DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 389X

DO NOT DETACH THIS SLIP

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

This document has been recorded as

_____

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

Routing Slip

To:	Gowen	Date	6/5/51
To:	Lyon	Date	8/7/51
To:	Reports + Records	Date	8-10-51
To:		Date	
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INT.-DUP. SEC., WASH., D.C.

FILE COPY
SURNAME:

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

January 18, 1951

Sunset Mining Company
213 Minna Street
San Francisco 3, California

Re: DMA Docket No. 389
Sunset Mine
Mineral Hills District
Pinal County, Arizona

Gentlemen:

Your request for a loan under the Defense Production Act of 1950 has been given the above docket number and has been considered by the Copper Branch.

Before any further action can be taken a concrete proposal will be needed covering the following points:

a) Details of the disbursement of the loan
b) Terms of repayment of the loan
c) Production schedule
d) Details of proposed expenditures
e) Cost of production.

And information is needed on:

a) Sample data demonstrating reserves
b) Extent of underground workings presently accessible.

It should be pointed out that as yet it has not been necessary to contract for copper at over-market prices and over. In the future communications please refer to Docket No. 389.

Sincerely yours,

JKRichardson:jkd

J. K. Richardson,
Chief, Copper Branch

cc - Strobel
Copper Commodity Committee
Files

Docket 389

552

310
FILE COPY
SURNAME:

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

AUG 13 1951

Re: Docket No. DMA-389X

MEMORANDUM

To: Administrative, Management Division

From: Chairman, Copper Commodity Committee

Through: Director, Supply Division

Subject: Exploration Aid application for Copper of Mr. L. G. Bowen, 231 Grant Avenue, San Francisco 8, California. (Sunset Mining Co. Inc. DMA-389X) Commodity Copper.

Denial of this application is recommended for the following reasons:

1. The Bureau of Mines at the request of the Sunset Mining Company investigated this property in February 1943 and found that all available ore had been mined and shipped from a small ore shoot from surface to the 310 foot level, the bottom level of the mine. The property was not recommended for a Bureau of Mines project. However, in case the applicant continued operations recommendations were made for further cross cutting, drifting and shaft deepening.

2. The property was revisited again on July 19, 1944 at the request of the company and investigation showed that the proposed drifting and cross cutting produced no great evidence of copper even though the crosscut went through the Stanley vein and the drift followed the Sunset vein. There was no indication that further drifting on the Stanley and Sunset veins would open up copper shoots of significant size and value. From this it was recommended that no expenditure on the property be made by the Bureau of Mines.

3. The owner apparently found nothing worth sampling in deepening the shaft and drifting on the 500 foot level.

4. The owner was willing to sign a lease option after starting negotiations for Government assistance.

A letter has been prepared for signature of the Director, Supply Division, informing the applicant of the denial.

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

3 Forms MP-103.
4 Sets of Exhibits to Accompany Form MP-103 - one set is made up only of sheet one and two.
1 DMA Referral of Application for Government Aid.
2 DMA Review of Application for Exploration Assistance each having sheet one and four of four pages and one page of comments.
1 Lease agreement.
1 Copy of Information Submitted with Request for Loan Under DPA of 1950.
1 Sheet of pertinent data written on Roger Smith Hotel paper.
1 Report of Preliminary Examination of the Sunset Mine by Mr. Addison H. Clark.
1 Magma Copper Company Mine assay certificate for the Sunset Mine.
2 Carbon copies of letter from Mr. J. T. Richardson to Operating Committee, January 19,1951.
Sunset Mining Company, January 18, 1951.
2 Original letters from Mr. J. B. Bowen to:
Mr. J. B. Bowen, May 31, 1951.
Mr. J. B. Bowen, July 26, 1951.
1 Carbon copy of letter from Mr. J. B. Bowen to Francis L. Cross, May 11, 1951 with accompanying carbon copy of a letter of Mr. F. L. Cross to U. S. Department of Interior, Defense Minerals Administration, April 5, 1951.
1 Carbon copy of letter from Mr. L. F. Strobel to Mr. J. B. Bowen, June 18, 1951.
1 Original letter from Mr. R. L. May to Mr. Lamon F. Strobel, July 17, 1951.

J. B. Bowen, Chief
Copper Branch

Enclosures

Copy to: Reports and Records Branch
Executive Officer, Region III
J. B. Bowen
C. H. Johnson
D. Mac Laren
Files-DMA Docket

Approved:

Tom Lyon

JF 8/13

Director, Supply Division

Rwaugh : pk
8/9/51

AUG 1 3 1951

Re: Docket No. DMA-389X

MEMORANDUM

To: Administrative, Management Division

From: Chairman, Copper Commodity Committee

Through: Director, Supply Division

Subject: Exploration Aid application for Copper of Mr. E. G. Bowen, 231 Grant Avenue, San Francisco 8, California. (Sunset Mining Co. Inc. DMA-389X) Commodity Copper.

Denial of this application is recommended for the following reasons:

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3. The owner apparently found nothing worth sampling in deepening the shaft and drifting on the 500 foot level.

4. The owner was willing to sign a lease option after starting negotiations for Government assistance.

A letter has been prepared for signature of the Director, Supply Division, informing the applicant of the denial.

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1 Lease agreement.
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Sunset Mining Company, January 18, 1951.
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1 Carbon copy of letter from Mr. J. B. Gowen to Francis L. Cross, May 11, 1951 with accompanying carbon copy of a letter of Mr. F. L. Cross to U. S. Department of Interior, Defense Minerals Administration, April 5, 1951.
1 Carbon copy of letter from Mr. L. F. Strobel to Mr. E. G. Bowen, June 18, 1951.
1 Original letter from Mr. W. C. Kay to Mr. Landon F. Strobel, July 17, 1951.

J. B. Gowen, Chief
Copper Branch

Enclosures

Copy to: Reports and Records Branch
Executive Officer, Region III
J. B. Gowen
C. H. Johnson
D. Mac Laren
Files-DMA Docket

Approved:

Tom Lyon

Director, Supply Division

310 FILE COPY
SURNAME:

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

AUG 13 1951

a.e.c.

Gowen
MacLaren
Johnson

Mr. E. G. Bowen
321 Grant Avenue
San Francisco 8, California

Re: Docket No. DMA-389K

Dear Mr. Bowen:

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

On the basis of data submitted with your application and the data available to the Government it is evident that there is not sufficient ore showing in the mine to justify a $100,000.00 loan nor apparently would additional exploration develop sufficient reserves to form the basis of an economic mining operation.

The results of past exploration work on the 300 and 500 levels do not encourage belief that there will be any improvement at further depth, or that the further sinking of the shaft is justified. There has been submitted no evidence that the Stanley vein has produced commercial grade ore or that ore shoots exist at depth.

This will acknowledge your letter of July 26, 1951, addressed to Mr. J. B. Gowen which was received while your application was being processed.

Very truly yours,

Tom Lyon

JF 8/13

Tom Lyon, Director
Supply Division

RVWaugh:ez
8/7/51
Copy to: Reports and Records Branch
Executive Officer, Region IV
Mr. J. B. Gowen, 2612
Mr. D. MacLaren,
Mr. C. H. Hohnson, 3619
Files-DMA Docket

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

AUG 13 1951

Q.E.C.

Re: Docket No. DMA-389X

MEMORANDUM

To: Administrative, Management Division

From: Chairman, Copper Commodity Committee

Through: Director, Supply Division

Subject: Exploration Aid application for Copper of Mr. E. G. Bowen, 231 Grant Avenue, San Francisco 8, California. (Sunset Mining Co. Inc. DMA-389X) Commodity Copper.

Denial of this application is recommended for the following reasons:

1. The Bureau of Mines at the request of the Sunset Mining Company investigated this property in February 1943 and found that all available ore had been mined and shipped from a small ore shoot from surface to the 310 foot level, the bottom level of the mine. The property was not recommended for a Bureau of Mines project. However, in case the applicant continued operations recommendations were made for further cross cutting, drifting and shaft deepening.

