22½ New Customhouse
Denver 2, Colorado

November 26, 1951

Mr. Harry J. Svenning
229 No. Manhattan Street
Los Angeles, California

Re: DMA Docket 12371

Dear Mr. Svenning:

Your application for a loan to explore the Standard Copper Prospect Mine has been reviewed by the Defense Minerals Administration. We have a report of a field examination made on your property to help us in judging your application.

On the basis of this report we must conclude that the chances of finding any significant tonnage of mineable copper ore are unfavorable. The prospect is in narrow quartz lenses occupying minor fractures in granitic rocks. The outcrop of the principal fracture can be traced about 250 feet with an average thickness of 6 inches. The weighted average of two samples taken at the bottom of the prospect shaft was 1.62 per cent copper over an average width of 10½ inches. Under these circumstances the expenditure of public funds for your proposed exploration is unwarranted and we regret that your application must be denied.

We wish to thank you for bringing the property to our attention. Enclosed is the original copy of your application.

Yours very truly,

J. H. East, Jr.
Executive Officer
DMA Field Team, Region IV

Enclosure

MEM:fec

CC: DMA docket, chron
Leachmann
~~Kennexxx~~
Storaas
John M. Smith, Acting Chief,
Administrative Management Div.

DMA Form 3b.

DEFENSE MINERALS ADMINISTRATION

CONTROLLED DOCUMENT
Revised Abstract

DMA Docket No. 1237-X

Change: From		To	
I 1	☐	I 1	☐
I 2	☐	I 2	☐
I 3	☒	I 3	☒
I 4	☐	I 4	☐
I 5	☐	I 5	☐
I 6	☐	I 6	☐
III 1	☐	III 1	☐
III 2	☐	III 2	☒ 11/20/51
III 3	☐	III 3	☐
III 4	☐	III 4	☐

Add:

II 7 $ 6,000.00

II 8 $

II 8a %

Initials of person preparing sheet WDM

Date sheet prepared 11/20/51

Mining Division
Region IV

November 26, 1951

Memorandum

To: DMO Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMO Docket 1237X, Harry J. Dressing, applicant; Standard Copper Prospect, Yavapai County, Arizona

The application of the subject docket was for an exploration loan of $6,000.

The purpose of this loan was sinking the pre-ent 35 foot exploratory shaft an additional 75 feet to intersect the junction of two veins which are 10 feet apart on the surface with an unspecified amount of drifting.

The prospect is in narrow quartz lenses occupying minor fractures in granite rocks. The outcrop of the principal fracture can be traced about 250 feet with an average thickness of 6 inches. Mineralization consists principally of chrysocolla. The weighted average of two samples at the bottom of the exploratory shaft was 2.62 per cent copper over an average width of 10.5 inches. A grab sample of selected ore from the shaft assayed 3.51 per cent copper. Two other samples from trenches and open-cuts assayed less than 1.0 per cent copper.

In view of the narrow width of the veins and the low copper content the geological probability of the discovery of minable ore reserves are unfavorable.

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

A letter of denial has been sent to the applicant.

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

WHK:fmo
cc: Rosenkranz, Subj. Chron

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

10,711A - File

REGIONAL DIRECTOR'S
OFFICE
REGION IV
OCT 22 1951
BUREAU OF MINES
DENVER, COLORADO

OCT 16 1951

WRB
10-29-51

Mr. Harry J. Svenning
229 N. Manhattan Place
Los Angeles, California

Re: Docket No. DMA-1237X

Dear Mr. Svenning:

This is to inform you that your application for an exploration project has been referred to the field team for further study. You will hear from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, Region IV, Bureau of Mines, 224 New Customhouse Building, Denver 2, Colorado, or one of his staff when they are ready to visit your property.

We are sorry for the delay in answering your previous letters.

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

RVWaugh:rw
10/9/51

Copy to: Administrator's Reading File
Executive Officer, DMA Field Team IV
Coordinating Committee
Mr. Gowen
Mr. MacLaren
Files-DMA Docket

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

REGIONAL MINERALS OFFICE
REGION IV
OCT 22 1951
BUREAU OF MINES
DENVER, COLORADO

OCT 6 1951

Mr. Harry J. Svenning
229 N. Manhattan Place
Los Angeles, California

Re: Docket No. DMA-1237X

Dear Mr. Svenning:

This is to inform you that your application for an exploration project has been referred to the field team for further study. You will hear from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, Region IV, Bureau of Mines, 224, New Customhouse Building, Denver 2, Colorado, or one of his staff when they are ready to visit your property.

