees that if the amount of the compensation for any such services is not determinable at the date of application, or is not stated above, it will not collect or charge any sum as compensation for such services without the prior written approval of the Government agency with which this application is officially filed as to the nature of the services for which such compensation is to be paid and the amount of such compensation.

Witness: _____ _____

Address of witness: _____ _____

Dated _____, 19____ _____

NOTE—Corporations must execute foregoing certificate in corporate name, by duly authorized officer, and seal must be affixed and duly attested; partnerships must execute in firm name, together with signature of a general partner. If no compensation is paid or to be paid for services rendered in connection with application or loan, this should be so stated and the Applicant should sign this Exhibit.

CERTIFICATION

The Applicant hereby certifies that the statements made in the foregoing application, and all exhibits and documents submitted in connection therewith, are true and correct statements to the best of Applicant's information and belief and are submitted as a basis for credit. The Applicant agrees to reimburse any agency of the United States Government upon demand for any expenses incurred in connection with or arising out of this application or any loan made pursuant hereto.

Dated 3-27, 1957

Witness: (For individual applicants)

Helen S. Bruderlin — Henry H. Bruderlin (Signature)

Witness: (For partnership applicants)

_____ _____ (Full name of firm)

By _____, a general partner. (Signature)

(For corporate applicants)

(CORPORATE SEAL)

_____ (Full corporate name of Applicant)

Attest: By _____ (Signature) (Title)

_____ (Signature), _____ (Title)

The United States Criminal Code, 18 U.S.C., Sec. 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: 1950 O - 916171

dmw 943

Form NSRB-146
(Nov. 1950)

UNITED STATES GOVERNMENT

APPLICATION FOR GOVERNMENT LOAN
UNDER SEC. 302 OF
DEFENSE PRODUCTION ACT OF 1950

FORM APPROVED
BUDGET BUREAU NO. 25-R002

AMOUNT OF LOAN REQUESTED

TERMS OF LOAN REQUESTED

DATE OF APPLICATION

NAME AND ADDRESS OF APPLICANT *(Street, City, Zone, State)*

Henry H. Bruderlin
257 South Beloit Street,
Los Angeles 49, California

TO BE FILLED IN BY DELEGATE AGENCY

(DATE RECEIVED)

COMM.

AGRIC.

INT.

D.T.A.

FILE NO.

INSTRUCTIONS

Application should be filed with the Department of Commerce, Department of Agriculture, Department of Interior, or the Defense Transport Administration, whichever has the primary interest in the facilities, products, or processes involved. However, for convenience of the applicant, he may file with any government agency with which he has contract or other pertinent relationships and such agency will arrange for the transmittal of the application to the appropriate office.

Submit four (4) signed copies of the application. Name and address of applicant should be stamped or typed for identification of each sheet of the application and all accompanying papers. When a question is inapplicable, this should be so stated on the form. Additional sheets may be attached in answering any questions or in providing other supporting information.

1. PURPOSE OF LOAN

Give a brief general statement of the purpose of the loan requested, including in the table below estimated amounts for such major purposes as land acquisition, building construction, purchase of plant, purchase of equipment, working capital, repayment of debt, etc. Statement should make clear whether funds will be used for expansion of capacity, development of technological processes, or production of essential materials.

General Statement

Requested funds are to be used for providing facilities for extracting essential minerals, namely copper and tungsten, from two separate deposits which are as yet undeveloped. An undeveloped deposit of chromite is also immediately adjacent to the one location.

NATURE OF EXPENDITURE	AMOUNT
Purchase of Equipment	30000.00
Working Capital	30,000.00
Total amount applied for	60,000.00

2. PROPOSED METHOD FOR REPAYMENT OF LOAN

State sources of funds, and proposed schedule of repayment

Loan repayment is proposed from mill returns at a rate of 5% of such net returns.

3. NATURE OF BUSINESS AND DESCRIPTION OF PROJECT

Describe fully the business activity for which the funds are intended. In so doing, identify the materials and services to be produced, describe the facilities and processes involved, and explain in detail any research activity and the nature of the results expected. Attach blueprints and specifications, if available, and furnish other technical details to the extent that they are not covered elsewhere in the application.

It is proposed to purchase the necessary equipment to build a road, furnish a small concentrating mill, and actively mine the heretofore undeveloped deposit of copper and tungsten on three claims known as Elephant Butte #1, #2, and #3, Pinal County, Arizona, and to actively mine copper deposits on claims known as Whetrock #1 through #18 inclusively. Both these properties give evidence of being commercially workable.

4. **Relationship to National Defense.** Explain carefully how the expenditure of the funds will contribute to national defense. As a part of such explanation, the following questions should be answered to the extent possible:

(a) What evidence exists as to current shortages of the materials or services to be produced?

Bureau of Mines Bulletin listing critical minerals.

(b) What evidence exists as to future shortages of the materials or services to be produced?

None

(c) Are such shortages, if any, regional or national in scope?

National

(d) In what respects will the use of the funds aid directly in expediting the carrying out of government defense contracts? (A listing of defense contracts, if any, held by applicant is required in item 8 below.)

No known contracts involved.

4. Relationship to National Defense - Continued

(e) In what respects will the use of the funds aid indirectly in expediting the carrying out of government defense contracts or related operations?

The funds will aid in making available critical minerals.

(f) Are there available alternative methods or facilities to accomplish the same purpose as that for which these funds are intended? (For instance, unused capacity, possibility of multiple shift operations, idle facilities, readily convertible equipment, sub-contracting?) If answer is yes, explain why alternatives are not used.

No.

5. Maximum Designed Production

List separately materials or services identified in item 3 (a)	Unit of measure (b)	Maximum designed production with existing facilities (c)	Average percentage of maximum designed production used in quarter preceding filing of application (d)	Maximum designed production including use of funds applied for (e)
Copper	5% ore	none	none	15 tons/day
Tungsten	7% ore	none	none	2 tons/day

6. Employment

(a) Number currently employed at location(s) where funds are to be used. (Use pay period ending nearest 15th of month preceding filing of application.)

one

(b) Maximum feasible employment with existing facilities.
(1) Single shift operation.

one

(2) Multiple shift operation (specify how many shifts).

(c) Estimated additional employees required by the use of the funds applied for.

four

7. Timing

(a) On what date(s) are the requested funds needed?

As soon as practicable.

(b) On what expected date(s) will applicant begin to use such funds and obtain output from the use of such funds? Wherever possible, give planned schedule of output.

Funds will be put to use immediately. Ore shipments will begin approximately two weeks after funds are available.

8. Output from the use of funds applied for will be for the following purposes:
a. For the following principal prime defense contracts (if any) with the United States Government:

Date of contract (a)	Contracting Government Agency (b)	Program symbol (2 digits) or other contract identification (c)	Materials or services (d)	Delivery date(s) (e)	Amount *(Dollars)* (f)

b. For the following subcontracts (if any) with U.S. Government prime defense contractors:

Date of contract (a)	Materials or services (b)	Supplied to *(Give name and address of firm)* (c)	Delivery date(s) (d)	(e) Government agency receiving end product or services (f) Program symbol (2 digits) or other contract identification	Amount *(Dollars)* (g)
				(e) (f)	
				(e) (f)	
				(e) (f)	

c. For the following classes or types of customers not covered by contracts listed above (list materials or services to be provided and, wherever possible, also indicate final product use):

Copper ore will be sold to Magma Copper Co., Superior, Arizona or to Miami Copper Co., Miami, Arizona.