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3. The owner apparently found nothing worth sampling in deepening the shaft and drifting on the 500 foot level.

4. The owner was willing to sign a lease option after starting negotiations for Government assistance.

A letter has been prepared for signature of the Director, Supply Division, informing the applicant of the denial.

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

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1 Original letter from Mr. W. C. Kay to Mr. Landon F. Strobel, July 17, 1951.

J B Gowen

J. B. Gowen, Chief
Copper Branch

Enclosures --

Approved:

Tom Lyon

Director, Supply Division

FILE COPY
SURNAME:

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

June 18, 1951

Mr. E. G. Bowen
Operator
Sunset Mining Company, Inc.
213 Minna Street
San Francisco 3, California

Subject: DMA-389X
Re: Exploration Loan
Sunset Mine

My dear Mr. Bowen:

Receipt is acknowledged of your application and attachments of May 26, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-389X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on June 5, 1951.

In any future correspondence relating to your application, kindly refer to DMA-389X.

Sincerely yours,

LANDON F. STROBEL
js

Landon F. Strobel
Executive Secretary

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

FILE COPY
SURNAME:

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

May 11, 1951

Re: Docket No. DMA-389

Mr. Francis L. Cross
Cross & Brandt, Attorneys at Law
Suite 1333
111 Sutter Street
San Francisco, California

Dear Mr. Cross:

This is to acknowledge your letter of April 5, 1951 in which you supplied us with additional information in answer to Mr. Richardson's letter to you dated January 18, 1951. The information you submitted did not include a concrete proposal as requested by Mr. Richardson. A formal application for a loan should be made. You do not state the amount of the desired loan in your application, or the cost of individual items for which this loan is to be used.

You state in your letter that sample data demonstrating reserves cannot be given at this time because the workings are under water. This information is very necessary if a production loan is desired, because the known ore reserves must be of a sufficient amount and grade to liquidate the loan.

With the information that you have submitted, and other information available on the Sunset Mine, the Copper Branch of the Defense Minerals Administration believe that it falls into the category of an exploration project.

Since last writing to you the Government has put into effect a program to aid exploration projects. The enclosed copy of a press release dated April 11, 1951, and the pertinent regulations, Form MO-5 describe this program. A set of required forms is also enclosed in case you desire to file an application for exploration aid.

We wish to thank you for your interest in the copper program.

Copy to: Executive Secretary WCI
Copper Branch WCI
Files

Very truly yours,

J. B. Gowen

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

Enclosures
JWAlt:bsl

DM - 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 4/12/50

REFERRED TO:

1. Mr Dorman
2.
3.
4.

Room 3625

FOR:

_____ Action

_____ Approval

_____ Comment

_____ Recommendation

_____ Reply for signature of _____

✓ Your information

REMARKS:

Ltr of Jan. 18 written by Mr. Richardson

Return original letter to Mr. Strobel

Check (X) before the items needing attention.

LANDON F. STROBEL LFS

Initials of sender.

Interior - Bureau of Mines, Pittsburgh, Pa.

LANDON F. STROBEL

R. H. CROSS
ARTHUR H. BRANDT (1883-1948)
FRANCIS L. CROSS
RALPH H. CROSS, JR.
ROBERT C. HAYS

CROSS & BRANDT
ATTORNEYS AT LAW
SUITE 1333
ONE ELEVEN SUTTER STREET
SAN FRANCISCO 4
TELEPHONE EXBROOK 2-0896

OAKLAND OFFICE
901 EASTON BUILDING
13TH AND BROADWAY
OAKLAND 12
TELEPHONE TEMPLEBAR 2-4361

answered 5/11/51
JBB: bel

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D.C.
APR 11 9 03 AM '51

April 5, 1951

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

Re: DMA Docket No. 389; Sunset Mine; Mineral Hills District; Pinal County, Arizona

Gentlemen:

In reply to yours of January 18th, 1951, we wish to give you the following information. We realize that the information contained in the original application and the information contained herein will ultimately have to be substantiated by a competent mining engineer. The Sunset Mining Company has not at this time sufficient working capital to acquire the services of such person. We answer your request for information as follows:

a) The loan would be used to rent a 500 foot compressor, the purchase of a larger hoist and a larger sump pump and would also be used for funds necessary for a payroll including an experienced superintendent.

b) It would be proposed that any loan granted would be repaid out of production, viz. 50% of the net on the ore. The balance of the net on the ore going to working capital only until the loan is repaid.

c) The production schedule would be to continue the 310 foot drift and also the 600 foot drift and to ship copper-gold ore and diamond drill to locate sulphide zone which competent engineers have stated will be contacted within 200 feet from the bottom of the 600 foot shaft.

d) Has been answered.

e) It is estimated the cost of production would be from $10.00 to $12.00 per ton.

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

As for added information:

a) Sample data demonstrating reserves cannot be given at this time inasmuch as the workings are under water.

b) The extent of underground workings presently accessible are five drifts from the surface down. Water is up to the 300 foot level at the present time. With the new compressor and sump pump, the owners are satisfied that they can de-water the mine within three weeks time after starting with only three men. In 1941, the mine was unwatered from the 170 foot to the 300 foot level in two weeks time with inadequate equipment.

Very truly yours,

Francis L. Cross

Francis L. Cross
for Sunset Mining Company

FC:lct

FILE COPY
SURNAME:

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

January 19, 1951

Memorandum S. H. Wallestad

To: Operating Committee

Re: DMA - 389
Sunset Mine, Arizona

From: Copper Committee

This application consists of a description of the property and work recommended in 1944. It can be inferred that a $50,000 loan is contemplated but no concrete proposal is made. The application is unsigned and undated.

We recommend the dispatch of the attached letter requesting more information.

J. E. Richardson
Chairman, Copper Committee

GKR:apd

Cc - Mr. Strobel - 4623
Operating Committee (2)
Copper Commodity Committee - 3425
Files

APPROVED:

C. O. Mittendorf

J. H. Hedges

Olaf N. Rove

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

January 19, 1951

Memorandum

To: Operating Committee

Re: DMA - 389
Sunset Mine, Arizona

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We recommend the dispatch of the attached letter requesting more information.

J. K. Richardson
Chairman, Copper Committee

Approved:

C. O. Mittendorf

J. H. Hedges

Alex Rivkin

a.E.C.

May 11, 1951

Re: Docket No. DMA-309

Mr. Francis L. Cross
Cross & Brandt, Attorneys at Law
~~SHW 1333~~
111 Sutter Street
San Francisco, California

sunset mining Co

Dear Mr. Cross:

This is to acknowledge your letter of April 5, 1951 in which you supplied us with additional information in answer to Mr. Richardson's letter to you dated January 18, 1951. The information you submitted did not include a concrete proposal as requested by Mr. Richardson. A formal application for a loan should be made. You do not state the amount of the desired loan in your application, or the cost of individual items for which this loan is to be used.

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We wish to thank you for your interest in the copper program.

Copy to: Executive Secretary WCI
Copper Branch WCI
Files

Very truly yours,

J. B. Gowen

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

Enclosures
JWAlt:bsl

CROSS & BRANDT
ATTORNEYS AT LAW
Suite 1333
One Eleven Sutter Street
San Francisco 4
Telephone EX Brook 2-0896

April 5, 1951

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

Re: DMA Docket No. 389; Sunset Mine; Mineral Hills District; Pinal County, Arizona

Gentlemen:

In reply to yours of January 18th, 1951, we wish to give you the following information. We realize that the information contained in the original application and the information contained herein will ultimately have to be substantiated by a competent mining engineer. The Sunset Mining Company has not at this time sufficient working capital to acquire the services of such person. We answer your request for information as follows:

a) The loan would be used to rent a 500 foot compressor, the purchase of a larger hoist and a larger sump pump and would also be used for funds necessary for a payroll including an experienced superintendent.

b) It would be proposed that any loan granted would be repaid out of production, viz. 50% of the net on the ore. The balance of the net on the ore going to working capital only until the loan is repaid.

c) The production schedule would be to continue the 310 foot drift and also the 600 foot drift and to ship copper-gold ore and diamond drill to locate sulphide zone which competent engineers have stated will be contacted within 200 feet from the bottom of the 600 foot shaft.

d) Has been answered.

e) It is estimated the cost of production would be from $10.00 to $12.00 per ton.

