DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1550X

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.

Rou[illegible]g Slip

To:		Date	
To:	Gaven	Date	6/8/51
To:	~~Field Team~~ Coordinating Committee	Date	7/11/51
To:	Field Team	Date	7/11/51
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

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DMA Docket No. 1550X

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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	6/8/51
To:	Lyon	Date	9/12/51
To:	Adm. Mgt. Div.	Date	
To:	Reports and Records	Date	SEP 1 4 1951
To:		Date	
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1550 X

To: Reports and Records Branch

From: Copper Branch Supply Division

Date: 7/11/51

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

Forwarded to Coordinating Committee to be referred to Field Team Reg
(then same type for signature)

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $

Other action, specify:

310

FILE COPY
SURNAME:

Gowen
Mittendorf

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

SEP 21 1951

Hon. Ernest W. McFarland
United States Senate
Washington 25, D. C.

Re: Docket No. DMA-1550X

My dear Senator McFarland:

This is in acknowledgment of your letter dated September 11, 1951 concerning the application of the Sun Gold Mining Company of Arizona for Government assistance in the amount of $50,000 for the exploration of the Sun Gold Mine.

The application in question was received by the Defense Minerals Administration on June 8, 1951 and was referred to the DMA Field Team of Region IV on July 11 for further investigation. After a thorough field examination of the property the Field Team submitted a report recommending denial of the application because the geological probabilities of finding any significant ore body which could be mined at a profit, or which would add to our present reserves are not believed sufficient to justify the expenditure.

It was with regret that the application was therefore denied and Mr. John C. Gung'l was notified to that effect in a letter dated September 14, 1951.

Sincerely yours,

B.O. Mittendorf (J.K.) 9-21

B. O. Mittendorf
Acting Administrator

JBGowen:rw
9/19/51

Copy to: Administrator's Reading File
Deputy Administrator's Reading File
Executive Officer, DMA Field Team IV
Mr. Lyon
Copper Branch
Files - DMA Docket

REPORTS AND RECORDS

ERNEST W. McFARLAND
ARIZONA

United States Senate
Office of the Majority Leader
Washington, D. C.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
SEP 14 9 41 AM '51

September 11, 1951

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

Re: Docket No. 1550X

Dear Sir:

It is my understanding that the DMA Field Team at Denver, Colorado, has completed its examination and forwarded its report on the application of the Sun-Gold Mining Company of Arizona to Washington.

It would be greatly appreciated if the processing of this application for a mining loan could be expedited and I be advised when final action has been taken.

With every good wish, I am

Yours very truly,

Ernest W. McFarland

Ernest W. McFarland

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 17 1951

OFFICAL FILE COPY

To	Init.	Date
310	JF	9-17
310	BK	

SEP 17 8 45 AM '51
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D.C.

United States Senate
Office of the Majority Leader
Washington, D. C.

Free

WASHINGTON, D. C.
SEP 18
6-PM
1951

Ernest W. McFarland

SAVE THE EASY WAY
BUY U.S. BONDS ON
PAYROLL SAVINGS
U.S.S.

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

RECORDS AND PROCESS

RECEIVED
SEP 11 1951
MINERALS MATERIALS
DEPARTMENT

United States Senate
Office of the Majority Leader
Washington, D. C.

September 11, 1951

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

Re: Docket No. 1580X

Dear Sir:

It is my understanding that the DMA field team at Denver, Colorado, has completed its examination and forwarded its report on the application of the Sun-Gold Mining Company of Arizona to Washington.

It would be greatly appreciated if the processing of this application for a mining loan could be expedited and I be advised when final action has been taken.

With every good wish, I am

Yours very truly,

Ernest W. McFarland

Ernest W. McFarland

Sauer
9-17

310 FILE COPY
SURNAME:

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

SEP 1 4 1951

Mr. John C. Gung'l
Sun-Gold Mining Company
711 Valley National Building
Tuscon, Arizona

Re: Docket No. DMA-1550Y

Dear Mr. Gung'l:

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

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

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

JF 9/14

BWHughes:ez
9/12/51

Copy to: Adm. Reading File
Executive Officer, Region IV
J.B.Gowen
C.H.Johnson
D.MacLaren
Files - Docket DMA

310

FILE COPY
SURNAME:

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

SEP 1 4 1951

Bowyer
Johnson

a, E, C -

Memorandum:

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Mr. John C. Gung'l Sun-Gold Mining Co., 711 Valley National Building, Tuscon, Arizona. DMA-1550T Commodity-Copper

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

1. With the exception of the lens of ore in the Fire m Tyre shaft, the veins remain so narrow that there is little chance of encountering minable lead or copper ore even if the exploration program would be completely carried out.

2. Irregularity in the grade of ore of the three veins discourages further prospecting.

3. Mining methods would be 50% higher than standard methods which would necessitate veins of constant width and grade of ore.

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

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

2 Forms DP-100 with answer sheet each
3 Forms DP-103 with answer sheets (2) and Exhibit A
2 DMA Review of Application for Exploration assistance
1 Field Team Report of Sun-Gold Mining Co. with cover letter
1 Form letter from Tom Lyon to Mr. J. F. Grat, July 11, 1951
1 Status Change Notice
2 Original letters from John C. Gung'l to Defense Minerals Administration, dated May 19, 1951 and May 29, 1951
1 Carbon letter to J.C.Gung'l from Tom Lyon July 11, 1951 (3 copies)
1 Carbon letter from James Boyd to Mr. Ernest W. McFarland June 28, 1951 with carbon letter attached from E. W. McFarland to James Boyd, June 14, 1951

1 Carbon letter from W. C. Schroeder to Hon. Ernest W. McFarland, Aug. 3, 1951 with carbon letter attached for E.W. McFarland to Tom Lyon

1 Carbon letter from J. R. Fast to Executive Secretary, August 31, 1951.

Tom Lyon

Tom Lyon, Director
Supply Division

JF 9/14

Attachment

RVaughiez
9/12/51

Copy to: Adm. Reading File
Executive Officer, Region IV
J.B.Cowen
C.H.Johnson
D.MacLaren
Files - Docket DMA

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

a, 2 c -

Memorandum:

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Mr. John C. Gung'l Sun-Gold Mining Co., 711 Valley National Building, Tuscon, Arizona. DMA-1550X Commodity-Copper

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

1. With the exception of the lens of ore in the Hiram Tyre shaft, the veins remain so narrow that there is little chance of encountering minable lead or copper ore even if the exploration program would be completely carried out.

2. Irregularity in the grade of ore of the three veins discourages further prospecting.

3. Mining methods would be 50% higher than standard methods which would necessitate veins of constant width and grade of ore.

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

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

2 Forms MF-100 with answer sheet each
3 Forms MF-103 with answer sheets (2) and Exhibit A
2 DMA Review of Application for Exploration assistance
1 Field Team Report of Sun-Gold Mining Co. with cover letter
1 Form letter from Tom Lyon to Mr. J. H. East, July 11, 1951
1 Status Chance Notice
2 Original letters from John C. Gung'l to Defense Minerals Administration, dated May 19, 1951 and May 29, 1951
1 Carbon letter to J.C.Gung'l from Tom Lyon July 11, 1951 (3 copies)
1 Carbon letter from James Boyd to Hon. Ernest W. MacFarland June 28, 1951 with carbon letter attached from E.W. McFarland to James Boyd, June 14, 1951

1 Carbon letter from W. C. Schroeder to Hon. Ernest W. McFarland, Aug. 3, 1951 with carbon letter attached for E.W. McFarland to Tom Lyon

1 Carbon letter from J. H. East to Executive Secretary, August 31, 1951.

Tom Lyon

Tom Lyon, Director
Supply Division

Attachment

REGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

August 31, 1951

Air Mail

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1550X, Sun-Gold Mining Co., John C. Gung'l, Applicant, Copper-Lead Prospect, Comobabi (Cobabi) Mining District, Pima County, Arizona

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

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

J. H. East, Jr.

A. H. Koschmann

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 4 - 1951

REGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

August 31, 1951

Air Mail

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1550X, Sun-Gold Mining Co., John C. Gung'l, Applicant, Copper-Lead Prospect, Comobabi (Cobabi) Mining District, Pima County, Arizona

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

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

J. H. East, Jr.

A. H. Koschmann

Enclosures

MINING DIVISION
REGION IV

Memorandum August 23, 1951

To : Paul T. Allsman, Denver, Colorado

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

Subject: Final Report, BMA Docket 1550X, Sun-Gold Mining Co.'s Copper-Lead Project, Comobabi (Cobabi) Mining District, Pima County, Ariz.