We are sorry for the delay in answering your previous letters.

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

RWWaugh:rw
10/9/51

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Executive Officer, DMA Field Team IV
Coordinating Committee
Mr. Gowen
Mr. MacLaren
Files-DMA Docket

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

REGIONAL DIRECTOR'S
OFFICE
REGION IV
OCT 22 1951
BUREAU OF MINES
DENVER, COLORADO

OCT 16 1951

Mr. J. H. East, Jr.,
Executive Officer, DMA Field Team Region IV,
Bureau of Mines,
224 New Customhouse Building,
Denver 2, Colorado

Dear Sir:

We attach "Review of Application for Exploration Assistance"

on:

Docket No. 1237X

Commodity Copper

Applicant Harry J. Svenning, 229 N. Manhattan Place, Los Angeles, 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

Lowell B. Moon
For the Bureau of Mines

T. P. Thayer
For the Geological Survey

Mr. J. H. East, Jr.,
Executive Officer, DMA Field Team Region IV,
Bureau of Mines,
224 New Customhouse Building,
Denver 2, Colorado

OCT 16 1951

1237X

Copper

Harry J. Svenning, 229 N. Manhattan Place,
Los Angeles, California

For the Bureau of Mines

For the Geological Survey

Rm. 2522

June 16, 1951

Mr. Harry J. Svenning
229 No. Manhattan Place
Los Angeles, California

Subject: DMA-1237X
Re: Exploration Loan
Standard Mine

My dear Mr. Svenning:

Receipt is acknowledged of your application and attachments of May 16, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1237X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on May 24, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1237X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
Files
>Gowen
Lyon

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1237X

Commodity Copper

Total Amount $6,000.00

Govt. Participation $3,000.00

1. Name and Address of Applicant HARRY J. SUENING
229 NO MANHATTAN PLACE LOS ANGELES CALIF.

2. Location of Property 6 MILES NE OF WICKENBERG, ARIZONA

3. Mineral or metal COPPER LEAD 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? ✓
(If so, attach an explanation)

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

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future

productive period? —

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? –

b) MF-202 –

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

a) Available manpower YES

b) Equipment and supplies YES
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Questionable

d) Water (question 13)* YES

e) Power (question 13)* Not mentioned

Is a field check needed on any of these points? YES Road Possibly Power.

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

Is a field check needed on this point? Good standard checking

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

a) Is the project adequately described? YES

If not, are there sufficient data given so that you can describe the project? – If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? – SEE attached sheet

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? YES

If not, what part of it is?

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? YES

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

e) Are the cost estimates reasonable? No - Rents too high

f) Should more information be requested from applicant? YES - Review Rental list

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

11. Exhibit B (question 23-d)*

a) Is it applicable? No

b) If so, are sufficient data furnished? — If so, attach a draft.

c) Is a field check needed? No

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? No too high

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? YES

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

d) Are the proposed wages and salaries reasonable? ~~YES~~ No Supervisor's too high.

e) Is a field check needed? No

EXHIBIT A

21. The applicant proposes to extend present exploratory shaft another 15 ft to intercept junction of 2 veins which are about 10 ft apart on the surface. Indications are that two veins come together at a depth of about 100 ft. Some slight amount of drifting might be required.

LABOR	2100.00
SUPERVISOR	1050.00
SINKING WATER WELL	125.00
RENTAL OF EQUIPMENT	1750.00
EQUIPMENT TO BE PURCHASED	250.00
TRANSPORTATION OF MATERIALS	350.00
ALLOWANCE for OPERATING EQUIPMENT	300.00
SUPPLIES	800.00
Total required for 70 DAYS	$6725.00

Estimated time for project 60-70 days.