As for added information:

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owners are satisfied that they can de-water the mine within three weeks time after starting with only three men. In 1941, the mine was unwatered from the 170 foot to the 300 foot level in two weeks time with inadequate equipment.

Very truly yours,

/s/ Francis L. Cross

Francis L. Cross
for Sunset Mining Company

FC:lct

LANDON F. STROBEL

R. H. CROSS
ARTHUR H. BRANDT (1883-1945)
FRANCIS L. CROSS
RALPH H. CROSS JR.
ROBERT C. HAYS

CROSS & BRANDT
ATTORNEYS AT LAW
SUITE 1335
ONE ELEVEN SUTTER STREET
SAN FRANCISCO 4
TELEPHONE EXBROOK 2-0686

OAKLAND OFFICE
901 EASTON BUILDING
13TH AND BROADWAY
OAKLAND 12
TELEPHONE TEMPLEBAR 2-4961

April 5, 1951

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D.C.
APR 11 9 03 AM '51

4/12/51
Lower
Info.

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

Re: DMA Docket No. 389; Sunset Mine; Mineral Hills District; Pinal County, Arizona

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Very truly yours,

Francis L. Crosby

Francis L. Crosby
for [illegible] Mining Company

FC:lct

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 1 2 1951
LANDON F. STROBEL
Executive Secretary

Clair Engle
1st District, California

Home Address
Red Bluff, California

Office Address
House Office Building

Congress of the United States
House of Representatives
Washington, D. C.

LANDON F. STROBEL
Chairman
Subcommittee
Public Lands

Committees
Mines and Mining
Irrigation and Reclamation

BUREAU OF MINES
WASHINGTON, D. C.
26 12 22 AM '51

February 23, 1951

Dr. James Boyd
Defense Minerals Administration
Bureau of Mines
Washington, D. C.

Dear Dr. Boyd:

Reference is made to a loan application filed in December by Mr. J. H. Goodwin of Greenville, California, in behalf of the Sunset Manganese Mining claims, Plumas County, California.

I will appreciate it if you will give me a status report on the application at your earliest convenience.

Sincerely yours,

CLAIR ENGLE, M. C.

2/26/51
Mr. Lyons
action

DMA 389

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

January 19, 1951

Memorandum

To: Operating Committee

From: Copper Committee

Re: DMA - 389
Sunset Mine, Arizona

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We recommend the dispatch of the attached letter requesting more information.

J. K. RICHARDSON

J. K. Richardson
Chairman, Copper Committee

JKR:apd

Cc - Mr. Strobel - 4623
Operating Committee (2)
Copper Commodity Committee - 3425
Files

APPROVED:

C. O. MITTENDORF

C. O. Mittendorf

J. H. Hedges

J. H. Hedges

Olaf N. Rove

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

January 18, 1951

Sunset Mining Company
213 Minna Street
San Francisco 3, California

Re: DMA Docket No. 389
Sunset Mine
Mineral Hills District
Pinal County, Arizona

Gentlemen:

Your request for a loan under the Defense Production Act of 1950 has been given the above docket number and has been considered by the Copper Branch.

Before any further action can be taken a concrete proposal will be needed covering the following points:

a) Details of the disbursement of the loan
b) Terms of repayment of the loan
c) Production schedule
d) Details of proposed expenditures
e) Cost of production.

And information is needed on:

a) Sample data demonstrating reserves
b) Extent of underground workings presently accessible.

It should be pointed out that as yet it has not been necessary to contract for copper at over-market prices and over. In the future communications please refer to Docket No. 389.

Sincerely yours,

J. K. RICHARDSON

J. K. Richardson,
Chief, Copper Branch

JKRichardson:jkd

cc - Strobel
Copper Commodity Committee
Files

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA - 389 X

Commodity Copper

Total Amount $100,000.00

Govt. Participation 50%

1. Name and Address of Applicant E. G. Bowen, 321 Grant Avenue San Francisco 8, California

2. Location of Property Mineral Hill Mining District, Pinal County, Arizona - Sunset Mine

3. Mineral or metal Copper 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 ✓ See attachment

d) Don't know—needs field examination

e) Is there an alternative and favorable project? No
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated?
(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

Attachment. DMA 389-X

Bureau of Mines examined this property in February 1943. They found all ore had been mined and shipped from a small ore shoot from surface to 310 level, the bottom level of the mine.

The property was not recommended for a Bureau project, but following recommendations were made to owner:

1) Continue crosscut on the 310 level to cut Stanley vein.
2) Advance north and south drifts on 310 level.
3) Sink shaft another 100 feet.

Bureau again visited in June 1944, and found

1) Crosscut had intersected a 2 ft. vein and narrow, red, iron stained gouge seam, probably the Stanley. Assay: 0'-1' from H.W. 0.07 % Cu
1'-3' " " 0.05 % Cu

2) South drift had reached 162 ft from shaft. No copper stains or sulfides were in evidence. Sampled at 130 ft. 0'-2' from HW 4.37 % Cu
2'-3½' " " 0.07 % Cu

3) No other work had been undertaken

Applicant states: (He signed lease-option with owner (original applicant) May 6, 1951

1) Owner has sunk shaft to the 600 level (200 ft more than BM recomend. 3)
2) He is told that they drifted about 100 ft SE on vein at 500 level, but did not, in his opinion, go far enough to pick up ore on side of the shoot.

Letter of April 5, 1951 signed by Dennis L. Cooes attorney:

Mentions intent to extend 310 and 600 drifts; also that sample data (of work done since BM visit) can not be furnished as shaft is flooded.

(over)

Conclusions:

In view of findings of BM, the results of work suggested by them and the fact that the owners found nothing that they would sample (apparently) by deepening shafts and drifting on 600 (500?) level, and were willing to sign a lease-option after starting negotiations for government assistance, I feel this is less than a poor prospect, and no assistance should be granted

L P MacKaron

14. Exhibit E (question 23-c)*

a) Is it applicable?_____

b) Sufficient data?_____

c) Reasonable?_____

d) Field check needed?_____

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

(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?_____

Reviewed by: J. B. Sowers

D. R. McLeod

Date 6/18/57

97692

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-389 X

Date received 6/1/51

Participation

D. G. Bowen, Operator,
321 Grant Avenue,
San Francisco,8, California.

Name and address of applicant

Date May 28,1951

FILL IN THIS BLOCK

Date of application May 28,1951 Estimated cost $100,000.00

Mineral or metal Copper, (about 90% of total value, au. & ag.about 10%) Percentage of Government participation 50%

Location of mine Mineral Hill Mining District,Pinal Co. Arizona,about 5 mi. northeasterly of Price,a station of Arizona Eastern RR. About 18 mi. southwesterly (by good county road) from Superior Arizona

Date of filing MF-100 Filing not necessary DMA Docket Number, if available DMA 389 X

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*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. See Exhibit (A)attched hereto

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7. If lessee, attach a copy of the lease and state if it is in good standing. Contract in good standing. Exhibit

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. Exhibit "C"

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)? $50,000.00. This is estimated as sufficient to pay my 50% of the total costs ,with margin of safety,to place property in production of 100 tons of shipping ore per day.