Enclosed are original and 7 copies of the above report by Charles A. Kumke and Brinton C. Brown of the Bureau of Mines. No separate geological report will be submitted as the property was examined only by the Bureau of Mines.

The report has my approval. Because of the narrowness of the veins and the scanty mineralization, no loan seems justified.

Brochure is enclosed.

Walter R. Storms

CC P. T. Allsman (7)
C. A. Andersen
BMA 1550X
DF

WRStorms:als

Mining Division
Region IV

August 29, 1951

Memorandum

To: RMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, RMA Docket 1550X, Sun-Gold Mining Co., John C. Gung'l, Applicant, Copper-Lead Prospect, Comobabi (Cobabi) Mining District, Pima County, Arizona

The applicant of the subject docket requested an exploration loan for the purpose of deepening two shafts, crosscutting and drifting at an estimated cost of $50,000.

Galena, chalcopyrite, azurite, malachite and chrysocolla occur in narrow fissure veins with a width of from 8 inches to 30 inches. Due to irregularity in the size and the general low grade of the ore, the discovery of mineable ore bodies is not considered probable.

The examining engineers recommend denial of the application, with which we concur.

W. H. King

W. H. King
for Paul T. Allgman

FILE COPY
SURNAME:

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

AUG 3 1951

Hon. Ernest W. McFarland
United States Senate
Washington, D. C.

Re: Docket No. 1550Y

My dear Senator McFarland:

This is to acknowledge your letter of July 30, 1951 addressed to Mr. Tom Lyon inquiring about the status of Mr. Gong'l's application Docket No. DMA-1550Y for exploration aid for the Sun-Gold Mining Company in Arizona.

The application in question has been referred by the Copper Branch Defense Mineral Administration to the DMA Field Team, Region IV, Denver 2, Colorado for further investigation. If there is any more information needed Mr. W. F. West, Jr., Executive Officer of the field team will contact Mr. Gong'l directly.

Every consideration is being given this application in processing it for exploration aid.

Sincerely yours,

W. C. SCHROEDER
Acting Administrator

RVKhugh:ez

Copy to: Reports and Records Branch, w.c.i.
Administrator's Reading File, w.c.i.
Deputy Administrator Reading File, w.c.i.
Executive Officer, DMA Field Team IV, w.c.i.
Copper Branch, w.c.i.
DMA Docket Files

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8/1/51

REFERRED TO:

1. Mr. Gruen
2. Mr. Hilderer
3.
4.

AUG 1 1951

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.

R. E. Adams
Initials of sender.

BH

GPO 16—63815-1

ERNEST W. McFARLAND
ARIZONA

~~1. Mr. Gamer~~
2. Mr. Holderer

United States Senate
Office of the Majority Leader
Washington, D. C.

March - Copy Control
(no attachments)

9-31

Sungold Mines Inc.
DMA 1496x
and
DMA - 1550x
Sun-Gold Mining Co.

July 30, 1951

Mr. Tom Lyon
Director, Supply Division
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Answered -
S V Waugh: ez

Dear Mr. Lyon:

Reference is made to a copy of a letter dated July 13 addressed to Mr. William F. Putman, President, Sungold Mines, Incorporated, Trentwood, Washington, a copy of which was furnished me.

Apparently some error was made, and the application submitted by Mr. Putman was confused with a similar application filed by Mr. John C. Gung'l in behalf of the Sun-Gold Mining Company in Arizona.

If Mr. Gung'l is required to furnish any additional information before his application can be processed, I would appreciate your letting me know; otherwise, it is hoped every effort will be made to determine at an early date whether his company is eligible for a mining loan.

Very truly yours,

Ernest W. McFarland

Ernest W. McFarland

AUG 3 1951

Hon. [illegible]
[illegible] Senate
[illegible]

[illegible] 1950

My dear Senator [illegible]:

This is to acknowledge your letter of July [illegible], 1951 addressed to Mr. [illegible] upon the [illegible] Mr. [illegible]'s application [illegible] [illegible]

[illegible] Department [illegible] Mr. [illegible], Executive Officer of the field [illegible] contact Mr. [illegible] directly.

Every consideration is being given this application in processing it for exploration [illegible].

Sincerely yours,

W. G. [illegible]

Acting

Commissioner

[illegible]:cz

Copy to: Reports and Records Branch, W.C.I.
Administrator for [illegible], W.C.I.
Deputy Administrator for [illegible], W.C.I.
Executive Officer, [illegible] Field Office IV, W.C.I.
Comptroller Branch, W.C.I.
[illegible] Docket Files

UNITED STATES SENATE

OFFICE OF THE MAJORITY LEADER

Washington, D. C.

July 30, 1951

Mr. Tom Lyon
Director, Supply Division
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Lyon:

Reference is made to a copy of a letter dated July 13 addressed to Mr. William F. Putman, President, Sungold Mines, Incorporated, Trentwood, Washington, a copy of which was furnished me.

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Very truly yours,

Ernest W. McFarland

Copy

ERNEST W. McFARLAND
ARIZONA

United States Senate
Office of the Majority Leader
Washington, D. C.

Mord - Copy Contact
(re attachment)

July 30, 1951

DMA-
1496X
&
1550X
1. Sawyer
2. Holden
8/1/51

Mr. Tom Lyon
Director, Supply Division
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Lyon:

Reference is made to a copy of a letter dated July 13 addressed to Mr. William F. [illegible]man, President, Sungold Mines, Incorporated, Trentwood, Washington, a copy of which was furnished me.

Apparently some error was made, and the application submitted by Mr. Putman was confused with a similar application filed by Mr. John C. Gung'l in behalf of the Sun-Gold Mining Company in Arizona.

If Mr. Gung'l is required to furnish any additional information before his application can be processed, I would appreciate your letting me know; otherwise, it is hoped every effort will be made to determine at an early date whether his company is eligible for a mining loan.

Very truly yours,

Ernest W. McFarland

Ernest W. McFarland

[illegible]
WASHINGTON
[illegible]
[illegible]

AUG 3 1951

Hon. Ernest W. McFarland
United States Senate
Washington, D. C.

Re: Docket No. 15505

My dear Senator McFarland:

This is to acknowledge your letter of July 30, 1951 addressed to Mr. [illegible] inquiring about the status of Mr. [illegible]'s application docket No. [illegible]A-1550[illegible] for exemption under the Munitions Act, pending in priority.

The application in question was referred by the Copper and Defense Materials Administration to the [illegible] Field Term, Region IV, Area 2, Colorado for further investigation. If there is any more information needed Mr. [illegible], Executive Officer of the Field Term will contact Mr. McFarland directly.

Every consideration is being given this application in processing it for employment aid.

Sincerely yours,

[illegible]

Acting Administrator

Attachment

Copy to: Reports and Records Branch, W.C.I.
Administrator's Reading File, W.C.I.
Deputy Administrator Reading File, W.C.I.
Executive Officer, DMA Field Term IV, W.C.I.
Copper Branch, W.C.I.
DMA Docket Files

UNITED STATES SENATE

OFFICE OF THE MAJORITY LEADER

Washington, D. C.

July 30, 1951

Mr. Tom Lyon
Director, Supply Division
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Lyon:

Reference is made to a copy of a letter dated July 13 addressed to Mr. William F. Putman, President, Sungold Mines, Incorporated, Trentwood, Washington, a copy of which was furnished me.

Apparently some error was made, and the application submitted by Mr. Putman was confused with a similar application filed by Mr. John C. Gung'l in behalf of the Sun-Gold Mining Company in Arizona.

If Mr. Gung'l is required to furnish any additional information before his application can be processed, I would appreciate your letting me know; otherwise, it is hoped every effort will be made to determine at an early date whether his company is eligible for a mining loan.

Very truly yours,

Ernest W. McFarland

Copy

2612

JUL 1 1 95

Re: Docket No. 1550X

Mr. John C. Gung'l
Sun-Gold Mining Company
711 Valley National Building
Tucson, Arizona

Dear Mr. Gung'l:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. H. Yast, Jr., Executive Officer, DMA Field Team IV, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon, Director
Supply Division

JBGowen:ee

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

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

JUL 11 1951

Re: Docket No. 1550X

Mr. John C. Gung'l
Sun-Gold Mining Company
711 Valley National Building
Tucson, Arizona

Dear Mr. Gung'l:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon, Director
Supply Division

JBGowen:ez

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

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

[illegible] 1951

Re: Docket No. 1550X

Mr. John C. Gung'l
Sun-Gold Mining Company
711 Valley National Building
Tucson, Arizona

Dear Mr. Gung'l:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon, Director
Supply Division

JBGowen:ez

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

FILE COPY
SURNAME:

Bowen
Johnson for LSM
Lyon

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

JUL 11 1951

Re: Docket No. 15500
Copper

A.E.C.