Tungsten will be concentrated in a small mill to be purchased with requested funds, and the concentrate shipped to New York Markets.

9. **Feasibility**

(a) Estimate anticipated requirements for manpower, equipment, raw materials, energy, fuel, transportation facilities, water supply, housing, community facilities, and other factors of production, for (1) preparation of the facilities and (2) actual operation thereof. (The estimates may be limited to those factors of substantial significance to the preparation and operation of the facilities for which the funds are intended.)

With the quantity of ore apparently immediately available, the following requirements are indicated:

Six men will be required. (Two locations)
Temporary housing (tents) must be provided.
Water is available at proposed campsites but additional wells should be dug.
One 2½ ton truck for hauling ore, equipment and supplies.
Two air compressors, four jack hammers, hose, drills, etc.
Caterpiller D-6 with angle dozer and dual power take-off.
Crusher, ball mill, and concentration table.
Powder, fuses, caps, two tons.

(b) Discuss and evaluate the availability of each of the above factors in the area(s) where the funds will be used.

All items identified are available in this area.

10. The following applications for necessity certificates for tax amortization (Under Section 124A of the Internal Revenue Code) for facilities at the location(s) covered by this application have been filed since January 1, 1950.

Date of application (a)	Government file number (b)	(Estimated) Total of facilities in dollars on each application (c)	(d) If final action has been taken, give date of	
			Issuance	Denial
N	O N E			

11. **Recent Efforts to Obtain Credit**

(a) Banks—List names and addresses of all Banks of Deposit of Applicant within the last 5 years: *(Mark with an asterisk (*) bank or banks in which deposits are now kept)*

Bank of America, Santa Monica Branch.
* Bank of America, Westwood Village Branch.
* Bank of America, Wilshire-Euclid Branch.

11. **Recent Efforts to Obtain Credit** - Continued

(b) State efforts to obtain credit, within 60 days preceding date of application, from banks, the Reconstruction Finance Corporation, or other sources, results, and reasons if refused. (NOTE.- Section 302 of the Defense Production Act of 1950 states that a loan may be extended "only to the extent that it is not otherwise available on reasonable terms." Accordingly, Applicant should show that it has applied to each bank named in (a) above, or explain the reason for not doing so. The fact that a loan of the particular maturity and terms applied for is refused by a bank or banks is not sufficient to comply with the statute, if credit on reasonable terms is available. State whether a bank will participate in the loan, and if so, state name of bank and amount of participation. Full particulars must be given.) List the names and addresses of banks and other lending institutions to which applications for credit have been made, and in each case state date of application, amount of credit available, if any, maximum term for which credit is available, what consideration, if any, was given to possible guarantee of loan under Federal Reserve Regulation V, and reason for refusal or reason loan was not obtained. Indicate whether or not application was definitely refused for further credit on any basis.

I have requested and been refused a loan from all three of the banks identified above, for mining purposes, although my personal credit is good at each.

12. What other forms of government financial assistance, if any, have been received or requested by the applicant in connection with the purposes of the loan herein applied for? If applicant plans to request such assistance in the future, give details.

None.

13. **HISTORY, MANAGEMENT, LEASED AGREEMENTS, INSURANCE, ETC.**

These subjects should be fully covered in statements attached hereto. Outline past management experience or other basis for showing competence of the Applicant to perform in accordance with expressed purpose of the application. If plant was purchased, state price, form and terms of payment, date of purchase, from whom and under what circumstances purchase was made. If it is proposed to construct or acquire new facilities (including equipment), state estimated cost and basis of such estimate, form and terms of payment, and from whom purchases of facilities will be made. State whether Applicant, or the business or plant, has been in receivership, bankruptcy, Chapter X, XI or XII, in hands of creditors, committee, or whether Applicant has effected a compromise with creditors, and if so, discuss fully. Indicate whether business is conducted in leased premises and whether any facilities are leased from others and describe terms of any lease agreements. List type and amount of insurance carried on plant property. Describe briefly any pending or threatened litigation affecting Applicant.

14. NAMES AND ADDRESSES OF OFFICERS, DIRECTORS, OR PARTNERS, AND IN ADDITION THERETO, THE FIVE LARGEST STOCKHOLDERS IF 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 Applicant (d)	Number of shares held in applicant: Common (e)	Number of shares held in applicant: 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)
NONE							
	Total		X X X X X			X X X	X X X

15. CAPITAL STOCK ISSUES

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	$ NONE	$	$		

16. PURCHASE AND SALES RELATIONS WITH OTHERS

Does Applicant buy from, sell to, or use the services of, any concern or partnership in which an officer, director, large stockholder, or partner of the Applicant has a substantial interest? If not, so state. If so, give names of such officers, directors, stockholders, and partners, and names of such concerns or partnerships.

No.

Does any officer, director, large stockholder, or partner of Applicant receive any commission, bonus, or other payment in cash or services from any concern or partnership with which Applicant has business dealings? If not, so state. If so, give names of such officers, directors, stockholders, or partners and amounts of such commissions, bonuses, or payments.

No.

17. COMPENSATION SCHEDULE

INSTRUCTIONS: The schedule shall show the amount of compensation being paid to all employees of Applicant receiving compensation at a rate in excess of $10,000 per annum, including employees paid on a part-time basis where the rate of compensation exceeds $10,000 per annum computed on a full-time basis. If Applicant is a corporation, the schedule should show the compensation, regardless of amount, being paid to all officers, directors, and such stockholders as have an interest in Applicant's business of 10 percent or more. If Applicant is a partnership, the schedule should show the compensation being paid to, or being withdrawn by, all partners for their personal use. If Applicant is an individual, the schedule should show the amount being withdrawn by Applicant for his personal use. In each case the listed person's connection with the business should be indicated (i.e., whether an officer, director, stockholder, partner, owner, etc.). The calendar basis for the compensation should likewise be shown. Attorneys or firms of attorneys on a regular retainer or salary basis should be included. The schedule should include a separate notation indicating the source and amount of any compensation being paid by a company or firm directly or indirectly controlling, affiliated with, or controlled by, Applicant. If the space provided herein is insufficient, the schedule should be continued on the reverse side or appropriate continuation sheets should be attached.

17. **COMPENSATION SCHEDULE** - Continued

The term "compensation", as used herein and such schedule, shall include all salaries, fees, bonuses, commissions, retainers, regular drawing accounts, and other payments, direct or indirect, in money or otherwise, for personal services.

Name (a)	Position (b)	Compensation paid during previous fiscal year (c)	Present compensation (d)
None in excess of $10,000./yr.			

18. **COLLATERAL**

(a) The applicant offers the following described collateral as security for repayment of the loan applied for.

Description (a)	Date acquired (b)	Cost (c)	Book Value (Net) (d)	Appraised* value (e)
Property now held:				
Lease on Whetrock Claims	Nov. 1950	$8000. plus 10% net mill returns.	-	-
Lease on Elephant Butte Claims	Feb. 1951	10% net mill returns.	-	-
To be acquired:				

* This column need be filled in only if a recent appraisal has been made. If so, identify appraiser below.

Name (a)	Title (b)	Date (c)

(b) Describe existing liens, if any, on property listed above.

none.