21. d. not applicable

e. GASOLINE DRIVEN HOIST	750.00
f. GASOLINE DRIVEN COMPRESSOR @ 25/DAY 70 DAYS	1750.00
g. BLOWER + OTHER EQUIPMENT	300.00
h. POWDER, CAPS, FUSE + OTHER SUPPLIES	250.00
i. GASOLINE + OIL ETC	550.00
a 3 MINERS @ 10/DAY 70 DAYS	2100.00
b SUPERVISOR @ 15/DAY	1050.00
c. SINK WATER WELL FURTHER	125.00
	6375

14. Exhibit E (question 23-c)*

a) Is it applicable? YES

b) Sufficient data? YES

c) Reasonable? Don't ~~the~~ Know

d) Field check needed? YES

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

(All exploration must be completed within two years)

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

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Check on desirability and feasability of project and geology.

Reviewed by: [illegible]
[illegible]
C. L. Johnson
[illegible]

Date

INT.-DUP. SEC., WASH., D.C. 99009

22½ New Customhouse
Denver 2, Colorado

November 26, 1951

Mr. Harry J. Svensing
229 No. Manhattan Street
Los Angeles, California

Re: DMA Docket 1237X

Dear Mr. Svensing:

Your application for a loan to explore the Standard Copper Prospect Mine has been reviewed by the Defense Minerals Administration. We have a report of a field examination made on your property to help us in judging your application.

On the basis of this report we must conclude that the chances of finding any significant tonnage of mineable copper ore are unfavorable. The prospect is in narrow quartz lenses occupying minor fractures in granitic rocks. The outcrop of the principal fracture can be traced about 250 feet with an average thickness of 6 inches. The weighted average of two samples taken at the bottom of the prospect shaft was 2.62 per cent copper over an average width of 10½ inches. Under these circumstances the expenditure of public funds for your proposed exploration is unwarranted and we regret that your application must be denied.

We wish to thank you for bringing the property to our attention. Enclosed is the original copy of your application.

Yours very truly,

J. H. Earl, Jr.
Executive Officer
DMA Field Team, Region IV

Enclosure

WTMcFee

CC: DMA docket, ~~Chron~~
~~Keenhouse~~
~~Summers~~
Stone
John M. Smith, Acting Chief,
Administrative Management Div.

Mining Division
Region IV

November 26, 1951

Memorandum

To: BMD Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, BM Docket 1237X, Harry J. Swanning, applicant; Standard Copper Prospect, Yavapai County, Arizona

The application of the subject docket was for an exploration loan of $4,000.

The purpose of this loan was sinking the present 25 foot exploratory shaft an additional 75 feet to intersect the junction of two veins which are 10 feet apart on the surface with an unspecified amount of drifting.

The prospect is in narrow quartz lenses occupying minor fractures in granite rocks. The outcrop of the principal fracture can be traced about 250 feet with an average thickness of 6 inches. Mineralization consists principally of chrysocolla. The weighted average of two samples at the bottom of the exploratory shaft was 2.42 per cent copper over an average width of 10.5 inches. A grab sample of selected ore from the shaft assayed 3.51 per cent copper. Two other samples from trenches and open-cuts assayed less than 1.0 per cent copper.

In view of the narrow width of the veins and the low copper content the geological probability of the discovery of mineable ore reserves are unfavorable.

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

A letter of denial has been sent to the applicant.

W. H. King

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

cc: Washington, Subj. Chron

Mining Division
Date Rec'd.
NOV 19 1951
BUREAU OF MINES
Denver, Colorado

November 16, 1951

Memorandum

To : Paul T. Allsman, Denver, Colorado

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

Subject: Final Report, DMA Docket 1237X, Harry J. Svenning's Standard Copper Prospect, Yavapai County, Ariz.

Enclosed are original and 7 copies of the above report by L. L. Farnham of the Bureau of Mines. No separate geological report will be submitted by the Geological Survey.

This report has my approval.

Brochure is enclosed.