Mr. John C. Gung'l
Sun-Gold Mining Company
711 Valley National Building
Tucson, Arizona

Dear Mr. Gung'l:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. E. Hoot, Jr., Executive Officer, DMA Field Team, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

not stamped in R. R.

JBGovenlex

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

a. E. C.

Re: Docket No. 1550X

Mr. John C. Gung'l
Sun-Gold Mining Company
711 Valley National Building
Tucson, Arizona

Dear Mr. Gung'l:

This is to inform you that your application for aid for an exploration project has been referred to the field team for further study. You should hear shortly from Mr. J. H. East, Jr., Executive Officer, DMA Field Team, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

Tom Lyon, Director
Supply Division

JBGowen:ez

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

FILE COPY
SURNAME:

Bowen
for DM
Stuart 6/29

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

June 28, 1951

Hon. Ernest W. McFarland
United States Senate
Washington, D. C.

My dear Senator McFarland:

This is to acknowledge your letter of June 14, 1951 requesting the status of the Sun-Gold Mining Company, Tuson, Arizona.

The application in question is at present being reviewed by the Copper Branch of the Defense Minerals Administration and will be given careful consideration for possible aid from the Administration.

Sincerely yours,

JAMES BOYD
Administrator

RVWaugh:ez

Copy to: J. H. East, Jr.
224 New Customhouse, Denver 2, Colorado, w.ci
Executive Secretary, w.c.i.
Copper Branch, w.c.i.
Administrator's Reading File, w.c.i.
Deputy Administrator's Reading File, w.c.i.
Files

June 1950

ERNEST W. McFARLAND
ARIZONA

Mr. Gower

United States Senate
Office of the Majority Leader
Washington, D. C.

Dma 1550x

answered 6/28/51 RVZaugh/EZ.

June 14, 1951

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 19 1951
LANDON F. STROBEL
Executive Secretary

Dr. James Boyd
Administrator
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Dear Dr. Boyd:

I would appreciate your advising me of the status of the application filed by Mr. John C. Gung'l, Secretary-Treasurer of the Sun-Gold Mining Company, Tucson, Arizona, for a $50,000 mining loan.

This application was forwarded to your office on or about May 28 for processing.

With best wishes, I am

Sincerely yours,

Ernest W. McFarland

Ernest W. McFarland

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 19 1951
LANDON F. STROBEL
Executive Secretary

MCFARLAND
ARIZONA

United States Senate
Office of the Majority Leader
Washington, D. C.

June 14, 1951

Dr. James Boyd
Administrator
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Dear Dr. Boyd:

I would appreciate your advising me of the status of the application filed by Mr. John C. Gung'l, Secretary-Treasurer of the Sun-Gold Mining Company, Tucson, Arizona, for a $50,000 mining loan.

This application was forwarded to your office on or about May 28 for processing.

With best wishes, I am

Sincerely yours,

Ernest W. McFarland

Ernest W. McFarland

DMA 1550X

June 28, 1951

Hon. Ernest W. McFarland
United States Senate
Washington, D. C.

My dear Senator McFarland:

This is to acknowledge your letter of June 14, 1951 requesting the status of the Sun-Gold Mining Company, Tucson, Arizona.

The application in question is at present being reviewed by the Copper Branch of the Defense Minerals Administration and will be given careful consideration for possible aid from the Administration.

Sincerely yours,

JAMES BOYD

Administrator

RWaughtez

Copy to: J. H. East, Jr.
224 New Customhouse, Denver 2, Colorado, w.c.i
Executive Secretary, w.c.i.
Copper Branch, w.c.i.
Administrator's Reading File, w.c.i.
Deputy Administrator's Reading File, w.c.i.
Files

Ernest W. McFarland
Arizona

UNITED STATES SENATE
OFFICE OF THE MAJORITY LEADER
WASHINGTON, D. C.

June 14, 1951

Dr. James Boyd
Administrator
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Dear Dr. Boyd:

I would appreciate your advising me of the status of the application filed by Mr. John C. Gung'l, Secretary-Treasurer of the Sun-Gold Mining Company, Tucson, Arizona, for a $50,000 mining loan.

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With best wishes, I am

Sincerely yours,

/s/Ernest W. McFarland

Copy

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

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

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

JUL 11 1951

Dear Sir:

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

Docket No. 1550X

Commodity Copper Branch

Applicant Mr. John C. Gung'l, Sun-Gold Mining Company
711 Valley National Building, Tucson, Arizona

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

Very truly yours,

Tom Lyon
Chairman
Coordinating Committee

C. H. Johnson
For Bureau of Mines

Clay T. Rowe
For Geological Survey

Bowen

JOHN C. GUNG'L
ATTORNEY AT LAW
SUITE 711 VALLEY NATIONAL BUILDING
TUCSON, ARIZONA

Air Mail

May 19, 1951

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

Gentlemen:

Enclosed herewith, in quadruplet, is Form MF-100, on behalf of the Sun-Gold Mining Company.

Yours very truly,

SUN-GOLD MINING COMPANY

John C. Gung'l

By. JOHN C. GUNG'L
Secretary

JCG:mj
Encls. 4

P.S. Will you kindly send me five more of these forms.

sent

J.C.G.

JOHN C. GUNG'L
ATTORNEY AT LAW
SUITE 711 VALLEY NATIONAL BUILDING
TUCSON, ARIZONA

Air Mail
Special Delivery

May 29, 1951

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

Gentlemen:

I am enclosing you herewith in quadruplet Form MF-103 as an application for a loan under Mineral Order No. 5, Defense Production Act of 1950 on behalf of the Sun—Gold Mining Company, an Arizona Corporation.

If any other information is desired, I shall be glad to furnish this information to the best of my ability.

Yours very truly,

SUN-GOLD MINING COMPANY
711 Valley Nat'l. Bldg.
Tucson, Arizona

By John C. Gung'l
JOHN C. GUNG'L
Secretary

JCG:mj
Encls. 4

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

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMA-1550X, Sun-Gold Mining Co.'s Copper-Lead Project

Comobabi (Cobabi) Mining District

Pima County, Arizona

C. A. Kumke, Mining Engineer
U. S. Bureau of Mines

B. C. Brown, Mining Engineer
U. S. Bureau of Mines

August 1951

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By Chas. A. Kumke[1/] and Brinton C. Brown[1/]

The Coordinating Committee, Copper Branch, Defense Minerals Administration, requested that the Field Team, Region IV, examine the Sun-Gold Mining Co's. property and review costs with the applicant after the company had applied for an exploration loan under the Defense Production Act. The applicant proposed to explore for copper and lead by extending two shafts below ore lenses encountered on upper levels. The application for a loan requested $50,000. On August 6, 9, and 14, 1951, the writers visited the property.

Fifteen unpatented lode claims, comprising the Sun-Gold Mining Co's., property, are situated in the Comobabi (Cobabi) Mining District on the Papago Indian Reservation in Pima County, Ariz.

Sole production from the Sun-Gold property was a 1,200 pound hand-sorted shipment of high-grade specimen gold ore made in 1949. No other pockets of shipping-grade ore have been found.

Gold, silver, galena, chalcopyrite, azurite, malachite and chrysocolla occur in narrow fissure veins. Irregularity in the size and grade of ore of the three veins poses a problem that discourages further propsecting. Sampling indicates only one small lens of high grade lead mineral. Shallow workings on several veins are insufficient to block out any ore reserves.

Costs of the proposal are within reason. The proposal to deepen the Hiram Tyre shaft, crosscut to the vein and then drift is sound.

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

The alternate proposal to deepen the "Charlie" shaft, crosscut a distance of 600 feet to intersect three parallel veins, and drift on each vein is not sound mining because the crosscut would nowhere attain a depth beneath the surface of over 125 feet. More information could be obtained by sinking and drifting on each vein.

Judging the ore occurrence from a geological standpoint, it is not likely that a minable ore body of desirable grade and thickness would be encountered even if all the work called for in the proposal would be carried out. Therefore it is recommended that the request for a loan be denied.