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

16—64067-1

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

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*11. State the present and former names of the property, if any. Sunset Mine, none other
*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. See Exhibit "B" attached hereto
*13. State source and quantity of water available for operations and its sufficiency at all seasons. Mine water, all State amount of power to be used, rate per hour or other cost, and source. Exhibit "H" Exhibit "H"
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15. State in detail how the ore could be shipped and how and where milled. Exhibit "I"
*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. Exhibit "J" (a)
    (*b*) State briefly the known history and production of adjoining and neighboring properties. Ex. "J" (b)
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. Ex. "J" (c)
*17. Production:
    (*a*) If mine is in production, furnish the following information: Been closed down 5 years.

	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. No blocked out ore, but several faces
    (*a*) Describe the ore or mineral deposits briefly. Ex. "K". (on which to work in ore.
    (*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. Statement 19, covering this point.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Lode copper
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. Statement 21

    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. Exhibit "L" (a)
    (*b*) Supervisors, by numbers and positions, with salaries of each. Ex. "L" (b)
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings. Ex. "L" (c)
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    (*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. Ex. "L" (e)
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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. Exhibit "M"

CERTIFICATION

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

(Name of company)	By E. G. Bower (Signature of authorized official)
(Date)	Operator (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

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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DO NOT FILL IN THIS BLOCK

Docket No. Dma - 389 X

Date received 6/1/51

Participation

E. G. Bowen, Operator,
321 Grant Avenue,
San Francisco,8, California.

Name and address of applicant

Date May 28,1951

FILL IN THIS BLOCK

Date of application May 28,1951 Estimated cost $100,000.00

Mineral or metal Copper, (about 90% of total value, au. & ag.about 10%) Percentage of Government participation 50%

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By E. G. Power (Signature of authorized official)

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Operator (Title)

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

(Name of company)	By E. G. Brown (Signature of authorized official)
(Date)	President (Title)

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*Same as footnote on page 1.

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

COPY COPY

AGREEMENT

THIS AGREEMENT, made and entered into this 7th day of May, 1951, by and between W. O. ROY, a single man, of San Francisco, California, Party of the First Part, and E. C. DOHNI, of the same place, Party of the Second Part,

WITNESSETH:

WHEREAS, the First Party owns and controls certain stock in SUNSET MINING COMPANY, a California Corporation; and

WHEREAS, said corporation is the owner of record of certain lode mining claims located in Pinal County, State of Arizona; and

WHEREAS, First Party desires to sell and Second Party desires to purchase the property hereinafter described, upon the terms set out herein; and

WHEREAS, the said First Party can and does control sufficient stock in said corporation to vote the power to sell said real property, upon terms satisfactory to said First Party and said corporation.

NOW, THEREFORE, it is mutually agreed as follows: That First Party will sell to Second Party, and Second Party will purchase from First Party the property hereinafter described, situated in Pinal County, State of Arizona, upon the following terms and conditions:

Said First Party agrees to sell, convey and transfer, or cause to be conveyed and transferred to Second Party by a merchantable title, free from encumbrances, and Second Party agrees to purchase the following described unpatented lode mining claims located and being in the Mineral Hills Mining District and county aforesaid:

Eight (8) lode mining claims, namely, Sunset No. 5, Sunset No. 6, Sunset No. 7, Sunset No. 8, Sunset No. 9, Sunset No. 10, Sunset No. 11, and Gallbach Lode Mining Claims, situate in the Mineral Hills Mining District.

That the total purchase price of said property is Two Hundred Fifty Thousand ($250,000.00) Dollars, payable as follows:

Ten (10%) per cent royalty of the net smelter returns from ore produced from said property. The total purchase price to be paid on or before ten (10) years from date hereof, from royalty of the ore produced, or otherwise.

The said Second Party shall instruct the smelter that buys the ore produced from said property to furnish First Party a duplicate copy of all smelter returns and mail to said First Party at his office in San Francisco, California, or the office of Sunset Mining Company at 215 Minna Street, San Francisco, California, its check for ten (10%) per cent of the said net smelter returns. All of said payments, as received, to apply upon and be deducted from the total purchase price hereinabove stated.

That Second Party shall perform all assessment work on the unpatented mining claim now of record in the name of the owners of said property, as required by law, at Second Party's expense.

That Second Party will assume full responsibility for the financing and the performance of all development and operational work in connection with the development and operation of said real property and that said development and operational work shall be performed in accordance with standard mining practice.

After the said First Party has received payment in full of the agreed purchase price of the property, viz., Two Hundred Fifty Thousand ($250,000.00) Dollars, either from royalty of the ore produced, or otherwise, the parties hereto shall participate in the net earnings of said property in the following proportions: Thirty (30%) per cent to the First Party and seventy (70%) per cent to the Second Party.

A new corporation shall be formed by the Second Party at his expense and shall be owned seventy (70%) per cent by the

Second Party and thirty (30%) per cent by the First Party, and said ownership shall be evidenced by the delivery of said proportions of the stock of said corporation to the respective parties hereto.

Said corporation shall take title to the said property and shall agree to perform this agreement.

That the new corporation to be formed by Second Party shall be a corporation with fully paid and non-assessable stock. In no event shall First Party's thirty (30%) per cent interest in said new corporation be subject to any assessments or for financing of the development, equipment or operation of the property, or stockholders' liability for any debts incurred by said corporation.

That in the event Second Party fails to perform any of the terms of this agreement in the manner and at the times required herein, then and in that event, all sums of money theretofore paid by Second Party to First Party shall be forfeited to First Party, and this Agreement shall be terminated, and all rights of the Second Party shall terminate, and the properties the subject of this Agreement shall be immediately returned to possession of First Party, except in case of inability to perform through no fault or neglect of Second Party and for reasons beyond his control, viz.:

1) Refusal of the smelter or smelters to take the ore produced from said property;

2) Strikes or lock outs;

3) Collapse of the metal market;

4) A local, state or national emergency;

5) Acts of God.

In such case, Second Party shall have ninety (90) days to cure any default caused by the aforesaid conditions, after return of normal status of business. If this contract is cancelled or terminated

for any reason other than default of the Second Party, said Second Party shall have the right to remove all machinery or equipment from the property installed by him.

It is further agreed by the parties hereto that said Second Party shall perform a minimum of one hundred fifty (150) shifts of work per month for the first six (6) months succeeding the 1st day of June, 1951. Thereafter, Second Party agrees to advance the schedule of operations to the full, maximum, economic ability of the mine to produce. but It is anticipated by the parties hereto that such schedule of production may possibly reach a production of as much as five hundred (500) tons of ore per day, or more. If and when it is economically advisable and practical to produce such tonnage of ore, said Second Party agrees to so do, providing manpower, equipment and supplies for normal operations are available.

In case of controversy or dispute in interpreting this agreement, or any part thereof, which cannot be settled by agreement, such dispute or controversy shall be submitted to arbitration in the usual manner.

It is agreed that, subject to Government regulations, equipment and machinery shall be provided by Second Party of standard quality, in accordance with accepted methods of handling a similar operation; that the scale of operations on said property shall, within a reasonable time and provided proper equipment and labor can be obtained, reach approximately five hundred (500) tons of ore per day, if the development of ore body or bodies show that such tonnage production can properly be maintained, and providing manpower, equipment and supplies for normal operations are available.

Time is of the essence of this agreement, and the terms and conditions of this agreement shall be binding upon the heirs, assigns, executors and representatives of the parties hereto.

STATE OF CALIFORNIA)
CITY AND COUNTY OF SAN FRANCISCO) ss.

This is to certify that on this ~~xxx~~ 8th. day of May, 1951, before me, L.H. Condon, a Notary Public in and for the aforesaid State, City and County, there personally appeared before me W. O. RAY and E. W. SMITH, known to me to be the persons above named, and who acknowledged to me that they executed the foregoing Agreement, for the purposes therein stated.

IN WITNESS WHEREOF, I have hereunto set my hand and seal of office on the day and year first above written.

(Signed) L.H. Condon
NOTARY PUBLIC
in and for the City and County of San Francisco, State of California.