Walter R. Storms

CC: P. T. Allsman (7)
C. A. Anderson
DMA-1237X
DF

WRStorms:als

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMA-1237X - Harry J. Svenning's Standard Copper Prospect

Blue Tank Mining District, Yavapai County, Arizona

L. L. Farnham, Mining Engineer
U. S. Bureau of Mines

November 1951

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SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By L. L. Farnham[1]

In May 1951, Harry J. Svenning of Los Angeles, Calif. applied to the Defense Minerals Administration for an exploration loan amounting to $6,000. The purpose of this loan was to sink a shaft to a depth of 100 feet and do some drifting on a narrow copper-bearing quartz vein. The application was docketed as DMA-1237X.

The property, known as the Standard group, is about 6 miles northeast of Wickenburg, Ariz.

The deposit consisted of a minor quartz-filled fracture with an average width of not more than 6 inches. A small amount of oxide copper minerals occured in isolated spots along the outcrop of the quartz. The sampling of these better spots showed insufficient copper to constitute ore. The amount and extent of the mineralization was so limited that the property does not appear worthy of further exploration.

1/ Mining Engineer, U. S. Bureau of Mines

Engineering

HARRY J. SVENNING'S STANDARD COPPER PROSPECT
BLUE TANK MINING DISTRICT, YAVAPAI COUNTY, ARIZONA
DMA-1237X

Engineering Report

By L. L. Farnham
Mining Engineer
U. S. Bureau of Mines

November 1951

HARRY J. SVENNING'S STANDARD COPPER PROSPECT
BLUE TANK MINING DISTRICT, YAVAPAI COUNTY, ARIZONA
DMR-1237X

CONTENTS

Engineering Report	Page
Introduction	1
Acknowledgments	1
Location and physical features	1
History and production	1
Ownership and extent	2
Description of the deposit	2
Ore reserves	3
Present status	3
Conclusions and recommendations ...	4

INTRODUCTION

This report describes the results of the field examination of the Standard Copper prospect made in connection with the loan application of Harry J. Svenning of Los Angeles, California, to the Defense Minerals Administration, DMA Docket 1237X. The Standard mine is situated in Yavapai County, Ariz. The writer visited the property on October 31, 1951. The applicant requested an exploration loan amounting to $6,000 which was to be used for shaft sinking and drifting on a narrow copper-bearing quartz vein.

ACKNOWLEDGMENTS

Thanks are due H. J. Svenning, the applicant, for his help during the examination.

LOCATION AND PHYSICAL FEATURES

The Standard property, located in the foothills of the Wickenburg mountains, is about 6 miles northeast of the town of Wickenburg, Ariz. The claims are reached over the Constellation road that leaves U. S. Highway 60 - 70 about one-half mile south of the center of Wickenburg. The last mile of the road into the property branches from the Constellation road at a point about 5 miles from Wickenburg. This side road is designated by an arrow, marked "Standard".

The relief of the area surrounding the claims is moderate with the low rolling hills reaching altitudes of about 3,000 feet above sea level.

HISTORY AND PRODUCTION

The claims were located by the applicant in 1938. The production from the property, if any, was limited to a few tons of hand-sorted copper ore.

OWNERSHIP AND EXTENT

The property consists of a group of 3 unpatented lode claims, known as the Standard, Horseshoe and Golden Anchor. They are held under location by the applicant.

DESCRIPTION OF THE DEPOSIT

Oxide copper minerals occur sporadically in narrow quartz lenses that occupy minor fractures in granitic rocks. The outcrop of the principal fracture was traceable for a distance of about 250 feet and although it occasionally attained a width of over 12 inches, the average thickness of the quartz would not exceed 6 inches. Chrysocolla, the principal copper mineral, appeared to be the most abundant within the wider quartz lenses. On the largest and most favorable appearing lense, a vertical shaft followed the fracture to a depth of 14 feet where it had exposed the vein for about 9 feet along the strike.

The quartz was 16 inches wide on the south end of the shaft but pinched to a thin barren fracture before it reached the north end of the excavation. Quartz stringers ranging in width from 1 to 3 inches marked the continuation of the outcrop for about 50 feet north of the shaft.

Another copper stained quartz lense, attaining a maximum thickness of 10 inches, was exposed in a shallow cut about 700 feet northeast of the shaft. There the mineralized outcrop was apparently limited to a length of less than 50 feet.