EXHIBIT A - CURRENT FINANCIAL STATEMENT

As of _____

(Date not more than 30 days prior to date of application)

ASSETS

CURRENT ASSETS	1. Cash		$ 4,000.00
	2. Notes receivable	$ 1,500.00	
	Less reserve for doubtful notes		
	3. Accounts receivable:		
	Current	$	
	Past due not over 4 months		
	Past due over 4 months	$	
	Less reserve for doubtful accounts		1,500.00
	4. Inventories:		
	Raw materials	$	
	Work in process		
	Finished goods	$	
	Less reserve for inventory losses		
	5. Other current assets (describe)		
	TOTAL CURRENT ASSETS		$ 5,500.00
FIXED AND OTHER ASSETS	6. Plant used in business:		
	Land	$	
	Buildings		
	7. Machinery		
	8. Equipment, furniture, and fixtures	$	
	Less reserve for depreciation		
	9. Investments—stocks and bonds		
	10. Investments in affiliated companies		
	11. Receivables due from affiliated companies		
	12. Real estate not used in business		81,400.00
	13. Due from officers, directors, employees, stockholders		
	14. Deferred charges		
	15. Other assets		6,000.00
	TOTAL ASSETS		$ 92,900.00

LIABILITIES

CURRENT LIABILITIES	16. Notes payable (see schedule 1, page 10):		
	Banks	$ 3,400.00	
	Trade creditors		
	Officers, stockholders, relatives		
	Insurance companies		$ 3,400.00
	17. Accounts payable		
	18. Other current liabilities:		
	Delinquent taxes — Real estate	$	
	Delinquent taxes — Federal		
	Wages and salaries		
	Due officers		
	Accrued interest, rent, taxes, wages, etc.		3,400.00
	TOTAL CURRENT LIABILITIES		$
FIXED AND OTHER LIABILITIES	19. Machinery liens		
	20. Mortgage debts (see schedule 2, page 10)		29,000.00
	21. Bonds or debentures (see schedule 2, page 10)		
	22. Other liabilities		
NET WORTH	23. Common stock (if Applicant is incorporated)	$	
	24. Preferred stock (if Applicant is incorporated)		
	25. Surplus (if Applicant is incorporated)		
	26. Capital and Surplus Account (if Applicant is partnership or individual)		
	TOTAL LIABILITIES		$ 32,400.00
	27. Contingent liabilities (explain)		$

NOTE.— Submit copy of last available audit or of financial statement at close of last fiscal period (if such date differs from date of above statement).

SCHEDULE I - Notes Payable (in detail)

Name and address	Maturity	Amount	State amount and character of collateral	Name of guarantor(s) and/or endorser(s)
Bank of America Wilshire-Euclid Branch	June 1953	$2500.	FHA Title I.	none
Bank of America Wilshire-Euclid Branch	August 1952	$1000.	Automobile	none

SCHEDULE 2 - Mortgage Debt (real estate and/or chattels) or Bond Issue

Names and addresses of holders	Date of maturity	Interest rate	Unpaid principal amount	Date to which interest is paid
Union Federal Sav.& Loan 441 S. Spring St.,L.A.	15 yr.loan	5%	$ 11,000.	April 1, 1951
Equitable Life Assur. Society, L. A.	20 yr.loan	4%	10,000.	" " "
Wilson A. Dobson,Mesa, Arizona	5 yr.loan	6%	3,400.	" " "
Home Sav.& Loan Co.,L.A.	June 1952	6%	4,600.	" " "
TOTAL	XXXXXXX	XXXXXX	$ 29,000.	XXXXXXXXXXXXXXXXX

If mortgage secures a bond issue, state whether bonds are principally held by management and/or stockholders or by others, and attach copy of mortgage indenture.

EXHIBIT B - CONDENSED COMPARATIVE STATEMENT OF INCOME AND EXPENSES

For years ended _____
(Insert date of end of fiscal year)
(000.00 omitted)

	(Figures for 3 preceding years) 19	19	19	Current year as of date of Exhibit A
1. Net sales				
2. Cost of goods sold				
3. Gross profit on sales (line 1 minus line 2)				
4. Other income (itemize)				
5. Total (line 3 plus line 4)				
6. Salaries (officers or partners)*				
7. Selling and all other expenses				
8. Total of lines 6 and 7				
9. Profit or loss before depreciation and Federal taxes (line 5 minus line 8)				
10. Depreciation				
11. Federal Income and Excess Profits Taxes				
12. Net profit or loss (line 9 minus lines 10 and 11)				
ANALYSIS OF SURPLUS				
13. Total surplus at beginning of period				
14. Net profit or loss for period				
15. Line 13 plus line 14 if profit; line 13 minus line 14 if loss				
Add:				
16. Surplus paid in during period				
17. Surplus resulting from revaluation of assets				
18. Other additions to surplus (itemize)				
19. Total of lines 15 to 18, inclusive				
Deduct:				
20. Dividends				
21. Other charges to surplus (itemize)				
22. Total of lines 20 and 21				
23. Surplus at end of period (line 19 less line 22), MUST AGREE WITH SURPLUS AS SHOWN IN BALANCE SHEETS				

* To include all payments of any kind (commissions, bonuses, withdrawals) to officers or partners.

NOTE—If years included in the above tables are not adequately representative of applicant's financial experience, information may be submitted for additional years.

EXHIBIT C - CONDENSED COMPARATIVE STATEMENT OF CONDITION

For years ended _____
(Insert date of end of fiscal year)

(000.00 omitted. Use figures to nearest thousand. For instance, the figure $3,489.36 should be written as 3; the figure $3,689.36 should be written as 4)

ASSETS	(Figures for 3 preceding years) 19	19	19	Current year as of date of Exhibit A
CURRENT ASSETS:				
1. Cash				
2. Receivables (after deducting reserves)				
3. Inventories				
4. Other current assets:				
TOTAL CURRENT ASSETS				
FIXED AND OTHER ASSETS:				
5. Plant accounts (before depreciation):				
Machinery, equipment, etc.				
Delivery equipment				
Real estate and buildings used in business				
6. Other assets (as investments, real estate not used in business, etc.):				
TOTAL ASSETS				
LIABILITIES				
CURRENT LIABILITIES:				
8. Notes payable				
9. Accounts payable				
10. Accrued liabilities				
11. Other current liabilities:				
TOTAL CURRENT LIABILITIES				
FIXED AND OTHER LIABILITIES:				
12. Mortgage debts				
13. Debentures				
14. Other fixed liabilities:				
RESERVES:				
15. Reserve for depreciation				
16. Other reserves:				
NET WORTH:				
17. Common stock (issued) (if Applicant is incorporated)				
18. Preferred stock (issued) (if Applicant is incorporated)				
19. Surplus (if Applicant is incorporated)				
20. Capital and surplus account (if Applicant is partnership or individual)				
TOTAL LIABILITIES				

NOTE— If years included in the above table are not adequately representative of applicant's financial experience, condition statements may be submitted for additional years.