My Commission Expires
August 23,1951

Exhibits to Accompany Form MF 103, Docket No. DMA 389

Sunset Mines, Pinal Co. Arizona

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Sunset Mines, Pinal Co. Arizona, E.G. Bowen, Operator

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at Superior, and 20 miles beyond Superior is located the International Smelting Company's Smelter at Miami, another possible buyer of the ores of the Sunset Mines. In other words, within 18 to 45 miles from the Sunset mines, are three custom smelters that offer their facilities for the reduction of the direct smelting ores of Sunset Mines. The roads are good to excellent, and all year travel is assured.

EXHIBIT "F" .. A well in the bottom of the gulch supplies ample domestic water, and the mine furnishes 5,000 gallons per day of water, for compressor, showers, washing and other non-drinking purposes. When and if a milling plant is needed, which cannot be foreseen now, the Gila River offers plenty of water.

EXHIBIT "G" .. Operator has arranged to install 2-250 H.P. Diesel-electric power units, to supply A.C. current to the new 100 H.P. Hoist, and 1150 Cubic feet of free air per minute, to be installed as part of the program of the Operator, to increase the production of ore, in the near future to as much as 500 tons of ore per day, and at the same time allow the shaft to be sunk to the 2000 foot level, from it's present 600 ft. depth, (on the dip of the vein of about 40° dip.) It is estimated the cost per kw hour of such Diesel power will be comparable to the power costs of other operators in the region, who use electric power.

EXHIBIT "H" .. The property is presently equiped with a hoist, two small compressors, producing about 350 cu.ft. of air per minute, all gasoline driven, two Cameron pumps, air driven, head-frame and hoist house, camp buildings to house 15 men, steel rails, mine cars and three machine drills, with some drill steel. All of this equipment will be used in the operation of the property, together with new and additional equipment, to increase production.

EXHIBIT "I" .. The ore is all a direct smelting grade, semi-oxodised, with copper sulphides coming in, with more depth 1,000 tons of ore produced from the oxodized zone had a present market value of about $18.00 per ton, net smelter returns. The Hayden Smelter of the A.S. & R. want this ore for fluxing and will grant a favorable smelting rate, I am told. The sulphides coming in are expected to raise the value of the ore to better than $40.00 per ton, net smelter returns. This is in line with the record of the Magma Mine, which has a somewhat similar type of ore deposition.

EXHIBIT "J"(a). This potentially valuable property has been operated by men who knew nothing about mining nor was the operations ever properly financed or directed. They sunk the incline shaft on the Sunset Vein, ran drifts for some hundreds of

(continued)
Exhibit "F" (a) of fact along the vein, at 4 different levels, all too shallow in my opinion. A crosscut toward the Stanley Vein never reached that vein, in the opinion of the engineer. It seems this crosscut should be extended to the Stanley, as it would there have a depth of about 400 feet on the dip and a reasonable chance of opening up good ore.

The shaft was sunk later (after the Clark Report & maps were made) to the 880 foot level, no drifting was done there; I am told they drifted about 100 ft. N of the vein at 500 ft. level, but did not go far enough to pick up the ore, as the rule of the shaft. In this also the diamond gets out, the compressor broke down and work was stopped.

Exhibit "F" (b) .. The mines of this area of Nelson have a good record for the production of copper, silver, gold, lead and zinc. The nearest neighbour of the Sunset, the Bayonne Mine, is reported to have produced about 100 million dollars. The Bayonne and Sunset are remarkably similar, in ore occurrence, types of ore and both are lead mines. It is the opinion of some men that the Sunset has a chance of being another Bayonne, in the prospect stage. It is safe to say the ores are of deep seated origin, in both properties, of good grade, almost smelting ore, and can be considered of bonanza values. The Ray Mine of the Bonnacott and the new development of ore at the Ten Mineral Mine, of the Bayonne, are important sources of ore and copper production. I personally consider this area to be one of the best areas in North America, in which to look for a new mine, especially where commercial ore has already been found, even in limited amounts.

Exhibit "F" (c).. I understand a copy of the Addison H. Clark Report on the Sunset Mine has been filed with DMA, in connection with an application filed some months ago, and then the Docket No. TSA 880 was assigned to this property. I recommend the shaft be sunk to the 1000 ft. level, where it seems safe to expect solid sulphide ore, as part of the development program. Enough of considerable sulphide material is now showing ores of the shaft level, ore starting on the vein should be seen at the 650 ft. level, with a station to be cut at the 800 ft. level, when that place is reached, in sinking the shaft. Ore should be found in the Stanley Vein at the 850 level, and steps sometimes started there if such should be the case. If ore is found in the Stanley Vein at the 810 level, the downward extension of that ore should be looked for at the 800 ft. level, by a crosscut to that vein. It seems reasonable, in view of the history of the mines in this area, for consistent ore bodies, to

Sunset Mines, Pinal Co. Arizona, E.G. Bowen, Operator

EXHIBIT "J" (c) Continued)

be found in the sulphide zone, of major importance. The oxidized ores in the upper levels show ample evidence of the leaching of the original sulphide values, and in line the well known principles in similar ore bodies, these values should be found reconcentrated at or just below the ground water level. Such was the case at the Magma, when they found bonanza ore under the same conditions, at the ground water level.

EXHIBIT "K" (a) The various places in the lower workings have faces of ore on which to work. It is expected to open up rich sulphide in the drift on the 800 Level, with less than 100 feet of drifting.

(b) I understand maps, reports and assay data was submitted in the application when Docket No. 387 was assigned to this property. Briefly the ore bodies occur in a series of lodes, in the Final schist. The ore deposits in this area are proven to be of deep seated origin. In the immediate area of the Sunset, the ore magma is known to be present. With the favorable record of this area, for consistent response to development work, by uncovering ore, it is felt this property offers a reasonable chance to develop an important source of needed copper. I am told there has not been a failure in a mining venture in this area of Arizona.

Statement covering 19

STATEMENT M 21 It is proposed to sink the incline shaft to the 1500 Ft. Level, cut a station there and drift on the veins. Cut a station at the present bottom of the shaft (600 Ft. Level) and drift on veins. It is expect this 600 Level will produce considerable ore, mostly of sulphide type. All this work can be completed in 12 months time. It is expected that 100 tons of ore per day can be mined and shipped, within 30 days after starting operations.

STATEMENT M 22 The geology and ore deposits of this section are so well known that is should be sufficient to say, the veins of the Sunset Mines are typical of the Pinal County mines. The geology is simple, the ores are high grade, and acceptable to the local smelters. Simple mining methods are used and with competent management, this mine offers no problems in its operation.

EXHIBIT "L" (a)	6 Miners @	$14.00	per day	$84.00
	4 Muckers	13.00	" "	52.00
	2 Hoistmen	14.50		29.00
	1 Timerkeepr clerk	13.00		13.00
	1 Assayer	16.00		16.00
(b)	1 Foreman	16.00		16.00
Total daily direct labor costs				$ 212.00
Shaft Contract @ $30.00 per foot (labor)				180.00
Total labor costs per 24 hour day				392.00

(c)	Camp improvements, repairs to living quarters	$1,600.00
(d)	Foundations for new hoist, new compressor, head-frame and new roofs	2 ,800.00

Sunset Mines, Pinal Co. Arizona, H.O. Bowen, Operator

EXHIBIT "E" (c) Continued

be found

(e)	1- double drum, 100 h.p. hoist with 3000 ft. of 7/8" steel rope, 2500 for depth capacity, installed	$ 14,650.00	
	1- 1150 cu.ft. I.R. compressor with 110 h.p. motor, installed	11,800.00	
	1- 2 unit deisel-electric 500 h.p. A.C. generator, installed	7,500.00	
	Steel rails 12 and 16 lb.	1,500.00	
	Rock drills and parts	1,800.00	
	Drill rods and bits	750.00	
	Miscellaneous tools, shovels, picks, saws, axes, etc.	300.00	
			$38,300.00
(f)	Omitted.		
(g)	Omitted.		
(h)	Deisel oil, gasoline, per month	200.00	
	Materials and supplies: dynamite, caps, fuses, timber	4,200.00	
			$ 4,400.00
	Labor for 100 days @ $392 per day		39,200.00
			$81,900.00
	Reserve for Contingencies		18,100.00
			$100,000.00

STATEMENT RE 24

The above schedule provides for 100 days of operation. It is expected ore production will begin within the first 30 days of said schedule. This production will furnish a net income of approximately $40,000.00 per month. If and when the richer sulphide ores are produced, this revenue will double in dollar volume.