ORE RESERVES

Four samples were cut in the better mineralized portions of the vein. A grab sample also was taken from a pile of selected ore that contained in the neighborhood of 1.5 tons. This ore had been carefully sorted from the material removed in the sinking of the 14-foot shaft. The assay results of the samples were as follows:

Location	Width	Ounces per ton Gold	Ounces per ton Silver	Percent Copper
Trench - 150 feet south of shaft	6 inches	Trace	0.2	0.04
Bottom of shaft-south end.	16 inches	Trace	0.2	2.68
Bottom of shaft-north end.	5 inches	0.005	0.3	2.42
Grab of selected ore from shaft	-	0.005	0.2	3.51
Open cut - 700 feet north of shaft	9 inches	0.07	0.2	0.93

It is apparent from a consideration of the widths of the vein and its metal contents that no mineable ore reserves were evident on the property.

PRESENT STATUS

The present exploration is confined to 4 shallow cuts along the outcrop and a 14-foot shaft. It was proposed in the loan application to sink this shaft to a depth of 100 feet where some drifting might be advisable. Another quartz veinlet, from one to two inches thick, outcrops about 20 feet east of the shaft. It was the hope of the applicant that this veinlet would intersect the shaft fracture at a depth of 100 feet. As the fractures appeared parallel and both had almost vertical dips, there seemed to be little liklehood that they would ever join.

The equipment owned by the applicant consisted of a few pieces of hand steel, a blacksmithing outfit, and some miscellaneous small tools.

The cost of the proposed exploration as shown in the application was estimated as $6,000. It would seem that this sum would prove inadequate to equip the property and carry out the proposed underground work.

The applicant was under the impression that the rental allowance on his equipment (as mentioned before), together with his personal services, would constitute his share of the cost of the proposed exploration.

CONCLUSIONS AND RECOMMENDATIONS

On the Standard property minor amounts of oxide copper minerals were occasionally exposed along the course of a narrow quartz-filled fracture. The bulk of the copper mineralization was confined to 3 short isolated quartz lenses that had an average thickness of about 6 inches. Nothing approaching an ore deposit was in evidence nor were there any indications that further exploration would be warranted.

Therefore it is recommended that the application for a loan be denied.

22h New Customhouse
Denver 2, Colorado

November 26, 1951

Mr. Harry J. Svensing
229 No. Manhattan Street
Los Angeles, California

Re: DMA Docket 12371

Dear Mr. Svensing:

Your application for a loan to explore the Standard Copper Prospect Mine has been reviewed by the Defense Minerals Administration. We have a report of a field examination made on your property to help us in judging your application.

On the basis of this report we must conclude that the chances of finding any significant tonnage of mineable copper ore are unfavorable. The prospect is in narrow quartz lenses occupying minor fractures in granitic rocks. The outcrop of the principal fracture can be traced about 250 feet with an average thickness of 6 inches. The weighted average of two samples taken at the bottom of the prospect shaft was 2.62 per cent copper over an average width of 10½ inches. Under these circumstances the expenditure of public funds for your proposed exploration is unwarranted and we regret that your application must be denied.

We wish to thank you for bringing the property to our attention. Enclosed is the original copy of your application.

Yours very truly,

J. H. East, Jr.
Executive Officer
DMA Field Team, Region IV

Enclosure

WEBisfwo

CC: DMA docket, chron
Kopchanya
~~[illegible]~~
Storms
John N. Smith, Acting Chief,
Administrative Management Div.

Mining Division
Region IV

November 26, 1951

Memorandum

To: DMI Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMI Docket 18371, Harry J. Swanning, applicant; Standard Copper Prospect, Navajo County, Arizona

The application of the subject docket was for an exploration loan of $6,000.

The purpose of this loan was sinking the present 25 feet exploratory shaft an additional 75 feet to intersect the junction of two veins which are 10 feet apart on the surface with an unspecified amount of drifting.

The prospect is in narrow quartz lenses occupying minor fractures in granite rocks. The outcrop of the principal fracture can be traced about 250 feet with an average thickness of 6 inches. Mineralization consists principally of chrysocolla. The weighted average of two samples at the bottom of the exploratory shaft was 2.68 per cent copper over an average width of 10.5 inches. A grab sample of selected ore from the shaft assayed 3.51 per cent copper. Two other samples from trenches and open-cuts assayed less than 1.0 per cent copper.