EXHIBIT D

AGREEMENT AS TO COMPENSATION FOR SERVICES RENDERED OR TO BE RENDERED TO APPLICANT IN CONNECTION WITH APPLICATION AND/OR LOAN

To induce the United States Government and its agencies to make a loan under Sec. 302 of the Defense Production Act of 1950 to _____ (hereinafter called "Applicant") and in consideration of the making of a loan to Applicant, the undersigned, having been retained by Applicant for the purpose of rendering professional or other services in connection with its application for a loan or loans, hereby represents, warrants, and agrees that the undersigned has not been paid, has not made any agreement with the Applicant to be paid, and has not procured any person to pay or agree to pay, and will not, directly or indirectly, charge or receive any bonus, fee, or commission in any form in connection with the said application for, or the obtaining of, the loan applied for by the Applicant, or any compensation in any form for services rendered or to be rendered in connection therewith except for the services and in the amounts stated below:

Name	Description of services	Amount paid	Amount to be paid
No compensation to anyone in connection with procurement of loan.		$	$

To induce the making of the loan and the employment of the undersigned by Applicant, the undersigned hereby further warrants, covenants and agrees, upon the consideration herein specified, and in consideration of the employment of the undersigned by Applicant, as above recited, that if the amount of compensation stated above for any such services shall not be deemed reasonable by any agency of the United States Government, the undersigned will reduce the charge for such services to such amount as shall be deemed reasonable by such agency, and will not, directly or indirectly, charge or collect from the Applicant or any other person, any sum in excess of the amount so deemed reasonable; and that if the undersigned has heretofore collected, from the Applicant or any other person, as compensation for any such services, any amount deemed by such agency to be unreasonable, the undersigned will refund to Applicant or such other person such sums as are in excess of the amount deemed reasonable. The undersigned further warrants, covenants and agrees that if the amount of the compensation for any such services is not determinable at the date of application, or is not stated above, it will not collect or charge any sum as compensation for such services without the prior written approval of the Government agency with which this application is officially filed as to the nature of the services for which such compensation is to be paid and the amount of such compensation.

Witness: _____ _____

Address of witness: _____ _____

Dated _____, 19____ _____

NOTE—Corporations must execute foregoing certificate in corporate name, by duly authorized officer, and seal must be affixed and duly attested; partnerships must execute in firm name, together with signature of a general partner. If no compensation is paid or to be paid for services rendered in connection with application or loan, this should be so stated and the Applicant should sign this Exhibit.

CERTIFICATION

The Applicant hereby certifies that the statements made in the foregoing application, and all exhibits and documents submitted in connection therewith, are true and correct statements to the best of Applicant's information and belief and are submitted as a basis for credit. The Applicant agrees to reimburse any agency of the United States Government upon demand for any expenses incurred in connection with or arising out of this application or any loan made pursuant hereto.

Dated 3-27, 19 51

Witness: (For individual applicants)

Helen S. Bruderlin — Henry H Bruderlin (Signature)

Witness: (For partnership applicants)

_____ _____ (Full name of firm)

By _____, a general partner. (Signature)

(For corporate applicants)

(CORPORATE SEAL)

_____ (Full corporate name of Applicant)

Attest: By _____ (Signature) (Title)

_____ (Signature), _____ (Title)

The United States Criminal Code, 18 U.S.C., Sec. 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: 1950 O - 916171

Form NSRB-146
(Nov. 1950)

UNITED STATES GOVERNMENT

APPLICATION FOR GOVERNMENT LOAN UNDER SEC. 302 OF DEFENSE PRODUCTION ACT OF 1950

FORM APPROVED
BUDGET BUREAU NO. 25-R002

AMOUNT OF LOAN REQUESTED

TERMS OF LOAN REQUESTED

DATE OF APPLICATION

TO BE FILLED IN BY DELEGATE AGENCY

(DATE RECEIVED)

COMM.

AGRIC.

INT.

D.T.A.

FILE NO.

NAME AND ADDRESS OF APPLICANT (Street, City, Zone, State)

Henry H. Bruderlin
257 South Beloit Street,
Los Angeles 49, California

INSTRUCTIONS

Application should be filed with the Department of Commerce, Department of Agriculture, Department of Interior, or the Defense Transport Administration, whichever has the primary interest in the facilities, products, or processes involved. However, for convenience of the applicant, he may file with any government agency with which he has contract or other pertinent relationships and such agency will arrange for the transmittal of the application to the appropriate office.

Submit four (4) signed copies of the application. Name and address of applicant should be stamped or typed for identification of each sheet of the application and all accompanying papers. When a question is inapplicable, this should be so stated on the form. Additional sheets may be attached in answering any questions or in providing other supporting information.

1. PURPOSE OF LOAN

Give a brief general statement of the purpose of the loan requested, including in the table below estimated amounts for such major purposes as land acquisition, building construction, purchase of plant, purchase of equipment, working capital, repayment of debt, etc. Statement should make clear whether funds will be used for expansion of capacity, development of technological processes, or production of essential materials.

General Statement

Requested funds are to be used for providing facilities for extracting essential minerals, namely copper and tungsten, from two separate deposits which are as yet undeveloped. An undeveloped deposit of chromite is also immediately adjacent to the one location.

NATURE OF EXPENDITURE	AMOUNT
Purchase of Equipment	30,000 00
Working Capital	30,000 00
Total amount applied for	60,000 00

2. PROPOSED METHOD FOR REPAYMENT OF LOAN

State sources of funds, and proposed schedule of repayment

Loan repayment is proposed from mill returns at the rate of 15% of such net returns. [illegible] mill, [illegible] in the [illegible] heretofore undeveloped deposit of [illegible] on three claims known as Elephant [illegible], Pinal County, Arizona, and to actively mine copper [illegible] on claims known as Whetrock [illegible] through [illegible] inclusively. Both [illegible]

3. NATURE OF BUSINESS AND DESCRIPTION OF PROJECT

Describe fully the business activity for which the funds are intended. In so doing, identify the materials and services to be produced, describe the facilities and processes involved, and explain in detail any research activity and the nature of the results expected. Attach blueprints and specifications, if available, and furnish other technical details to the extent that they are not covered elsewhere in the application.

It is proposed to purchase the necessary equipment to build a road, furnish a small concentrating mill, and actively mine the heretofore undeveloped deposit of copper and tungsten on three claims known as Elephant Butte #1, #2, and #3, Pinal County, Arizona, and to actively mine copper deposits on claims known as Whetrock #1 through #18 inclusively. Both these properties give evidence of being commercially workable.

4. Relationship to National Defense. Explain carefully how the expenditure of the funds will contribute to national defense. As a part of such explanation, the following questions should be answered to the extent possible:

(a) What evidence exists as to current shortages of the materials or services to be produced?

Bureau of Mines Bulletin listing critical minerals.

(b) What evidence exists as to future shortages of the materials or services to be produced?

None.

(c) Are such shortages, if any, regional or national in scope?

National.

(d) In what respects will the use of the funds aid directly in expediting the carrying out of government defense contracts? (A listing of defense contracts, if any, held by applicant is required in item 8 below.)

No known contracts involved.

4. Relationship to National Defense - Continued

(e) In what respects will the use of the funds aid indirectly in expediting the carrying out of government defense contracts or related operations?

The funds will aid in making available critical minerals.

(f) Are there available alternative methods or facilities to accomplish the same purpose as that for which these funds are intended? (For instance, unused capacity, possibility of multiple shift operations, idle facilities, readily convertible equipment, sub-contracting?) If answer is yes, explain why alternatives are not used.

No.

5. Maximum Designed Production

List separately materials or services identified in item 3 (a)	Unit of measure (b)	Maximum designed production with existing facilities (c)	Average percentage of maximum designed production used in quarter preceding filing of application (d)	Maximum designed production including use of funds applied for (e)
Copper	5% ore	none	none	15 tons/day
Tungsten	7% ore	none	none	2 tons/day

6. Employment

(a) Number currently employed at location(s) where funds are to be used. (Use pay period ending nearest 15th of month preceding filing of application.)

one

(b) Maximum feasible employment with existing facilities.
(1) Single shift operation.

one

(2) Multiple shift operation (specify how many shifts).