SUN-GOLD MINING CO.'S COPPER-LEAD PROJECT
COMOBABI (COBABI) MINING DISTRICT
PIMA COUNTY, ARIZONA
DMA-1550X

Engineering Report

By C. A. Kumke
Mining Engineer
U. S. Bureau of Mines

B. C. Brown
Mining Engineer
U. S. Bureau of Mines

SUN-GOLD MINING CO.'S COPPER-LEAD PROJECT
COMOBABI (COBABI) MINING DISTRICT
PIMA COUNTY, ARIZONA
IMA-1550X

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INTRODUCTION

The Coordinating Committe, Copper Branch, Defense Minerals Administration, requested that the Field Team, Region IV, examine the Sun-Gold Mining Co's. property and review costs with the applicant. Accordingly two Bureau of Mines engineers[1/] visited the property on August 6, 9, and 14, 1951.

The examiners were accompanied on the first trip, by John C. Gung'l, Secretary-Treasurer of the company and applicant for the exploration loan, and on the third and last trip by Alfred Turner, President and supervisor of all mining work done on the property.

The applicant's proposal requires a $50,000 exploration loan to deepen two shafts to get beneath ore lenses excountered on upper levels.

ACKNOWLEDGMENTS

Acknowledgment is made to John C. Gung'l, the Secretary and Treasurer of the Sun-Gold Mining Co. and to Alfred E. Turner, President. These men were very helpful in conducting trips over the property and through the mine workings.

LOCATION AND ACCESSIBILITY

The property is approximately ten miles north of Sells, an Indian settlement on the Papago Indian Reservation in Pima County, Ariz. (fig. 1). It is situated in Sections 14, 15, 22 and 23, T. 16 S, R 4 E, in the Cobabi Mining District of the Comobabi Mountains.

1/ Kumke, Chas. A. and Brown, B. C., Mining Engineers, Tucson Office, Mining Division, Region IV, Bureau of Mines.

Tucson is the nearest city. To reach the property from that city calls for 61 miles of travel on the Tucson-Ajo State Highway 86 to the settlement of Sells, thence 9.9 miles north on a gravelled road, and thence to the right for 1 mile over a dirt road to the property.

PHYSICAL FEATURES AND CLIMATE

All of the claims of the Sun-Gold Mining Co. lie on the western slope of the South Comobabi Mountains at an altitude of about 2,600 feet. These mountains are a shapeless mass of peaks and ridges with a northwesterly trend. The highest points rise only about 2,000 feet above the surrounding plains.

Old residents consider the climate typical of the semi-arid regions around Tucson. Freezing temperatures occur only occaisionally in the winter. Summers are hot and temperatures above 110° F. are not uncommon. An annual precipitation of 13.35 inches[2/] is considered normal.

Vegetation consists of mesquite, palo verde, catclaw, and several varieties of cacti.

There is no water available on the property for mining or domestic purposes. All water must be hauled from Sells, or from the nearby Sunset mine where water was encountered in the shaft at 110 feet.

HISTORY AND PRODUCTION

Very little information is available on the history of the Comobabi (Cobabi) district. Mining activity was reported as early as 1850. High-grade gold specimens brought into town by the

2/ Ground Water Paper No. 499, U.S.Geol. Surv.

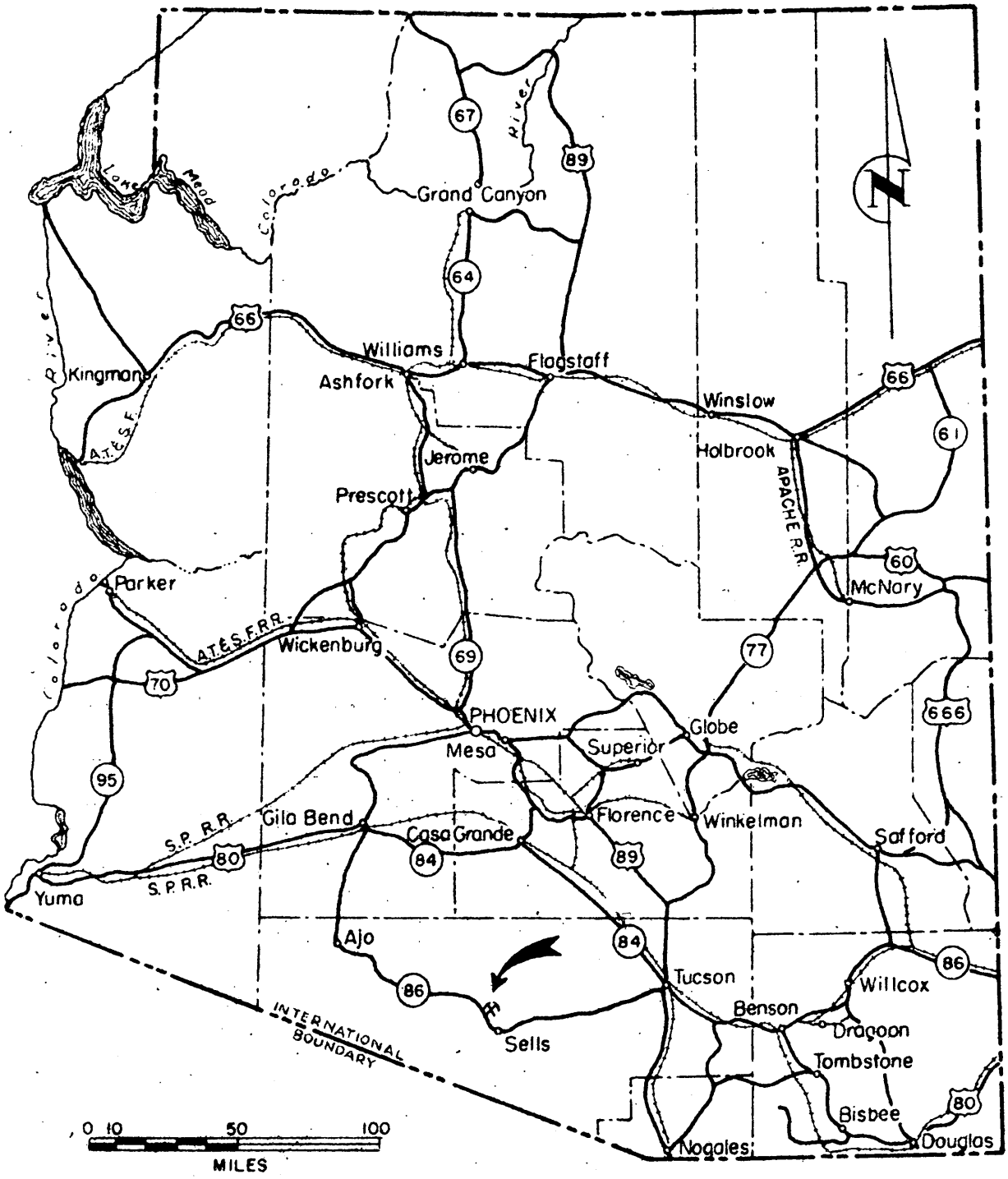


FIG. 1 - LOCATION MAP,
SUN-GOLD MINING CO.,
PIMA COUNTY, ARIZONA

DMA 1550X AUG. 1951

prospectors spurred on others. The surrounding hills are pock-marked with shallow mine workings.

A small production of copper, lead, and silver has been recorded.[3/]

Two claims, the Silver Lead and the Hiram Tyre, were located by Louise Toland and her husband in 1933. In 1939 they gave Alfred E. Turner a one-third interest in these two claims for performing the assessment work. Soon afterwards several additional claims were located.

In 1949 the Sun-Gold Mining Co. was incorporated and stock was issued to the original owners for their interests. The Sun-Gold Mining Co. thus became the sole owner of the property. Several more claims were located, making a total of fifteen unpatented ones.

No production records are available prior to 1949. In that year 1,233 pounds of high-grade gold ore, valued at $2,542.93, was shipped from a shaft on the Silver Lead claim.

OWNERSHIP AND EXTENT

The property, comprising 15 unpatented claims (fig. 2), is owned by the Sun Gold Mining Co., Inc. Alfred E. Turner of Tucson is president. He supervises all mining operations. John C. Gung'l, a practicing attorney of Tucson, is secretary and treasurer of the company and also acts as general manager.

3/ Ariz. Bur. of Mines Bull. No. 137, p. 177.