The operator agrees to instruct the smelter or smelters buying the ore from this property to furnish the DMA or its authorized agency a duplicate copy of all smelter shipments and mail to said agency its check for 5% of the said net smelter returns from each shipment so received.

E. G. Bower

Exhibits to Accompany Form MF 103, Docket No. MM 369

Sunset Mines, Pinal Co. Arizona

E.G. Bowen, Operator, 321 Grant Avenue,
San Francisco,8,California

EXHIBIT "A" 4.. E.G. Bowen has been actively engaged over a period of 40 years in many mining operating companies. His experience covers the states of California,Nevada,Utah, Idaho and Arizona,with some work in Mexico and Canada. Experience includes actual mining underground,as well as direction of important mining operations,in the production of copper,gold,silver,lead and zinc. He began his mining work as a mucker in the Coeur d'Alene Region of Idaho,in 1907. He learned to be a miner,became a shift boss,then superintendent,manager and finally head of various mining companies,for the past 30 years. He has done considerable engineering and geological work, in Grass Valley,California,Coeur d'Alene Region, Idaho, Park City, Utah,Goldfield, Nevada,and Globe Arizona.

EXHIBIT "F" 7.. Attached hereto is correct copy of contract held by E. G. Bowen to purchase property of Sunset Mining Co.

EXHIBIT "G" .. Operator has no liabilities. He has subscribed $5,000.00 in cash,to start operations,with pledges of another $45,000.00 in cash,to be paid into an operating fund,to match a like amount of RFC funds,if and when same may be available.

EXHIBIT "H" .. Property consists of 8 full sized lode mining claims of 20 acres each,now of record in the Pinal County Recorder's at Florence, Arizona. The claims are on record as follows:

Name of Claim	Book	Page No.
Sunset No.5	47	620
Sunset " 6	47	621
Sunset " 7	47	621
Sunset " 8	47	622
Sunset " 9	47	622
Sunset " 10	47	623
Sunset " 11	47	623

Most of the contemplated work will be done on Sunset #7 & #8 claims,with possible extensions of drifts on the ore into the Gall Buck,Sunset #6,Sunset # 10 and # 9 claims,all adjoining to and contiguous claims, to the Sunset Nos. 7 & 8,where principal workings are now located.

EXHIBIT "I" .. The property is located about 5 miles northerly from Price,a station of the Arizona Eastern RR. on a good county road therefrom. It is about 40 miles from Price, to the Hayden, Arizona Smelter of the A.C. & S. Co. It is about 18 miles southwesterly from Superior, via a good road. The smelter of the Magma Copper Co. is located

at Superior, and 80 miles beyond Superior is located the International Smelting Company's Smelter at Miami, another possible buyer of the ores of the Sunset Mines. In other words, within 10 to 45 miles from the Sunset mines, are three custom smelters that offer their facilities for the reduction of the direct smelting ores of Sunset Mines. The roads are good to excellent, and all year travel is secured.

EXHIBIT "F" .. A well in the bottom of the gulch supplies ample domestic water, and the mine furnishes 5,000 gallons per day of water, for compressor, showers, washing and other non-drinking purposes. Then and if a milling plant is needed, which cannot be foreseen now, the Gila River offers plenty of water.

EXHIBIT "G" .. Operator has arranged to install 2-250 H.P. Diesel-electric power units, to supply A.C. current to the new 100 H.P. Hoist, and 1150 Cubic feet of free air per minute, to be installed as part of the program of the Operator, to increase the production of ore, in the near future to as much as 500 tons of ore per day, and at the same time allow the shaft to be sunk to the 2000 foot level, from it's present 600 ft. depth, (on the dip of the vein of about 40° dip.) It is estimated the cost per kw hour of such Diesel power will be comparable to the power costs of other operators in the region, who use electric power.

EXHIBIT "H" .. The property is presently equiped with a hoist, two small compressors, producing about 600 cu.ft. of air per minute, all gasoline driven, two Cameron pumps, air driven, head-frame and hoist house, camp buildings to house 18 men, steel rails, mine cars and three machine drills, with some drill steel. All of this equipment will be used in the operation of the property, together with new and additional equipment, to increase production.

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EXHIBIT "J" (a). This potentially valuable property has been operated by men who knew nothing about mining nor was the operations ever properly financed or directed. They sank the incline shaft on the Sunset Vein, run drifts for some hundreds of

DEFENSE PRODUCTION ADMINISTRATION

Mr. Richardson

Referral of Applications for Government Aid

Docket No. IMA - 389

Commodity: copper

Name of Applicant: Sunset Mining Company, Inc.

Address of Applicant: 213 Minna Street
San Francisco 3, California

Name of Property: Sunset Mine

Location of Property: Mineral Hills District, Pinal County, Arizona

Nature of Application: Loan

Action Dates

Application: No date shown on application

Received: 1/ 9/51

Acknowledged:

Referred to COPPER COMMITTEE (NONFERROUS METALS) Committee: 1/15/51

Memo 1/19/51 to Op Com + Co. ask for a current progress report.

DMA-389

INFORMATION SUBMITTED WITH REQUEST
FOR LOAN UNDER THE DEFENSE
PRODUCTION ACT OF 1950.

SUNSET MINES, INC. herewith presents certain preliminary information to the Bureau of Mines together with its request that it receive financial assistance under the Defense Production Act of 1950. The information is as follows and is submitted pursuant to the preliminary form submitted by the United States Department of the Interior, Bureau of Mines, Region IV.

1. Sunset Mining Company, Inc., 213 Minna Street, San Francisco 3, California.

The mine is located in the Mineral Hills District, Pinal County, Arizona.

2. The production was approximately $46,000.00 from late 1939 to 1943. Since that time, the company has done considerable development work such as deepening the Sunset incline shaft from the 300 foot level to the 610 foot level, running a cross cut 410 feet off the 300 foot level in order to contact their Stanley Vein which they trace on the surface approximately 5400 feet. (This vein shows considerable copper values in many places on the surface, the width ranging from a few inches to several feet.)

The company started their Incline Shaft on a vein showing copper and gold from four comparatively short drifts south of this shaft and down to the 200 foot level. They shipped to the American Smelter & Refining Company plant at Hayden, Arizona, about $36,000.00 copper-gold ore. The shaft was continued an additional 100 feet, drifted south from this point (that is, the 300 foot level) about 90 feet. An upraise was made and from this stope, they shipped ore to the smelter at the value of $10,000.00. Copper was then 9 cents a pound plus 5 cents.

The past history of the property is not presently available.

3. The proposed work includes dewatering of the shaft, the water now being about at the 300 foot level.

Secondly, continuing the shaft an additional 200 feet in order to contact the permanent sulphide zone, and thirdly, the opening up of the faces of three or four of the levels.

There is enclosed herewith and made a part hereof a report of Addison N. Clark, Consulting Mining Engineer and Geologist, of Oakland, California and Reno, Nevada, which report in its supplement includes maps of the property, a list of major equipment and other facilities available, etc.

It is considered that the major new equipment required will be a larger compressor and a larger hoist and a larger sump pump, a 1 and 1/2 ton truck, and other mining equipment such as mine steel tools, etc.

This mine stopped operation sometime ago on account of the lack of working capital and since then it has only employed a watchman.

4. Estimated additional employees for the first three to four weeks of operation would be three men for dewatering purposes and thereafter a minimum of 8 men. As production would increase, the number of employees would be increased. The company states that they are in a position to secure all of the workmen they need.