(c) Estimated additional employees required by the use of the funds applied for.

four

7. Timing

(a) On what date(s) are the requested funds needed?

As soon as practicable.

(b) On what expected date(s) will applicant begin to use such funds and obtain output from the use of such funds? Wherever possible, give planned schedule of output.

Funds will be put to use immediately. Ore shipments will begin approximately two weeks after funds are available.

8. Output from the use of funds applied for will be for the following purposes:

a. For the following principal prime defense contracts (if any) with the United States Government:

Date of contract (a)	Contracting Government Agency (b)	Program symbol (2 digits) or other contract identification (c)	Materials or services (d)	Delivery date(s) (e)	Amount *(Dollars)* (f)

b. For the following subcontracts (if any) with U.S. Government prime defense contractors:

Date of contract (a)	Materials or services (b)	Supplied to *(Give name and address of firm)* (c)	Delivery date(s) (d)	(e) Government agency receiving end product or services (f) Program symbol (2 digits) or other contract identification	Amount *(Dollars)* (g)
				(e)	
				(f)	
				(e)	
				(f)	
				(e)	
				(f)	

c. For the following classes or types of customers not covered by contracts listed above (list materials or services to be provided and, wherever possible, also indicate final product use):

Copper ore will be sold to Magma Copper Co., Superior Arizona, or to Miami Copper Co., Miami, Arizona.

Tungsten will be concentrated in a small mill to be purchased with requested funds, and the concentrate shipped to New York Markets.

9. **Feasibility**

(a) Estimate anticipated requirements for manpower, equipment, raw materials, energy, fuel, transportation facilities, water supply, housing, community facilities, and other factors of production, for (1) preparation of the facilities and (2) actual operation thereof. (The estimates may be limited to those factors of substantial significance to the preparation and operation of the facilities for which the funds are intended.)

With the quantity of ore apparently immediately available, the following requirements are indicated:

Six men will be required. (Two locations)
Temporary housing (tents) must be provided.
Water is available at proposed campsites but additional wells should be dug.
One 2½ ton truck for hauling ore, equipment and supplies.
Two air compressors, four jack hammers, hose, drills, etc.
Caterpillar D-6 with angle dozer and dual power take-off.
Crusher, ball mill, and concentration table.
Powder, fuses, caps, two tons.

(b) Discuss and evaluate the availability of each of the above factors in the area(s) where the funds will be used.

All items identified are available in this area.

10. The following applications for necessity certificates for tax amortization (Under Section 124A of the Internal Revenue Code) for facilities at the location(s) covered by this application have been filed since January 1, 1950.

Date of application (a)	Government file number (b)	(Estimated) Total of facilities in dollars on each application (c)	(d) If final action has been taken, give date of	
			Issuance	Denial
	NONE			

11. **Recent Efforts to Obtain Credit**

(a) Banks—List names and addresses of all Banks of Deposit of Applicant within the last 5 years: *(Mark with an asterisk (*) bank or banks in which deposits are now kept)*

Bank of America, Santa Monica Branch.
* Bank of America, Westwood Village Branch.
* Bank of America, Wilshire-Euclid Branch.

11. **Recent Efforts to Obtain Credit** - Continued

(b) State efforts to obtain credit, within 60 days preceding date of application, from banks, the Reconstruction Finance Corporation, or other sources, results, and reasons if refused. (NOTE.— Section 302 of the Defense Production Act of 1950 states that a loan may be extended "only to the extent that it is not otherwise available on reasonable terms." Accordingly, Applicant should show that it has applied to each bank named in (a) above, or explain the reason for not doing so. The fact that a loan of the particular maturity and terms applied for is refused by a bank or banks is not sufficient to comply with the statute, if credit on reasonable terms is available. State whether a bank will participate in the loan, and if so, state name of bank and amount of participation. Full particulars must be given.) List the names and addresses of banks and other lending institutions to which applications for credit have been made, and in each case state date of application, amount of credit available, if any, maximum term for which credit is available, what consideration, if any, was given to possible guarantee of loan under Federal Reserve Regulation V, and reason for refusal or reason loan was not obtained. Indicate whether or not application was definitely refused for further credit on any basis.

I have requested and been refused a loan from all three of the banks identified above, for mining purposes, although my personal credit is good at each.

12. What other forms of government financial assistance, if any, have been received or requested by the applicant in connection with the purposes of the loan herein applied for? If applicant plans to request such assistance in the future, give details.

None.

13. **HISTORY, MANAGEMENT, LEASED AGREEMENTS, INSURANCE, ETC.**

These subjects should be fully covered in statements attached hereto. Outline past management experience or other basis for showing competence of the Applicant to perform in accordance with expressed purpose of the application. If plant was purchased, state price, form and terms of payment, date of purchase, from whom and under what circumstances purchase was made. If it is proposed to construct or acquire new facilities (including equipment), state estimated cost and basis of such estimate, form and terms of payment, and from whom purchases of facilities will be made. State whether Applicant, or the business or plant, has been in receivership, bankruptcy, Chapter X, XI or XII, in hands of creditors, committee, or whether Applicant has effected a compromise with creditors, and if so, discuss fully. Indicate whether business is conducted in leased premises and whether any facilities are leased from others and describe terms of any lease agreements. List type and amount of insurance carried on plant property. Describe briefly any pending or threatened litigation affecting Applicant.

14. NAMES AND ADDRESSES OF OFFICERS, DIRECTORS, OR PARTNERS, AND IN ADDITION THERETO, THE FIVE LARGEST STOCKHOLDERS IF 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 Applicant (d)	Number of shares held in applicant		Life insurance carried for benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net cash surrender value after loans (h)
NONE							
	Total		X X X X X			X X X	X X X

15. CAPITAL STOCK ISSUES

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	$ NONE	$	$		

16. PURCHASE AND SALES RELATIONS WITH OTHERS

Does Applicant buy from, sell to, or use the services of, any concern or partnership in which an officer, director, large stockholder, or partner of the Applicant has a substantial interest? If not, so state. If so, give names of such officers, directors, stockholders, and partners, and names of such concerns or partnerships.

No.

Does any officer, director, large stockholder, or partner of Applicant receive any commission, bonus, or other payment in cash or services from any concern or partnership with which Applicant has business dealings? If not, so state. If so, give names of such officers, directors, stockholders, or partners and amounts of such commissions, bonuses, or payments.

No.

17. COMPENSATION SCHEDULE

INSTRUCTIONS: The schedule shall show the amount of compensation being paid to all employees of Applicant receiving compensation at a rate in excess of $10,000 per annum, including employees paid on a part-time basis where the rate of compensation exceeds $10,000 per annum computed on a full-time basis. If Applicant is a corporation, the schedule should show the compensation, regardless of amount, being paid to all officers, directors, and such stockholders as have an interest in Applicant's business of 10 percent or more. If Applicant is a partnership, the schedule should show the compensation being paid to, or being withdrawn by, all partners for their personal use. If Applicant is an individual, the schedule should show the amount being withdrawn by Applicant for his personal use. In each case the listed person's connection with the business should be indicated (i.e., whether an officer, director, stockholder, partner, owner, etc.). The calendar basis for the compensation should likewise be shown. Attorneys or firms of attorneys on a regular retainer or salary basis should be included. The schedule should include a separate notation indicating the source and amount of any compensation being paid by a company or firm directly or indirectly controlling, affiliated with, or controlled by, Applicant. If the space provided herein is insufficient, the schedule should be continued on the reverse side or appropriate continuation sheets should be attached.