DESCRIPTION OF DEPOSIT

Granite and schist form the core of the Cemobabi mountains. Sedimentary rocks, largely massive impure shales, are exposed in the foot hills of the western slope. Conglomerates derived from porphyritic rocks of andesitic type are exposed on the north side on the range. Abundant dikes, and stocks of dioritic to basic porphyrys and intrusives of many varieties occur in the district.[4]

Ore, consisting of gold, silver, galena, chalcopyrite, azurite, malachite and chrysocolla, occurs in fissure veins with quartz as the gangue mineral. On the Hiram Tyre, Silver Lead and Columbine claims there are three parallel veins. Their strike is approximately N. 40° W. and the dip is about 70° degrees to the north-east. The veins vary in width from a few to about thirty inches. In most places the veins will average less than twelve inches.

In order to mine these types of veins without heavy dilution it would be necessary to drive a drift in the footwall next to the ore, then clean out this drift very carefully before shooting off the layer of ore that adheres to the hanging wall. This type of mining is expensive and would cost at least fifty percent more than straight drifting. The same procedure would be required if stoping operations were undertaken. Sufficient room would have to be made on the foot-wall under the ore to permit the miner to work, and the ore would have to be blasted onto a clean plank floor to prevent heavy dilution.

4/Ground Water Paper No. 499, U. S. Geol. Surv.

To successfully mine a vein in this manner, the operator should be reasonably certain of a fairly constant width and grade of ore. The work done so far on the property does not indicate that such regularity of width and grade of ore exists between workings. On the contrary, there are long distances where the vein is too narrow to be mined for its values. The wide (or minable) places are in the nature of pockets and do not occur frequently enough to carry the cost of searching for them.

ORE RESERVES

From the above description of the deposit, it is evident that no ore reserves can be recorded. In 1949 a high grade pocket of gold ore was encountered in the Silver Lead shaft about 10 feet below the surface. Twelve hundred pounds of carefully picked specimen ore were shipped to the smelter at El Paso. This shipment contained 127.3275 oz. in gold, 43.4 ox. in silver, 1.2 percent in lead and 0.18 percent in copper, and netted $2,542.93. No more similar pockets have been found and there is no record of other shipments of any kind having been made from this property. The past experience, therefore, cannot be used to arrive at any projected reserves. The present showing does not warrant any claim of measureable, minable ore reserves.

A lens of ore about fifteen feet in length and averaging from 12 to 24 inches in width has been exposed in the bottom workings of the 35-foot Hiram Tyre shaft. Insufficient work has been done there to estimate any ore reserves. It is there that the applicant proposed to get under the ore by sinking the vertical Hiram Tyre

shaft and crosscutting the vein at 35-foot intervals. If minable ore was cut in this proposed crosscutting, stoping was to follow and ore shipments were to be made in the hope of netting enough from the shipments to repay the exploration loan.

Assay results shown in table 1 are from 11 samples taken by the Bureau engineers, and from 5 samples taken by the applicant. A study of the results of the Bureau samples shows that the lens of ore found in the bottom of the Hiram Tyre shaft workings is the only minable ore exposed. The sample taken across this lens of ore assayed 27.1 percent lead and 3.75 percent copper. Less than 15 feet away on the same level another sample across the same vein assayed 1.6 percent lead and 0.72 percent copper. Another sample, numbered 14568, also was taken across this same lens in a winze not over 20 feet higher up. It assayed 2.7 percent lead and 0.45 percent copper.

PRESENT STATUS

At the present time the property is idle. No core or churn drilling has ever been done on any of the claims. Although there are a number of old shallow diggings, dug in the early days in the search for gold, the first major activity in the district came during the depression of the thirties when all mining supplies were cheap and the price of gold was advanced. Some neighboring properties became active and Louise Toland and her husband located the Silver Lead and the Hiram Tyre claims. They did not have sufficient capital to undertake development work and in 1939 they gave Alfred Turner a one-third interest to perform the assessment work.

Table 1 - Sample assays

Sample No.	Location	Figure Number	Vein Width	Au Oz/Ton	Ag Oz/Ton	%-Pb	%-Cu	%-Zn
Bureau of Mines' Samples								
14563	No. 2 vein, Hiram Tyre Claim	2 & 3	10 inches	0.03	0.3	0.2	0.03	-
14564	No. 3 vein, Ida "M" Claim	2	12 inches	0.01	0.7	1.0	0.04	-
14565	No. 3 vein, Columbine Claim	2	27 inches	0.01	0.4	0.2	0.25	-
14566	Sorted dump, Columbine Claim	2	Grab	0.07	0.6	0.3	1.62	-
14567	Face, 80 foot tunnel	3	8 inches	0.01	0.3	0.2	0.03	-
14568	Winze, 80 foot tunnel	3	30 inches	0.12	1.6	2.7	0.45	-
14569	Face, 30 foot drift, 35 ft. level	3	20 inches	0.24	9.2	27.1	3.75	4.8
14570	X-cut, 35 ft. level, Hiram Tyre	3	16 inches	0.09	2.8	1.6	0.72	0.8
14571	Sorted dump, May No. 2 Claim	2	Grab	0.13	0.5	0.2	3.21	-
14572	Face, 40 ft. level, Silver-Lead	-	8 inches	0.02	5.1	4.9	0.73	-
14573	Sorted dump, "Charlie" shaft	-	Grab	0.03	0.3	0.2	0.11	-
Applicants' Samples								
A	Ida "M" prospect pit	2	-	0.21	12.5	11.6	-	-
B	Ida "M" prospect pit	2	-	0.24	19.6	11.8	2.21	-
C	Hiram Tyre lower level	3	-	0.10	10.2	20.2	3.32	-
D	Winze, 80 foot tunnel	3	-	0.02	2.7	-	-	-
E	Winze, 80 foot tunnel	3	-	0.14	10.2	17.1	2.88	-

In 1949 after John Gung'l organized the Sun-Gold Mining Co., development work was undertaken and has been carried on intermittently until recently. The following work has been accomplished;

Shafts

82 ft. - Silver Lead claim, 1½ compartment, partly timbered.
50 ft. - "Charley" shaft on Silver Lead claim, 1½ compartment, vertical, partly timbered.
35 ft. - Hiram Tyre claim, 1½ compartment, partly timbered, vertical.
30 ft. - May No. 2 claim, vertical, untimbered.
Several shallow, vertical prospect holes, partly dirt-filled.

Drifts and Tunnels

35 ft. - Drifting on 40-foot level in Silver Lead Shaft.
40 ft. - Drifting on 82-foot level in bottom of Silver Lead shaft.
80 ft. - Surface tunnel on Hiram Tyre claim.
10 ft. - Drifting on vein at bottom of 35-foot Hiram Tyre shaft.
65 ft. - Surface tunnel on contact claim.

Cross Cutting

20 ft. - 82-foot level of Silver Lead shaft.
23 ft. - from bottom of 50-foot "Charley" shaft. (Not examined; encountered water in shaft.)
13 ft. - from bottom of 35-foot Hiram Tyre shaft.

Winzes

6 ft. - of winze in floor of 80-foot surface tunnel near entrance of tunnel on Hiram Tyre claim.

Raises - None

Stopes - None

MINING EQUIPMENT

At the Silver Lead shaft there is a 4-cylinder LeRoi gas-engine hoist, practically new. Compressed air is supplied by a 105-cubic foot LeRoy compressor driven by a 4-cylinder LeRoy wet-sleeve gasoline engine, direct connected. There are two hand-tram mine cars and a mine ventilation blower.

There is a 10 by 10-foot corrugated-iron blacksmith shop or tool shed at the collar of the Silver Lead shaft. This building contains one mounted and two unmounted jackhammers, a wheelbarrow, air and water hose, a forge, a set of blacksmith tools, and a small amount of small tools. All of the equipment mentioned is practically new and in good condition.