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

A letter of denial has been sent to the applicant.

W. H. King

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

WHKing:Rm
cc: Kochmann, Subj, Green

Mining Division
Date Rec'd.
NOV 16 1951
BUREAU OF MINES
Denver, Colorado

November 16, 1951

Memorandum

To : Paul T. Allaman, Denver, Colorado

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

Subject: Final Report, DMA Docket 1237X, Harry J. Svensing's Standard Copper Prospect, Yavapai County, Ariz.

Enclosed are original and 7 copies of the above report by L. L. Farnham of the Bureau of Mines. No separate geological report will be submitted by the Geological Survey.

This report has my approval.

Brochure is enclosed.

Walter P. Storms

CC: P. T. Allaman (7)
C. A. Anderson
DMA-1237X
DF

WPStorms:als

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMA-1237X - Harry J. Svenning's Standard Copper Prospect

Blue Tank Mining District, Yavapai County, Arizona

L. L. Farnham, Mining Engineer
U. S. Bureau of Mines

November 1951

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SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By L. L. Farnham[1]

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1/ Mining Engineer, U. S. Bureau of Mines

Engineering

HARRY J. EVENNING'S STANDARD COPPER PROSPECT
BLUE TANK MINING DISTRICT, YAVAPAI COUNTY, ARIZONA
DMA-1237X

Engineering Report

By L. L. Farnham
Mining Engineer
U. S. Bureau of Mines

December 1951

HARRY J. SVENNING'S STANDARD COPPER PROSPECT
BLUE TANK MINING DISTRICT, YAVAPAI COUNTY, ARIZONA
DMA-1237X

CONTENTS

Engineering Report	Page
Introduction	1
Acknowledgments	1
Location and physical features	1
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INTRODUCTION

This report describes the results of the field examination of the Standard Copper prospect made in connection with the loan application of Harry J. Svenning of Los Angeles, California, to the Defense Minerals Administration, DMA Docket 1237K. The Standard mine is situated in Yavapai County, Ariz. The writer visited the property on October 31, 1951. The applicant requested an exploration loan amounting to $6,000 which was to be used for shaft sinking and drifting on a narrow copper-bearing quartz vein.

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The quartz was 14 inches wide on the south end of the shaft but pinched to a thin barren fracture before it reached the north end of the excavation. Quartz stringers ranging in width from 1 to 3 inches marked the continuation of the outcrop for about 50 feet north of the shaft.

Another copper stained quartz lense, attaining a maximum thickness of 10 inches, was exposed in a shallow cut about 700 feet northeast of the shaft. There the mineralized outcrop was apparently limited to a length of less than 50 feet.

ORE RESERVES

Four samples were cut in the better mineralized portions of the vein. A grab sample also was taken from a pile of selected ore that contained in the neighborhood of 1.5 tons. This ore had been carefully sorted from the material removed in the sinking of the 14-foot shaft. The assay results of the samples were as follows:

Location	Width	Ounces per ton Gold	Silver	Percent Copper
Trench - 150 feet south of shaft	6 inches	Trace	0.2	0.04
Bottom of shaft-south end.	16 inches	Trace	0.2	2.68
Bottom of shaft-north end.	5 inches	0.005	0.3	2.42
Grab of selected ore from shaft	-	0.005	0.2	3.51
Open cut - 700 feet north of shaft	9 inches	0.07	0.2	0.93

It is apparent from a consideration of the widths of the vein and its metal contents that no mineable ore reserves were evident on the property.

PRESENT STATUS

The present exploration is confined to 4 shallow cuts along the outcrop and a 14-foot shaft. It was proposed in the lease application to sink this shaft to a depth of 100 feet where some drifting might be advisable. Another quartz veinlet, from one to two inches thick, outcrops about 20 feet east of the shaft. It was the hope of the applicant that this veinlet would intersect the shaft fracture at a depth of 100 feet. As the fractures appeared parallel and both had almost vertical dips, there seemed to be little liklehood that they would ever join.

The equipment owned by the applicant consisted of a few pieces of hand steel, a blacksmithing outfit, and some miscellaneous small tools.