17. COMPENSATION SCHEDULE - Continued

The term "compensation", as used herein and such schedule, shall include all salaries, fees, bonuses, commissions, retainers, regular drawing accounts, and other payments, direct or indirect, in money or otherwise, for personal services.

Name (a)	Position (b)	Compensation paid during previous fiscal year (c)	Present compensation (d)
None in excess of $10,000./yr.			

18. COLLATERAL

(a) The applicant offers the following described collateral as security for repayment of the loan applied for.

Description (a)	Date acquired (b)	Cost (c)	Book Value (Net) (d)	Appraised* value (e)
Property now held:				
Lease on Whetrock Claims	Nov. 1950	$8000. plus 10% net mill returns.	-	-
Lease on Elephant Butte Claims	Feb. 1951	10% net mill returns.	-	-
To be acquired:				

* This column need be filled in only if a recent appraisal has been made. If so, identify appraiser below.

Name (a)	Title (b)	Date (c)

(b) Describe existing liens, if any, on property listed above.

none.

EXHIBIT A - CURRENT FINANCIAL STATEMENT

As of _____

(Date not more than 30 days prior to date of application)

ASSETS

CURRENT ASSETS			
1. Cash			$ 4000.00
2. Notes receivable		$ 1500.00	
Less reserve for doubtful notes			
3. Accounts receivable:			
Current	$		
Past due not over 4 months			
Past due over 4 months		$	
Less reserve for doubtful accounts			1500.00
4. Inventories:			
Raw materials	$		
Work in process			
Finished goods		$	
Less reserve for inventory losses			
5. Other current assets (describe)			
TOTAL CURRENT ASSETS			$ 5500.00
FIXED AND OTHER ASSETS			
6. Plant used in business:			
Land	$		
Buildings			
7. Machinery			
8. Equipment, furniture, and fixtures		$	
Less reserve for depreciation			
9. Investments—stocks and bonds			
10. Investments in affiliated companies			
11. Receivables due from affiliated companies			
12. Real estate not used in business			81,400.00
13. Due from officers, directors, employees, stockholders			
14. Deferred charges			
15. Other assets			6,000.00
TOTAL ASSETS			$ 92,900.00

LIABILITIES

CURRENT LIABILITIES			
16. Notes payable (see schedule 1, page 10):			
Banks		$ 3400.00	
Trade creditors			
Officers, stockholders, relatives			
Insurance companies			$ 3,400.00
17. Accounts payable			
18. Other current liabilities:			
Delinquent taxes	Real estate	$	
	Federal		
Wages and salaries			
Due officers			
Accrued interest, rent, taxes, wages, etc.			
			3,400.00
TOTAL CURRENT LIABILITIES			$
FIXED AND OTHER LIABILITIES			
19. Machinery liens			
20. Mortgage debts (see schedule 2, page 10)			29,000.00
21. Bonds or debentures (see schedule 2, page 10)			
22. Other liabilities			
NET WORTH			
23. Common stock (if Applicant is incorporated)		$	
24. Preferred stock (if Applicant is incorporated)			
25. Surplus (if Applicant is incorporated)			
26. Capital and Surplus Account (if Applicant is partnership or individual)			
TOTAL LIABILITIES			$ 32,400.00
27. Contingent liabilities (explain)			$

NOTE.—Submit copy of last available audit or of financial statement at close of last fiscal period (if such date differs from date of above statement).

SCHEDULE I - Notes Payable (in detail)

Name and address	Maturity	Amount	State amount and character of collateral	Name of guarantor(s) and/or endorser(s)
Bank of America Wilshire-Euclid Branch	June 1953	$2500.	FHA Title I.	None
Bank of America Wilshire-Euclid Branch	August 1952	1000.	Automobile	None

SCHEDULE 2 - Mortgage Debt (real estate and/or chattels) or Bond Issue

Names and addresses of holders	Date of maturity	Interest rate	Unpaid principal amount	Date to which interest is paid
Union Federal Sav.& Loan 441 S. Spring St., L.A.	15 yr loan	5%	$11,000.	April 1, 1951
Equitable Life Assurance Society, L. A.	20 yr loan	4%	10,000.	" " "
Wilson A. Dobston, Mesa, Arizona	5 yr loan	6%	3,400.	" " "
Home Savings & Loan, L.A.	June, 1952	6%	4,600.	" " "
TOTAL	XXXXXXX	XXXXXX	$29,000.	XXXXXXXXXXXXXXXXX

If mortgage secures a bond issue, state whether bonds are principally held by management and/or stockholders or by others, and attach copy of mortgage indenture.

EXHIBIT B - CONDENSED COMPARATIVE STATEMENT OF INCOME AND EXPENSES

For years ended _____

(Insert date of end of fiscal year)

(000.00 omitted)

	(Figures for 3 preceding years) 19	19	19	Current year as of date of Exhibit A
1. Net sales				
2. Cost of goods sold				
3. Gross profit on sales (line 1 minus line 2)				
4. Other income (itemize)				
5. Total (line 3 plus line 4)				
6. Salaries (officers or partners)*				
7. Selling and all other expenses				
8. Total of lines 6 and 7				
9. Profit or loss before depreciation and Federal taxes (line 5 minus line 8)				
10. Depreciation				
11. Federal Income and Excess Profits Taxes				
12. Net profit or loss (line 9 minus lines 10 and 11)				
ANALYSIS OF SURPLUS				
13. Total surplus at beginning of period				
14. Net profit or loss for period				
15. Line 13 plus line 14 if profit; line 13 minus line 14 if loss				
Add:				
16. Surplus paid in during period				
17. Surplus resulting from revaluation of assets				
18. Other additions to surplus (itemize)				
19. Total of lines 15 to 18, inclusive				
Deduct:				
20. Dividends				
21. Other charges to surplus (itemize)				
22. Total of lines 20 and 21				
23. Surplus at end of period (line 19 less line 22), MUST AGREE WITH SURPLUS AS SHOWN IN BALANCE SHEETS				

* To include all payments of any kind (commissions, bonuses, withdrawals) to officers or partners.

NOTE—If years included in the above tables are not adequately representative of applicant's financial experience, information may be submitted for additional years.

EXHIBIT C.- CONDENSED COMPARATIVE STATEMENT OF CONDITION

For years ended _____
(Insert date of end of fiscal year)

(000.00 omitted. Use figures to nearest thousand. For instance, the figure $3,489.36 should be written as 3; the figure $3,689.36 should be written as 4)

ASSETS	(Figures for 3 preceding years) 19	19	19	Current year as of date of Exhibit A
CURRENT ASSETS:				
1. Cash				
2. Receivables (after deducting reserves)				
3. Inventories				
4. Other current assets:				
TOTAL CURRENT ASSETS				
FIXED AND OTHER ASSETS:				
5. Plant accounts (before depreciation):				
Machinery, equipment, etc.				
Delivery equipment				
Real estate and buildings used in business				
6. Other assets (as investments, real estate not used in business, etc.):				
TOTAL ASSETS				
LIABILITIES				
CURRENT LIABILITIES:				
8. Notes payable				
9. Accounts payable				
10. Accrued liabilities				
11. Other current liabilities:				
TOTAL CURRENT LIABILITIES				
FIXED AND OTHER LIABILITIES:				
12. Mortgage debts				
13. Debentures				
14. Other fixed liabilities:				
RESERVES:				
15. Reserve for depreciation				
16. Other reserves:				
NET WORTH:				
17. Common stock (issued) (if Applicant is incorporated)				
18. Preferred stock (issued) (if Applicant is incorporated)				
19. Surplus (if Applicant is incorporated)				
20. Capital and surplus account (if Applicant is partnership or individual)				
TOTAL LIABILITIES				

NOTE— If years included in the above table are not adequately representative of applicant's financial experience, condition statements may be submitted for additional years.