PROJECT PROPOSALS

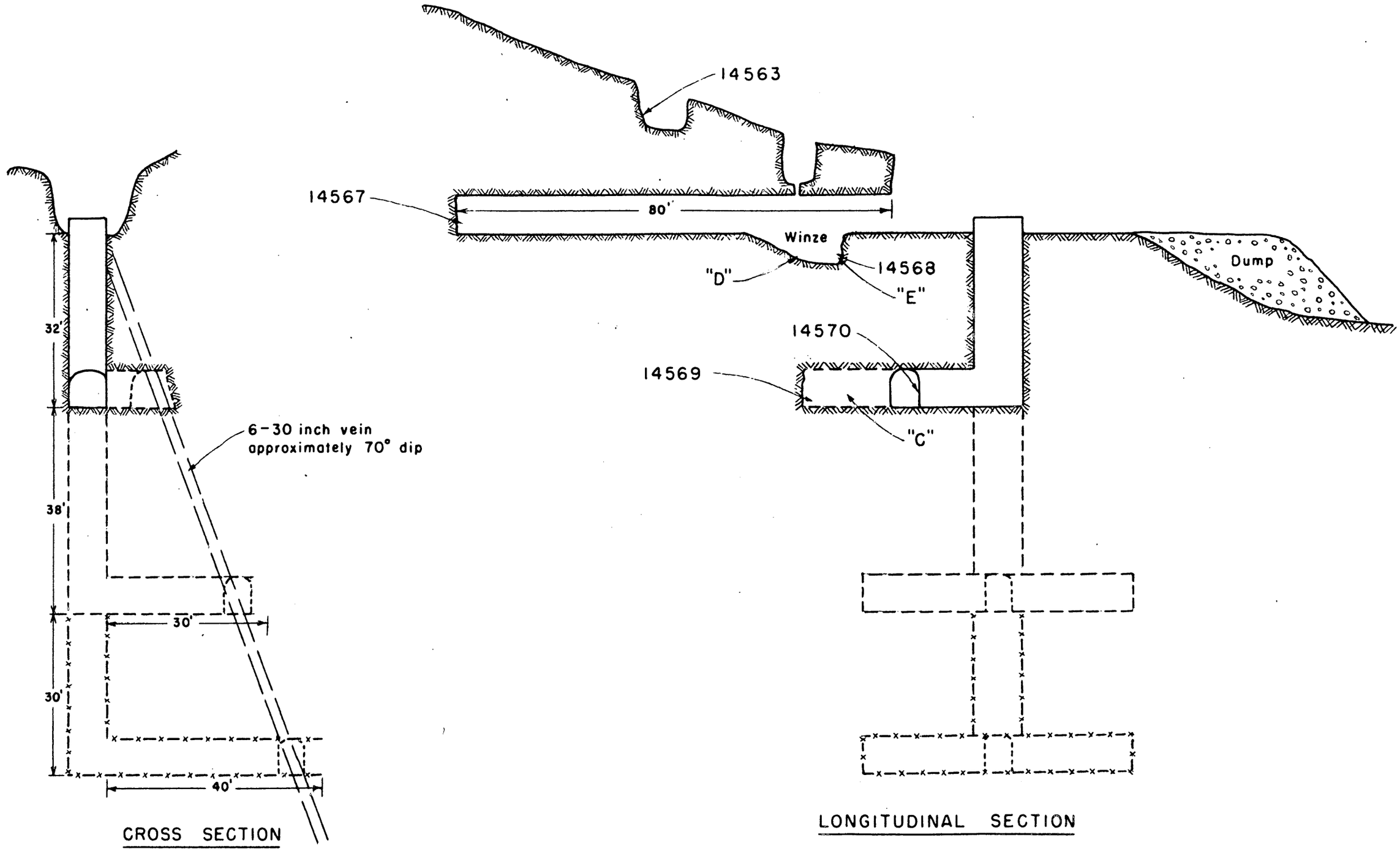
In the workings at the bottom of the 35-foot Hiram Tyre shaft there is a lens of ore about 15 feet long that will average about 20 inches in thickness. This ore constitutes the only showing on the property where the ore is minable. However, not enough work has been done on this ore shoot to permit a tonnage estimate.

The applicant submitted an exploration proposal divided into three steps:

(1) a. Sink the Hiram Tyre shaft (vertically) another 35 feet, then crosscut easterly to cut the vein at about 30 feet and follow this with about 10 to 20 feet of drifting on the vein in both directions (See fig. 3).

b. While the work in the Hiram Tyre shaft was being done, another crew would deepen the Silver Lead shaft 50 feet to develop water and explore the vein.

(2) If the Hiram Tyre results were favorable, the Hiram Tyre shaft would be sunk another 35 feet (vertically) and a crosscut would be run to cut the vein approximately 100 feet below the collar of the shaft (fig. 3). This work also was to be followed by drifting on the vein and if the new showing warranted, stoping operations were to be begun.



NOTE: ---- First part of proposed work
-x-x- Second part of proposed work
= = Extension of vein
14563-14570 Sample numbers U.S.B.M.
"C"-"E" Applicant's samples

Fig. 3 - Sketch of proposed exploration work
at the Hiram Tyre shaft
SUN-GOLD MINING CO.
Comobabi Mining District, Pima County, Ariz.
Scale 1" = 20' DMA 1550X Aug. 1951

Alternative Proposal

(3) An alternative proposal was more pretentious. It was to sink the "Charley" shaft (see Fig. 4) another 80 feet (vertically) and then cut all three parallel veins with a major crosscut. This plan would require about 600 feet of crosscut work and also would call for exploratory drifting where each vein was cut. The chief drawback to this crosscut is that nowhere does it acquire a depth greater than 125 feet below the surface. The proposal is not a sound one. It would be possible to accomplish more by working directly on each of the three parallel veins. The most urgent need is to find out if the ore lenses possess sufficient length and height and if they hold up to a minable thickness. All exploratory work should be confined to the veins as much as possible.

COSTS

Following are the cost estimates presented by the applicant:

Miners and muckers	$12,500
Engineering and supervision	6,000
Build mess hall, cook shack and 3 miners shacks	6,000
Electric light plant	1,000
Compressor	3,000
2 more hoists	2,000
2 stopers	1,500
Powder house	1,500
Shower room	250
Rails, ties, spikes, etc.	1,000
2 ore cars	300
Mine timber	1,500
Other lumber	500
Powder, caps, fuse	2,500
Truck	3,000
Corrugated iron	500
Rental (equipment)	1,000
Miscellaneous small tools	300
Pumping plant	3,000
Other incidentals	6,950
Total	$54,300

Some clarifications and a few revisions are needed in the above cost list.

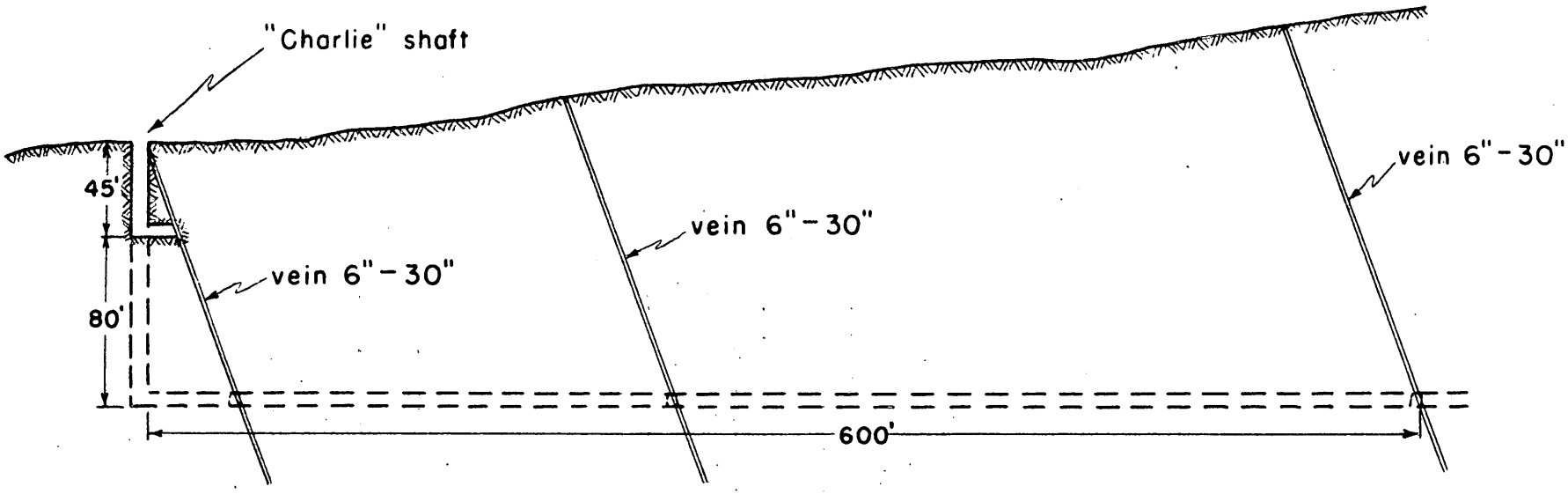


FIG. 4- Sketch showing alternate proposal for exploration work
SUN-GOLD MINING CO.
Comobabi Mining District
Pima County, Arizona
Scale 1" = 80'
DMA 1550X Aug. 1951

In the original application the applicant stated that 12 men on 3 shifts would be required. He meant to say he intended to work 12 men in three crews. One crew of 4 men at the Hiram Tyre shaft, 1 crew of 4 men at the Silver Lead shaft and a third crew of 4 men at the "Charley" shaft. The Charley shaft work has been discarded as unsound, so that only the Hiram Tyre, and Silver Lead crews of 4 men each will figure in the cost extimate.