The cost of the proposed exploration as shown in the application was estimated as $6,000. It would seem that this sum would prove inadequate to equip the property and carry out the proposed underground work.

The applicant was under the impression that the rental allowance on his equipment (as mentioned before), together with his personal services, would constitute his share of the cost of the proposed exploration.

CONCLUSIONS AND RECOMMENDATIONS

On the Standard property minor amounts of oxide copper minerals were occasionally exposed along the course of a narrow quartz-filled fracture. The bulk of the copper mineralization was confined to 3 short isolated quartz lenses that had an average thickness of about 6 inches. Nothing approaching an ore deposit was in evidence nor were there any indications that further exploration would be warranted.

Therefore it is recommended that the application for a lease be denied.

STANDARD FORM No. 14
APPROVED BY THE PRESIDENT
MARCH 10, 1926

TELEGRAM

OFFICIAL BUSINESS—GOVERNMENT RATES

FROM Walter R. Storms

BUREAU of Mines

CHG. APPROPRIATION Full Rate

Tucson, Arizona. October 29, 1951

U. S. GOVERNMENT PRINTING OFFICE 10—1723

Phoned 4.18 p.m. frj

Mr. Henry J. Svenning
229 North Manhattan Place
Los Angeles, Calif.

Re DMA Docket 1237X our engineer available to examine your Standard mine in Yavapai County, Arizona. Wire if you can meet our man at Double J auto court in Wickenburg Wednesday morning.

Walter R. Storms

CC Confirmation
P. T. Allsman
C. A. Anderson
1237X
DF

WRStorms:frj

Mining Division
Date Rec'd.

NOV 1 - 1951

BUREAU OF MINES
Denver, Colorado

224 New Customhouse
Denver 2, Colorado

October 25, 1951

Memorandum

To: W. R. Storms (with brochure)

(Through Chief, Mining Division, Region IV)

C. A. Anderson

From: DMA Field Team, Region IV

Subject: DMA Docket 1237X, Harry J. Swanning, applicant, Standard Copper - Lead Mine, Yavapai County, Arizona

Enclosed herewith is the application of the subject docket and a review by the Coordinating Committee for an exploration loan of $6,000.

The proposed project consists of sinking the present 25-foot prospect shaft to 100 feet, with some drifting.

The geological probability of discovery, the feasibility and estimated costs of the project, and the ability of the applicant to furnish his share of the costs requires field investigation.

J. H. East, Jr.

A. H. Koschmann

WDM:oj
cc: DMA subject, chron.
AHKoschmann

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

November 26, 1951

Memorandum

To: DMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMA Docket 1237X, Harry J. Svenning, applicant; Standard Copper Prospect, Yavapai County, Arizona

The application of the subject docket was for an exploration loan of $6,000.

The purpose of this loan was sinking the present 25 foot exploratory shaft an additional 75 feet to intersect the junction of two veins which are 10 feet apart on the surface with an unspecified amount of drifting.

The prospect is in narrow quartz lenses occupying minor fractures in granite rocks. The outcrop of the principal fracture can be traced about 250 feet with an average thickness of 6 inches. Mineralization consists principally of chrysocolla. The weighted average of two samples at the bottom of the exploratory shaft was 2.62 per cent copper over an average width of 10.5 inches. A grab sample of selected ore from the shaft assayed 3.51 per cent copper. Two other samples from trenches and open-cuts assayed less than 1.0 per cent copper.

In view of the narrow width of the veins and the low copper content the geological probability of the discovery of mineable ore reserves are unafavorable.

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

A letter of denial has been sent to the applicant.

W. H. King

W. H. King, for
P. T. Allsman

Mining Division
Date Rec'd.

NOV 19 1951

BUREAU OF MINES
Denver, Colorado
TUCSON, ARIZONA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Arizona-New Mexico Branch
[redacted]
Box 4097
UNIVERSITY STATION

MINING DIVISION
REGION IV

November 16, 1951

Memorandum

To : Paul T. Allsman, Denver, Colorado

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

Subject: Final Report, DMA Docket 1237X, Harry J. Svenning's Standard Copper Prospect, Yavapai County, Ariz.