EXHIBIT D

AGREEMENT AS TO COMPENSATION FOR SERVICES RENDERED OR TO BE RENDERED TO APPLICANT IN CONNECTION WITH APPLICATION AND/OR LOAN

To induce the United States Government and its agencies to make a loan under Sec. 302 of the Defense Production Act of 1950 to _____ (hereinafter called "Applicant") and in consideration of the making of a loan to Applicant, the undersigned, having been retained by Applicant for the purpose of rendering professional or other services in connection with its application for a loan or loans, hereby represents, warrants, and agrees that the undersigned has not been paid, has not made any agreement with the Applicant to be paid, and has not procured any person to pay or agree to pay, and will not, directly or indirectly, charge or receive any bonus, fee, or commission in any form in connection with the said application for, or the obtaining of, the loan applied for by the Applicant, or any compensation in any form for services rendered or to be rendered in connection therewith except for the services and in the amounts stated below:

Name	Description of services	Amount paid	Amount to be paid
No compensation of loan.	to anyone in connection with	$ procurement	$

To induce the making of the loan and the employment of the undersigned by Applicant, the undersigned hereby further warrants, covenants and agrees, upon the consideration herein specified, and in consideration of the employment of the undersigned by Applicant, as above recited, that if the amount of compensation stated above for any such services shall not be deemed reasonable by any agency of the United States Government, the undersigned will reduce the charge for such services to such amount as shall be deemed reasonable by such agency, and will not, directly or indirectly, charge or collect from the Applicant or any other person, any sum in excess of the amount so deemed reasonable; and that if the undersigned has heretofore collected, from the Applicant or any other person, as compensation for any such services, any amount deemed by such agency to be unreasonable, the undersigned will refund to Applicant or such other person such sums as are in excess of the amount deemed reasonable. The undersigned further warrants, covenants and agrees that if the amount of the compensation for any such services is not determinable at the date of application, or is not stated above, it will not collect or charge any sum as compensation for such services without the prior written approval of the Government agency with which this application is officially filed as to the nature of the services for which such compensation is to be paid and the amount of such compensation.

Witness: _____ _____

Address of witness: _____ _____

Dated _____, 19____ _____

NOTE—Corporations must execute foregoing certificate in corporate name, by duly authorized officer, and seal must be affixed and duly attested; partnerships must execute in firm name, together with signature of a general partner. If no compensation is paid or to be paid for services rendered in connection with application or loan, this should be so stated and the Applicant should sign this Exhibit.

CERTIFICATION

The Applicant hereby certifies that the statements made in the foregoing application, and all exhibits and documents submitted in connection therewith, are true and correct statements to the best of Applicant's information and belief and are submitted as a basis for credit. The Applicant agrees to reimburse any agency of the United States Government upon demand for any expenses incurred in connection with or arising out of this application or any loan made pursuant hereto.

Dated 3-27, 1957

Witness: (For individual applicants)

Helen S. Bruderlin — Henry H. Bruderlin (Signature)

Witness: (For partnership applicants)

_____ _____ (Full name of firm)

By _____, a general partner. (Signature)

(For corporate applicants)

(CORPORATE SEAL)

_____ (Full corporate name of Applicant)

Attest: By _____ (Signature) (Title)

_____ (Signature), _____ (Title)

The United States Criminal Code, 18 U.S.C., Sec. 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: 1950 O - 916171

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 6 - 1951

LANDON F. STROBEL
Executive Secretary

April 2, 1953

Dr. James Boyd
Administrator
Defense Minerals Administration
Interior Building
Washington 25, D. C.

Dear Doctor Boyd:

We are enclosing three copies of form NSRB 146 received from Henry H. Bruderlin, 257 South Beloit Street, Los Angeles 49, California.

This is the twenty-first package of reports forwarded to Washington from Region IV.

Sincerely yours,

J. H. East, Jr.
Regional Director

Enclosure

COPY

April 9, 1951

Mr. Henry H. Bruderlin
257 South Beloit Street
Los Angeles 49, California

Subject: DMA-943

My dear Mr. Bruderlin:

Receipt is acknowledged of your application and attachments of March 27, for a Government loan under the Defense Production Act of 1950.

The application was assigned docket number 943 and referred to Mr. J. B. Gowen, Acting Chief, Copper Branch, on April 6.

In any future correspondence relating to your application, kindly refer to DMA-943.