Next under the item, "2 more hoists at $2,000," this should be changed to 1 more hoist at $2,500. The new hoist must be ample to be used as a man hoist.

Next item, "Powder House," at $1,500 appears too high. There are dry empty tunnel workings on the property where an ample powder magazine could be constructed for $500.

The item, "Other incidentals," seems too high. However, some items were overlooked that should have been included, such as a pickup truck, several 500-gal. water tanks mounted on skids, drill steel, air and water pipe, lubricating oil, fuel oil, another ventilating fan, fan pipe, a dozen cots and mattresses, etc. Such items will take care of the $6,950 incidentals. The other cost items submitted appear adequate and not out of line.

It is estimated that a crew of 8 men and a cook could be hired and put to work on all necessary surface work such as road building, erecting headframe, installing hoist, compressor and fan, and putting up bunk houses, cook house, and powder magazine. All of this type of work to get the camp established could be completed in 4 months, and the underground proposal at the Hiram Tyre and Silver Lead

shafts could be completed in the next 4 months.

Applicant states he can hire adequate Papago Indian workers for an average wage of $8.00 per day.

CONCLUSIONS

The Sun-Gold Mining Co. is the sole owner of the property. John Gung'l, the applicant, is secretary and treasurer of the company. He is a well known attorney, a resident of Arizona for 50 years and enjoys a good reputation. He is competent and reliable. Alfred E. Turner, the president of the company who acts as mine superintendent, has had many years experience working around mines. He is capable of executing a program as proposed in the application. The proposal itself is technically feasible and the money requested is sufficient to carry out the original proposal.

There are a good many shallow surface workings on the three parallel veins and all of them present a discouraging picture of small, narrow veins extending for only a few hundred feet in length. The values in these veins near the surface are mostly in gold and silver. They do not occur as minable ore because of the persistent narrowness of the veins.

Lead and copper values are only occasionally present near the surface. In the deeper workings on the property lead and copper values increase. However, with the exception of the lens of ore in the Hiram Tyre shaft, the veins remain so narrow that there is little chance of encountering minable lead or copper ore even if the exploration program would be completely carried out.

RECOMMENDATIONS

It is recommended that the loan be denied.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA-1550X

Date received ~~DMA~~ 0271

SUN-GOLD MINING COMPANY
711 Valley Nat'l. Bldg.
Tucson, Arizona

Name and address of applicant

Date _____

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessary certificates pursuant to the provisions of Section 101(a)(1) of the Defense Production Act of 1950, as amended, or Executive Order 9630 (50 U.S.C. App. Supp. 2071)~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

5

GENERAL TECHNICAL DATA

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

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

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

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Alfred E. Turner							
Tucson, Arizona	Pres. (D)			17,000		None	
John C. Gung'l Tucson, Arizona	Sec'y. (D)			25,000		None	
Daniel Stukey Denver, Colorado	V.P. (D)			17,000		None	
Charles Oliff Chicago, Illinois	Stockholder			15,000		None	
Louise Toland Paonia, Colorado	Stockholder			10,000		None	
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$1,000,000	$100,000	$1.00	100,000	none
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

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.

Sun-Gold Mining Company
(Name of company)

By Alfred E. Turner
(Signature of authorized official)

May 19, 1951
(Date)

President
(Title)

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

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

GENERAL TECHNICAL DATA

(1) a. Gold, Silver, Copper and Lead
b. None

(2) Sun-Gold Mining Company (Unpatented Lode Claims)
a. 300 feet
b. Crosscuts - 80 feet
c. 300 feet
d. None
Mine not flooded

(3) a. Tucson, Arizona, 70 miles
b. Cababi Mining District
c. Township 16S, Range 4E
d. Pima County, Arizona

(4) Operated by Sun-Gold Mining Company, a corporation, as owner

(5) Not in production, merely developing; estimated will be in production this year

(6) Mining experience of Alfred E. Turner, the President, is as follows: Prospecting and working in mines for the past 25 years.

(7) a. Property not worked before with exception of few shallow shafts done on three or four of the claims of applicant and apparently the reason for suspension of operation was due to lack of funds.

b. Unknown
c. Have none

(8) See Form

(9) See Form

(10) See Question Five

(11) We hope to be in production shortly.

(12) a. The ore is copper. gold, silver and lead, and occurs in several veins going through the property.
b. No engineering or geological report made on the property.

(13) Nine miles of dirt road from property to Sells, Arizona, and 60 miles of paved, blacktop road to Tucson, Arizona, the shipping point.

(14) Water supply very limited, but expect to get water at a 100 foot depth.

(15) Gasoline power for compressor and hoist.

(16) Three to four men employed continuously during last year, up to present time.

(17) Two living trailers, gasoline hoist, gasoline 105 LeRoi Compressor, corrugated aluminum blacksmith shop, together with blacksmith tools, pipe, wrenches, jack hammers, 2 iron ore cars, track, rail etc.

(18) No

Sun-Gold Mining Company
711 Valley National Bldg.
Tucson, Arizona

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 1550X

Date received DMA 0271

[illegible]
711 [illegible]
[illegible], Arizona

Name and address of applicant

Date _____

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) ~~Necessity Certificate pursuant to the provisions of Section 124(a)(1) of the Internal Revenue Code 1939 (Amortization Deduction)~~ priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

5

GENERAL TECHNICAL DATA

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

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

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

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

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
Alfred E. Turner							
Tucson, Arizona	Pres. (D)			17,000		None	
John C. Gunn'l Tucson, Arizona	Sec'y. (D)			25,000		None	
Daniel Stukey Denver, Colorado	V.P. (D)			17,000		None	
Charles Oliff Chicago, Illinois	Stockholder			15,000		None	
Louise Toland Paonia, Colorado	Stockholder			10,000		None	
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$ 1,000,000	$ 100,000	$ 1.00	100,000	none
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

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

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

12. Ore or Mineral Reserves:

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

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

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

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

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

14. Water Supply:

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

15. Power:

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

16. Labor:

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

17. Equipment and Facilities:

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

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

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.

Sun-Gold Mining Company
(Name of company)

By Alfred E. Turner
(Signature of authorized official)

May 19, 1981
(Date)

President
(Title)

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

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

GENERAL TECHNICAL DATA

(1) a. Gold, Silver, Copper and Lead
b. None

(2) Sun-Gold Mining Company (Unpatented Lode Claims)
a. 300 feet
b. Crosscuts - 60 feet
c. 300 feet
d. None
Mine not flooded

(3) a. Tucson, Arizona, 70 miles
b. Cabeni Mining District
c. Township 16S, Range 4E
d. Pima County, Arizona

(4) Operated by Sun-Gold Mining Company, a corporation, as owner

(5) Not in production, merely developing; estimated will be in production this year

(6) Mining experience of Alfred S. Turner, the President, is as follows: Prospecting and working in mines for the past 75 years.

(7) a. Property not worked before with exception of few shallow shafts done on three or four of the claims of applicant and apparently the reason for suspension of operation was due to lack of funds.

b. Unknown
c. Have none

(8) See Form

(9) See Form

(10) See Question Five

(11) We hope to be in production shortly.

(12) a. The ore is copper, gold, silver and lead, and occurs in several veins going through the property.
b. No engineering or geological report made on the property.

(13) Nine miles of dirt road from property to Sells, Arizona, and 60 miles of paved, blacktop road to Tucson, Arizona, the shipping point.

(14) Water supply very limited, but expect to get water at a 100 foot depth.

(15) Gasoline power for compressor and hoist.

(16) Three to four men employed continuously during last year, up to present time.

(17) Two living trailers, gasoline hoist, gasoline 105 Cubic Compressor, corrugated aluminum blacksmith shop, together with blacksmith tools, pipe, wrenches, jack hammers, 2 iron ore cars, track, rail etc.