The ore would be shipped to the American Smelting & Refining Plant at Hayden, Arizona, via Southern Pacific Railway Company from the mine's loading station at Price, Arizona, the distance from Price to Hayden being approximately

20 miles. The distance from the mine to the loading station at Price is 7 and 1/2 miles. Transportation from the mine to Price is by truck. When the proposed work is completed, the rate of production that may reasonably be expected cannot be given at this time inasmuch as that will depend a large part on the number of men employed and the amount of ore opened up. The company's estimate of time required to complete work for which the loan is requested is 90 days.

The present condition of roads is good from the paved highway, their being a good dirt road to the property, this being a county road.

4. Estimate of ore reserves. (See report of Addison N. Clark).

5. Report of Addison N. Clark.

6. When the mine was operating, the mangement employed competent superintendents and managers, they being Mr. Al Wardle, Mr. James E. Tenney (previously one of the mining engineers for Phelps-Dodge Company and later head geologist for the University of Arizona), and Mr. James E. Dick. It is the intention of the company to procure only experienced men as engineers of this mine.

8. Attempts have been made to secure private capital which have been to no avail. It might be added that private capital has contributed approximately $150,000.00 to the development of this mine to its present state.

The ROGER SMITH WASHINGTON, D.C.
PENNSYLVANIA AVENUE at 18TH STREET, N.W. A Modern, Fireproof Hotel

Zone 6

Sunset Mining Co.
Mineral Hills District, Pinal Co., Ariz

Want to dewater shaft; deepen shaft 200' and re-open several levels.

Engineers Report - Addison Clark, Reno

Equipment required:
Larger Compressor + hoist
Larger Dump pump
1½ Ton Truck
Misc Mining Equipment.

Estimated Manpower required:
8 men

Ore shipped to Hayden from Price, Ariz.

Time required for production - 90 days

Reserves - Oct. 6, 1944 - 2800 tons 6% Cu ore

No statement as to amount desired either than that recommended in Engrs. report of 1944. How would he pay back? Page 12 $50,000

STAMFORD, CONN. - HOLYOKE, MASS. - WHITE PLAINS, N.Y. - WASHINGTON, D.C. - NEW BRUNSWICK, N.J.
HOTELS PARK CRESCENT AND WINTHROP, N.Y.C. AND SEDGEFIELD INN, GREENSBORO, N.C.

Mr. Addison N. Clark,
Consulting Mining Engineer,
1440 Broadway,
Oakland, California.

MAGMA COPPER COMPANY

MINE ASSAY CERTIFICATE

For SUNSET MINE

Copper-Silver-Gold.

DATE June 23, 1944

No.	LOCATION	Cu.%	Ag. Oz.	Au. Oz.	Fe%	Zinc%	%Moisture	REMARKS
1-S	Johnson Sh/Stanley V.	2.41	0.80	0.08	(Grab/	Red Oxide ore)		$11.56/Ton
2-S	" " " "	2.21	0.40	0.20	("	/Black " ")		$14.80/Ton
3-S	" Tun.250'NW/Sh.	1.33	0.50	0.50	(Red Ox/some	sulph.)		$22.37/Ton
4-S	" " " " "	5.75	0.80	0.16	(Hvy.blk.sul.	& CO_3)		$25.72/Ton
5-S	S.V. Tun.350'S-E Sh.	11.50	2.00	0.06	("	" "/Malach.)		$42.62/Ton
6-S	Cut C/L#8, Stan.Vein	3.79	0.20	0.02	(Grab/	Sul.& Carbs.)		$13.72/Ton
SS-1	Sunset Vein/210' Lev.	0.39	0.10	0.02	(X-Fissure N	of Sh.)		$ 1.76/Ton
SS-2	SS Vein/310' Lev. S.	20.75	3.00	0.02	(Covellite &	Bl.Ox.)		$73.38/Ton
SS-3	" " / " " S.	3.74	0.80	0.02	(Same/	across 2 feet)		$14.00/Ton
SS-4G	X-Cut 310Lev.370' NE	1.92	0.40	1.00	(Au.Vein,top	shoot)		$41.80/Ton
SS-5	310' Lev.S., Face	2.90	0.60	0.02	(Grab	fr.skip load)		$10.56/Ton
SS-6	" " " "	12.78	2.00	0.02	(1½' W. fr. H-W)			$45.57/Ton
SS-7	" " " "	0.20	0.10	0.02	(2'below FW	Gouge		$ 0.70/Ton
SS-8L	Lead-Zinc V.,SS #10	0.20	0.40	0.01	19.8	3.3		$31.20/Ton

Sunset Mine Examination Samples: Cu @17¢ incl. Prem.;Ag @ 71¢; Au @ $35; Pb @ 6½¢; Zn @ 8¼¢.

W. W. Simon
ASSAYER

January 19, 1951

Memorandum

To: Operating Committee

From: Copper Committee

Re: DMA - 389
Sunset Mine, Arizona

This application consists of a description of the property and work recommended in 1944. It can be inferred that a $50,000 loan is contemplated but no concrete proposal is made. The application is unsigned and undated.

We recommend the dispatch of the attached letter requesting more information.

J. K. RICHARDSON

J. K. Richardson
Chairman, Copper Committee

JKR:apd

Cc - Mr. Strobel
Operating Committee (2)
Copper Commodity Committee - 3425
Files

APPROVED:

C. O. MITTENDORF

C. O. Mittendorf

J. H. Hedges

J. H. Hedges

Olaf N. Rove

Noted 1-26-51
PF

January 18, 1951

Sunset Mining Company
213 Minna Street
San Francisco 3, California

Re: DMA Docket No. 390
Sunset Mine
Mineral Hills District
Pinal County, Arizona

Gentlemen:

Your request for a loan under the Defense Production Act of 1950 has been given the above docket number and has been considered by the Copper Branch.

Before any further action can be taken a concrete proposal will be needed covering the following points:

a) Details of the disbursement of the loan
b) Terms of repayment of the loan
c) Production schedule
d) Details of proposed expenditures
e) Cost of production.

And information is needed on:

a) Sample data demonstrating reserves
b) Extent of underground workings presently accessible.

It should be pointed out that as yet it has not been necessary to contract for copper at over-market prices and over. In the future communications please refer to Docket No. 390.

Sincerely yours,

J. K. RICHARDSON

J. K. Richardson,
Chief, Copper Branch

JKRichardson:jkd

cc - Strobel
Copper Commodity Committee
Files

Noted 1-26-51
PT

Dma-389 X

SAN FRANCISCO (8) **E. G. BOWEN** NEW YORK

321 Grant Avenue.

May 31,1951

Docket No. DMA 389

Mr. J. B. Gowen, Acting Chief,
Copper Branch, DMA. Bureau of Mines,
Department of The Interior,
Washington, D.C. 25

Dear Mr. Gowen:

Enclosed herewith are the filled in Forms MF 103, in accordance with the conditions laid down in said form. I hope the accompanying Exhibits are sufficient for your purposes.

As Operator of the mine,I shall instruct the smelter or smelters buying our ore to mail to DMA or its authorized agency a duplicate copy of each smelter shipment of ore,together with its check for 5% of said net smelter settlement,to apply upon and be deducted from the amount of money owned by me to DMA, under the contract expected to be executed between the parties when and as the same is concluded.

I hope to have a report from your office quickly as possible.

Sincerely yours,

E.G. Bowen

E.G. Bowen

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8-1-51

REFERRED TO:

AUG 2 1951

1. Mr. Lowen
2.
3.
4.

FOR:

---------- Action	---------- Recommendation
---------- Approval	---------- Record of ----------
---------- Comment	---------- Referring to ----------
---------- Conference	---------- Reply for signature of ----------
---------- Consideration	---------- Rewriting
---------- Filing	---------- Signature
---------- Instructions	✓ Suggestions
---------- Investigation	---------- Your information
---------- Initials	
---------- Mailing	
---------- Previous correspondence	

REMARKS: ----------

Check (X) before the items needing attention.