Enclosed are original and 7 copies of the above report by L. L. Farnham of the Bureau of Mines. No separate geological report will be submitted by the Geological Survey.

This report has my approval.

Brochure is enclosed.

Walter R. Storms

Walter R. Storms

CC: P. T. Allsman (7)
C. A. Anderson
DMA-1237X
DF

FOR VICTORY
BUY
UNITED STATES SAVINGS BONDS AND STAMPS

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMA-1237X - Harry J. Svenning's Standard Copper Prospect

Blue Tank Mining District, Yavapai County, Arizona

L. L. Farnham, Mining Engineer
U. S. Bureau of Mines

November 1951

alm

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By L. L. Farnham 1/

In May 1951, Harry J. Svenning of Los Angeles, Calif. applied to the Defense Minerals Administration for an exploration loan amounting to $6,000. The purpose of this loan was to sink a shaft to a depth of 100 feet and do some drifting on a narrow copper-bearing quartz vein. The application was docketed as DMA-1237X.

The property, known as the Standard group, is about 6 miles northeast of Wickenburg, Ariz.

The deposit consisted of a minor quartz-filled fracture with an average width of not more than 6 inches. A small amount of oxide copper minerals occured in isolated spots along the outcrop of the quartz. The sampling of these better spots showed insufficient copper to constitute ore. The amount and extent of the mineralization was so limited that the property does not appear worthy of further exploration.

1/ Mining Engineer, U. S. Bureau of Mines

Engineering

HARRY J. SWENNING'S STANDARD COPPER PROSPECT
BLUE TANK MINING DISTRICT, YAVAPAI COUNTY, ARIZONA
DMA-1237X

Engineering Report

By L. L. Farnham
Mining Engineer
U. S. Bureau of Mines

November 1951

HARRY J. SVENNING'S STANDARD COPPER PROSPECT
BLUE TANK MINING DISTRICT, YAVAPAI COUNTY, ARIZONA
DMA-1237X

CONTENTS

Engineering Report	Page
Introduction	1
Acknowledgments	1
Location and physical features	1
History and production	1
Ownership and extent	2
Description of the deposit	2
Ore reserves	3
Present status	3
Conclusions and recommendations ...	4

INTRODUCTION

This report describes the results of the field examination of the Standard Copper prospect made in connection with the loan application of Harry J. Svenning of Los Angeles, California, to the Defense Minerals Administration, DMA Docket 1237X. The Standard mine is situated in Yavapai County, Ariz. The writer visited the property on October 31, 1951. The applicant requested an exploration loan amounting to $6,000 which was to be used for shaft sinking and drifting on a narrow copper-bearing quartz vein.

ACKNOWLEDGMENTS

Thanks are due H. J. Svenning, the applicant, for his help during the examination.

LOCATION AND PHYSICAL FEATURES

The Standard property, located in the foothills of the Wickenburg mountains, is about 6 miles northeast of the town of Wickenburg, Ariz. The claims are reached over the Constellation road that leaves U. S. Highway 60 - 70 about one-half mile south of the center of Wickenburg. The last mile of the road into the property branches from the Constellation road at a point about 5 miles from Wickenburg. This side road is designated by an arrow, marked "Standard".

The relief of the area surrounding the claims is moderate with the low rolling hills reaching altitudes of about 3,000 feet above sea level.

HISTORY AND PRODUCTION

The claims were located by the applicant in 1938. The production from the property, if any, was limited to a few tons of hand-sorted copper ore.

OWNERSHIP AND EXTENT

The property consists of a group of 3 unpatented lode claims, known as the Standard, Horseshoe and Golden Anchor. They are held under location by the applicant.

DESCRIPTION OF THE DEPOSIT

Oxide copper minerals occur sporadically in narrow quartz lenses that occupy minor fractures in granitic rocks. The outcrop of the principal fracture was traceable for a distance of about 250 feet and although it occasionally attained a width of over 12 inches, the average thickness of the quartz would not exceed 6 inches. Chrysocolla, the principal copper mineral, appeared to be the most abundant within the wider quartz lenses. On the largest and most favorable appearing lense, a vertical shaft followed the fracture to a depth of 14 feet where it had exposed the vein for about 9 feet along the strike.

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