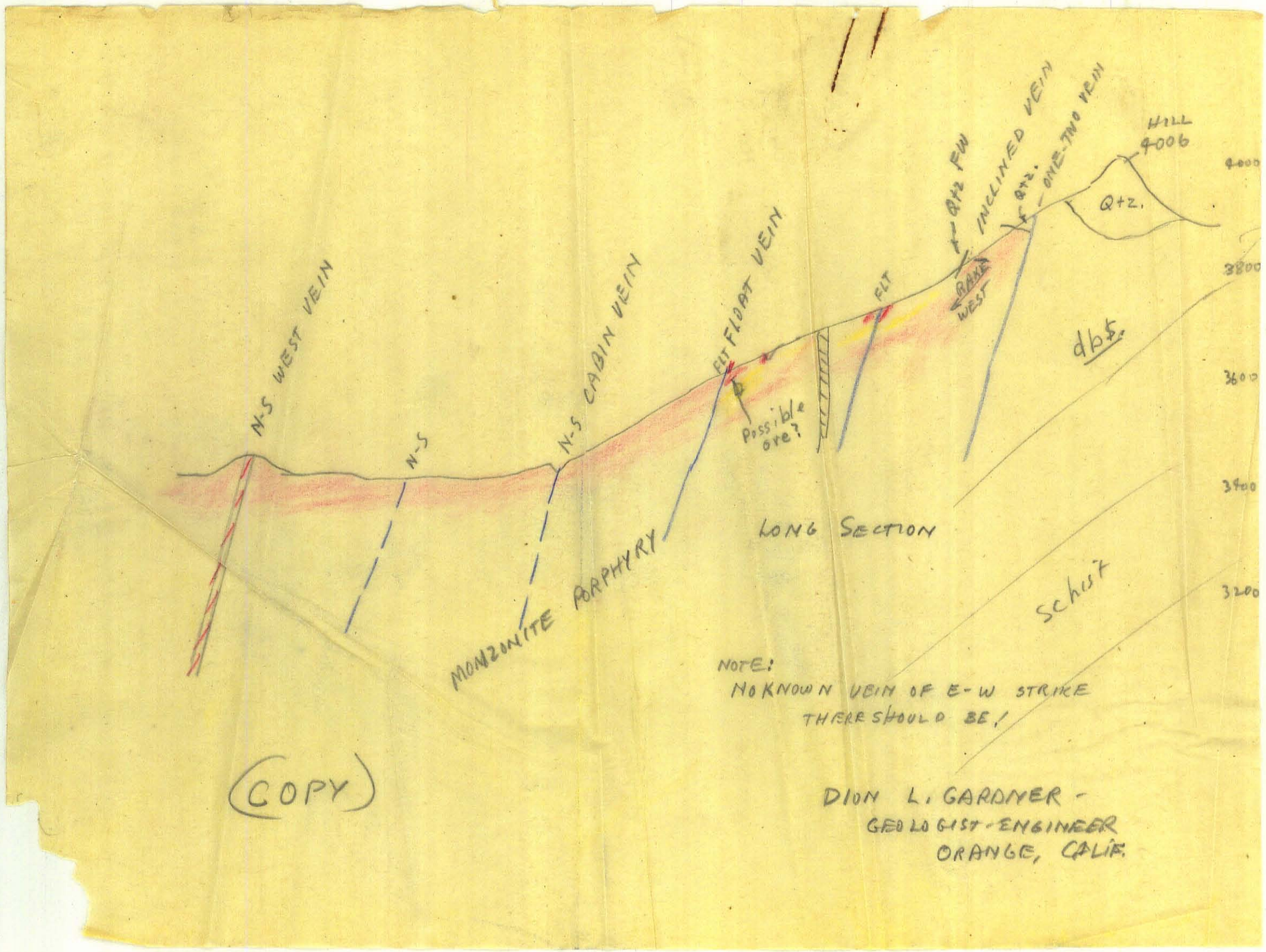
Sincerely yours,

LANDON F. STROBEL

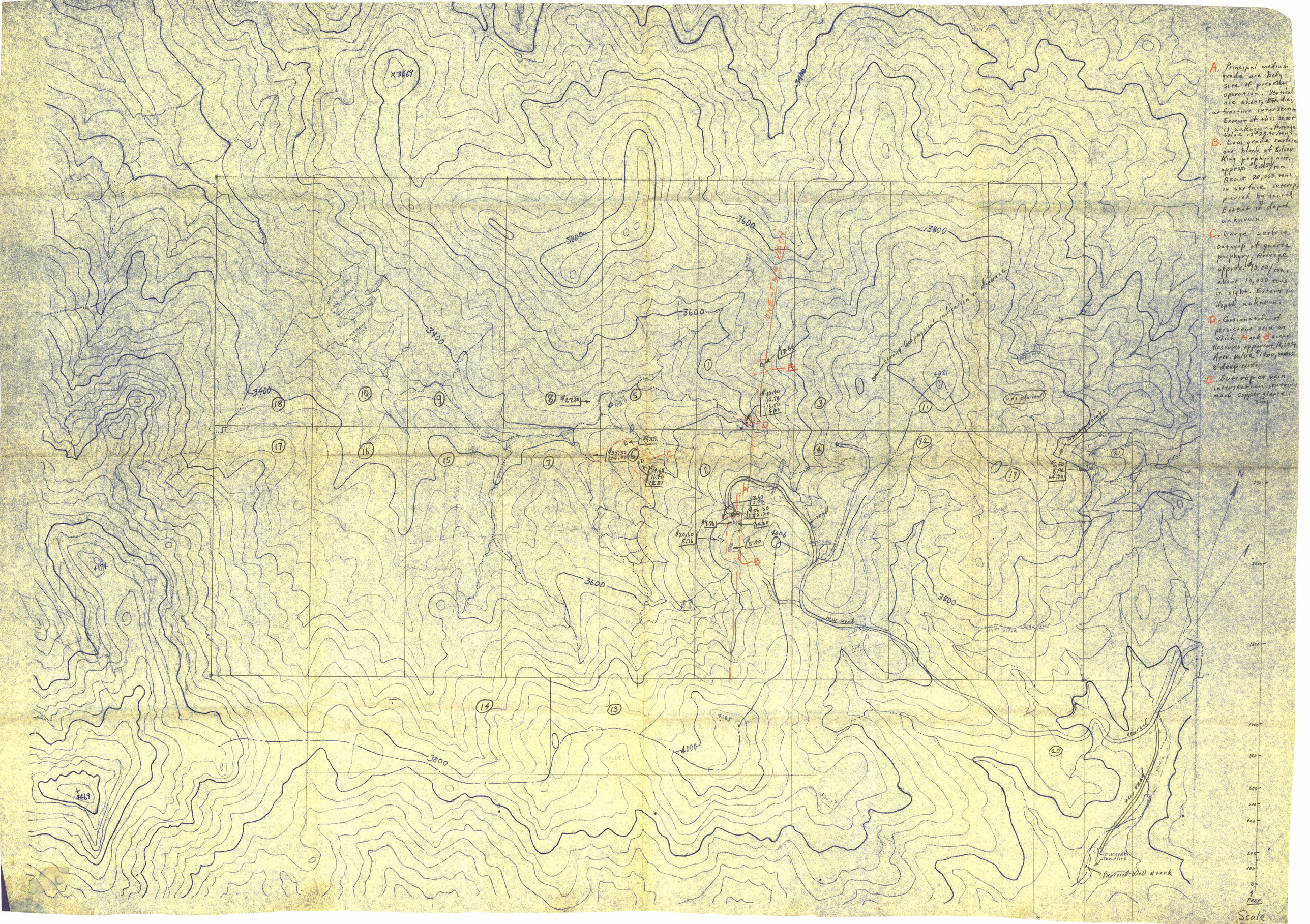
Landon F. Strobel
Executive Secretary

LFSTROBEL:bh

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


N-S WEST VEIN
N-S
N-S CABIN VEIN
FLT FLOAT VEIN
Possible ore?
FLT
BRK FW
BRK WEST
INCLINED VEIN
Qtz.
ONE-TWO VEIN
HILL 4006
Qtz.
4000
3800
3600
3400
3200
dbs.
schist
MONZONITE PORPHYRY
LONG SECTION
NOTE:
NO KNOWN VEIN OF E-W STRIKE
THERE SHOULD BE!
(COPY)
DION L. GARDNER -
GEOLOGIST-ENGINEER
ORANGE, CALIF.

PRELIMINARY
GEOLOGIC
MAP
OF
PORTION OF THE
WHETROCK BASIN
PINAL COUNTY
ARIZONA
Quartzite
Granite
Monzonite Por.
Diabase sills
Basalt dikes
Faults
Veins
Low grade
Mineralized
Ore
Quartzite
Granite
Monzonite Por.
Diabase sills
Basalt dikes
Faults
Veins
Low grade
Mineralized
Ore
West Vein
Blanket Leads
One-Two Vein
Graphitic indication
Bot Heel Vein
Bot Heel
Inclined Vein
Flat Vein
Latite Dike
Pinal Schist
Schist
Road
Light Rock Basin
Blackberry Complex
Quartzite
Basalt
Qtz
3400
3600
3800
4000
4174
4119
4085
4206


A. Principal medium grade ore body - site of previous operation. Vertical ore shoot, 8m dia, at fracture intersection. Extent of this shoot is unknown. Average value is $28.40/ton.
B. Low grade surface ore block of Silver King porphyry over approx. 8 acres. About 20,000 tons in surface outcrop pierced by tunnel. Extent in depth unknown.
C. Large surface outcrop of quartz porphyry. Average approx. $13.00/ton, about 10,000 tons in sight. Extent in depth unknown.
D. Continuation of persistent vein on which A and B occur. Reserves apparent 10,000 T. Aver. value $1400, across 8' deep cuts.
E. Outcrop at vein intersection contains much copper glance.
ONE-TWO VEIN
strong geophysical indication
not claimed
new road
Proposed Well drank
Scale
Feet
N