Adams
Initials of sender.

GPO 16—63815-1

A. E. C.

Air Mail

SAN FRANCISCO (8)

E. G. BOWEN

Telephone SUtter 1-6133

NEW YORK

321 Grant Avenue,

Correct Address

July 26,1951

Subject: DMA-389X
Re Exploration Loan, Sunset Mine

Mr. J. B. Gowen, Chief, Copper Branch,
Defense Minerals Adminsitration,
Department of The Interior,
Washington,25, D.C.

My dear Mr. Gowen:

I have just been handed the letter dated June 18th.1951 addressed to me at 213 Minna Street, Sunset Mining Co.,Inc.,written by Mr. Landon F. Strobel,your DMA Executive Secretary. You will notice it has been over a month since the letter was received at the Minna Street address and my getting the same. This is because my address is 321 Grant Avenue, San Francisco 8.

It is true enough that the Minna Street address is that of the Sunset Mining Co. and Mr. W.O. Kay,the president of that company. However,I personally made the application for the loan, after consultation with Mr. H. C. Miller,your Regional Director for this area of the country. It has been my pleasure to get to know Mr. Miller quite well and exchange with him,our respectivd experiences in the mining districts over the better part of the United States.

I also had the pleasure of exchanging a few hurried words with Dr. Boyd upon his visit to San Franciso,some three months back.

This is written to please ask you to write to me at the above address,in connection with the above matter. My telephone number is given in case you should want it.A copy of this letter is being mailed to Mr. Stroble,for his files.

Inasmuch as a few friends and I are obligated to match the requested loan of $50,000.00,when and if the same is approved by your office,I would appreciate any intimation of when we may expect a reply upon the application.

Sincerely yours,

E. G. Bowen

E. G. Bowen

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 30 1951
LANDON F. STROBEL
Executive Secretary

Copy:

Mr. Landon F. Stroble
Executive Secretary,
Defense Minerals Administration

May 11, 1951

Re: Docket No. DMA-389

Mr. Francis L. Cross
Cross & Brandt, Attorneys at Law
Suite 1333
111 Sutter Street
San Francisco, California

Dear Mr. Cross:

This is to acknowledge your letter of April 5, 1951 in which you supplied us with additional information in answer to Mr. Richardson's letter to you dated January 18, 1951. The information you submitted did not include a concrete proposal as requested by Mr. Richardson. A formal application for a loan should be made. You do not state the amount of the desired loan in your application, or the cost of individual items for which this loan is to be used.

You state in your letter that sample data demonstrating reserves cannot be given at this time because the workings are under water. This information is very necessary if production loan is desired, because the known ore reserves must be of a sufficient amount and grade to liquidate the loan.

With the information that you have submitted, and other information available on the Sunset Mine, the Copper Branch of the Defense Minerals Administration believe that it falls into the category of an exploration project.

Since last writing to you the Government has put into effect a program to aid exploration projects. The enclosed copy of a press release dated April 11, 1951, and the pertinent regulations, Form MO-5 describe this program. A set of required forms is also enclosed in case you desire to file an application for exploration aid.

We wish to thank you for your interest in the copper program.

Very truly yours,

J. B. Cowen

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

Copy to: Executive Secretary WCI
Copper Branch WCI
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Enclosures
JWAlt:bsl

CROSS & BRANDT
ATTORNEYS AT LAW
Suite 1333
One Eleven Sutter Street
San Francisco 4
Telephone EX Brook 2-0896

April 5, 1951

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

Re: DMA Docket No. 389; Sunset Mine; Mineral Hills District; Pinal County, Arizona

Gentlemen:

In reply to yours of January 18th, 1951, we wish to give you the following information. We realize that the information contained in the original application and the information contained herein will ultimately have to be substantiated by a competent mining engineer. The Sunset Mining Company has not at this time sufficient working capital to acquire the services of such person. We answer your request for information as follows:

a) The loan would be used to rent a 500 foot compressor, the purchase of a larger hoist and a larger sump pump and would also be used for funds necesssary for a payroll including an experienced superintendent.

b) It would be proposed that any loan granted would be repaid out of production, viz. 50% of the net on the ore. The balance of the net on the ore going to working capital only until the loan is repaid.

c) The production schedule would be to continue the 310 foot drift and also the 600 foot drift and to ship copper-gold ore and diamond drill to locate sulphide zone which competent engineers have stated will be contacted within 200 feet from the bottom of the 600 foot shaft.

d) Has been answered.

e) It is estimated the cost of production would be from $10.00 to $12.00 per ton.

As for added information:

a) Sample data demonstrating reserves cannot be given at this time inasmuch as the workings are under water.

b) The extent of underground workinds presently accessible are five drifters from the surface down. Water is up to the 300 foot level at the present time. With the new comprssor and sump pump, the

owners are satisfied that they can de-water the mine within three weeks time after starting with only three men. In 1941, the mine was unwatered from the 170 foot to the 300 foot level in two weeks time with inadequate equipment.

Very truly yours,

/s/ Francis L. Cross

Francis L. Cross
for Sunset Mining Company

FC:lct

June 16, 1951

Mr. E. G. Bowen
Operator
Sunset Mining Company, Inc.
213 Minna Street
San Francisco 3, California

Subject: DMA-389X
Re: Exploration Loan
Sunset Mine

My dear Mr. Bowen:

Receipt is acknowledged of your application and attachments of May 28, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-389X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on June 5, 1951.

In any future correspondence relating to your application, kindly refer to DMA-389X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

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

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE JUL 19 1951

REFERRED TO:

1. Mr. Gower
2.
3.
4.

JUL 19 1951

Rm. 2614

FOR:

	Action		Recommendation
	Approval		Record of
	Comment		Referring to
	Conference	X	Reply for signature of
	Consideration		Rewriting
	Filing		Signature
	Instructions		Suggestions
	Investigation		Your information
	Initials		
	Mailing		
	Previous correspondence		

REMARKS:

Check (X) before the items needing attention.

LANDON F. STROBEL
aml
Initials of sender.

GPO 16—63815-1

Mr. Bowen

Sunset Mining Company

~~FIDELITY STRONG BUILDING~~
~~LOS ANGELES, CALIF.~~
~~MOHAWK 3551~~

213 Minna Street
San Francisco-3, California.

July 17-1951

Mr. Landon F. Strobel
Executive Secretary
U.S. Department of the Interior
Defense Minerals Administration
WASHINGTON 25, D.C.

Subject; DMA-389X
Re; Exploration Loan
Sunset Mine

Dear Mr. Strobel;

We have yours of the 18th Ult. in reference to above mentioned Loan, and thank you. Your letter was addressed to our Mr. E.G. Bowen, Operator, who, no doubt will be on the property in the near future and we most certainly would like to start operations AT ONCE.

IF its Copper the Government wants, WE HAVE IT, you probably dont remember the shipments I PERSONALLY made from an 80 foot stope in the Sunset Mine from April 4-1942 to August 3rd-1942, (18 cars shipped to the American Smelting & Refining Company at Hayden, Arizona), containing 25,295 lbs of PAY COPPER, your Office mailed me 5tys per lb "Bonus"-a total of $1264.75. No doubt the previous shipments of approximately 60 cars (made by the previous Management in 1939 and 1940) contained comparable Copper.

Our total shipments to the Smelters amounted to about $46,000.00 and this from the 310 level to the surface, we are now down to the 610 level, and with this "proposed Loan" together with an equal amount from our stockholders we should make a BIG dividend paying COPPER MINE, at least thats the opinion of EVERY mining engineer we have had on the property during the past several years.

We will greatly appreciate any thing your Office can do to expidite the matter. Again thanking you, we are,

Sincerely
SUNSET MINING COMPANY, Inc.
W.O. Kay

W.O. Kay-President

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 1 9 1951
LANDON F. STROBEL
Executive Secretary