(18) No

Sun-Gold Mining Company
711 Valley Nat'l. Bldg.
Tucson, Arizona

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-1550 X

Date received 6/4/51

Participation

[illegible]
[illegible] Valley [illegible], Inc.
[illegible], Arizona

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost 100,000.00

Mineral or metal Copper and Lead

Percentage of Government participation 50%

Location of mine Stone Hills, Pima County, Arizona

Date of filing MF-100 May 10, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

[illegible] (Name of company)

By John C. [illegible] (Signature of authorized official)

May 26, 1961 (Date)

[illegible] (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

1 to 5. Answered on MF-100

6. We are indebted to five stockholders in the sum of approximately $9,000.00 for money advanced in working this property.

7. Not lessee.

8. See Exhibit attached marked "A"

9. Applicant would be prepared to pay his part in the following manner: Part of wages; part in reasonable rental for the machinery now upon the property and part by the directors putting up their part in money, or else will obtain permission to sell sufficient treasury stock at part value to raise company's part of money to meet what the Government advances.

10a. 15 unpatented lode mining claims.

10b. The exploration is to be conducted upon parts of these 15 unpatented lode mining claims, which are located in Township 16 South, Range 4 East, Cababi Mining District, Pima County, Arizona.

11 to 14. Answered on MF-100

15. The ore that is extracted could be either milled at a mill approximately one mile from the property, or could be shipped to El Paso to the American Smelter Company.

16 to 18. Answered on MF-100.

19. There are three parallel veins going through these claims, which veins are approximately 30 inches wide. We have sunk a shaft approximately 40 feet on one vein and then drifted in a crosscut where we exposed copper and lead ore which assayed around $80.00 a ton in copper and lead. The vein exposed in this drift is from 4 to 14 inches in width. On the same vein, in a northerly direction, we sunk a shaft 85 feet. On the 40 foot level we drifted in on the vein and we got copper and lead and silver ore which assayed $140.00 a ton. The vein of this rich ore being from 4 to 8 inches in thickness. On the 85 foot level in the shaft we drifted in about 30 feet and crosscut the vein again, and this vein assayed around $15.00 a ton in copper. lead and silver. On one of the other parallel veins we sank a shaft about 10 or 12 feet and struck a vein from 6 to 12 inches which assayed around $60.00 a ton. There is another surface indication of a copper vein which we have not explored as yet, but expect to when we receive sufficient funds for that purpose. Several other veins [redacted] are in process of being developed at this time.

20. Copper and lead.

21. We expect to sink both shafts above described to a deeper depth, crosscutting to the veins, and also follow the veins at surface depth as far as they produce any copper or lead ore, and it is estimated that this will require about a year, but no longer than two years, to complete it.

22. No geological map has ever been prepared of this property, but if the department should desire one, that can be furnished at a later time.

23a. Miners and muckers at standard local wages.....$12,500.00

b. Engineer and Superintendent..... 6,000.00

c. It will be necessary to erect an adobe kitchen and mess hall and possibly 2 or 3 small frame sheds for miners..... 6,000.00

d. Answered in "c" above.

e. Electrict light plant, costing approximately.... 1,000.00
Another compressor, costing approximately..... 3,000.00
Two more hoists, costing approximately..... 2,000.00
Two Stopers..... 1,500.00
Powder House..... 1,500.00
Shower Room..... 250.00
Rails, Ties and Spikes..... 1,000.00
Two Ore Cars..... 300.00
Mine Timber..... 1,500.00
Other Lumber..... 500.00
Powder, Caps and Fuses..... 2,500.00
Truck..... 3,000.00
Corrogated Iron..... 500.00

f. Approximate rental equipment amounting to..... 1,000.00

g. Approximately $350.00 per month

h. Miscellaneous small tools 300.00

i. Engine, pump and pipe for pumping water from the mine, together with galvanized tank for furnishing water, costing approximately..... 3,000.00

Other incidentals 6,950.00

24. It is rather hard at this time to furnish a time schedule but expect to work about 12 men three shifts.

We believe this property has a great deal of merit for the reason that it is a highly mineralized country and small mines are being operated contiguous to this property as well as within a mile or two from its boundaries, and we believe that this property has the earmarks of being developed into a large copper and lead property.

EXHIBIT "A"

This corporation was organized for 1,000,000 shares of common stock at the par value of $1.00 per share, out of which 100,000 shares was issued for the property.

We have on hand mining machinery, tools, trailer, buildings etc. of a purchase price of $5,000.00.

There is no profit and loss statement because we have not shipped any ore as yet - mine still being developed.

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-1550 X

Date received 6/4/51

Participation

No Income Reports

SUN-GOLD MINING COMPANY
711 Valley Nat'l. Bldg.
Tucson, Arizona

Name and address of applicant

Date May 28, 1951

FILL IN THIS BLOCK

Date of application May 28, 1951

Estimated cost $50,000.00

Mineral or metal Copper and Lead

Percentage of Government participation 50%

Location of mine Near Sells, Pima County, Arizona

Date of filing MF-100 May 19, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

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

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

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

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

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

CERTIFICATION

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

SUN-GOLD MINING COMPANY
(Name of company)

By John C. Gungl
(Signature of authorized official)

May 28, 1951
(Date)

Secretary-Treasurer
(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

John C. Gungl

1 to 5. Answered on MF-100

6. We are indebted to five stockholders in the sum of approximately $9,000.00 for money advanced in working this property.

7. Not lessee.

8. See Exhibit attached marked "A"

9. Applicant would be prepared to pay his part in the following manner: Part of wages; part in reasonable rental for the machinery now upon the property and part by the directors putting up their part in money, or else will obtain permission to sell sufficient treasury stock at part value to raise company's part of money to meet what the Government advances.

10a. 15 unpatented lode mining claims.

10b. The exploration is to be conducted upon parts of these 15 unpatented lode mining claims, which are located in Township 16 South, Range 4 East, Cababi Mining District, Pima County, Arizona.

11 to 14. Answered on MF-100

15. The ore that is extracted could be either milled at a mill approximately one mile from the property, or could be shipped to El Paso to the American Smelter Company.

16 to 18. Answered on MF-100.

19. There are three parallel veins going through these claims, which veins are approximately 30 inches wide. We have sunk a shaft approximately 40 feet on one vein and then drifted in a crosscut where we exposed copper and lead ore which assayed around $80.00 a ton in copper and lead. The vein exposed in this drift is from 4 to 14 inches in width. On the same vein, in a northerly direction, we sunk a shaft 85 feet. On the 40 foot level we drifted in on the vein and we got copper and lead and silver ore which assayed $140.00 a ton. The vein of this rich ore being from 4 to 8 inches in thickness. On the 85 foot level in the shaft we drifted in about 30 feet and crosscut the vein again, and this vein assayed around $15.00 a ton in copper. lead and silver. On one of the other parallel veins we sank a shaft about 10 or 12 feet and struck a vein from 6 to 12 inches which assayed around $60.00 a ton. There is another surface indication of a copper vein which we have not explored as yet, but expect to when we receive sufficient funds for that purpose. Several other veins [redacted] are in process of being developed at this time.

20. Copper and lead.

21. We expect to sink both shafts above described to a deeper depth, crosscutting to the veins, and also follow the veins at surface depth as far as they produce any copper or lead ore, and it is estimated that this will require about a year, but no longer than two years, to complete it.

22. No geological map has ever been prepared of this property, but if the department should desire one, that can be furnished at a later time.

23a. Miners and muckers at standard local wages.....$12,500.00

b. Engineer and Superintendent..... 6,000.00

c. It will be necessary to erect an adobe kitchen and mess hall and possibly 2 or 3 small frame sheds for miners..... 6,000.00

d. Answered in "c" above.

e. Electrict light plant, costing approximately.... 1,000.00
Another compresson, costing approximately..... 3,000.00
Two more hoists, costing approximately..... 2,000.00
Two Stopers..... 1,500.00
Powder House..... 1,500.00
Shower Room..... 250.00
Rails, Ties and Spikes..... 1,000.00
Two Ore Cars..... 300.00
Mine Timber..... 1,500.00
Other Lumber..... 500.00
Powder, Caps and Fuses..... 2,500.00
Truck..... 3,000.00
Corrogated Iron..... 500.00

f. Approximate rental equipment amounting to..... 1,000.00

g. Approximately $350.00 per month

h. Miscellaneous small tools 300.00

i. Engine, pump and pipe for pumping water from the mine, together with galvanized tank for furnishing water, costing approximately..... 3,000.00

Other incidentals 6,950.00

24. It is rather hard at this time to furnish a time schedule but expect to work about 12 men three shifts.

We believe this property has a great deal of merit for the reason that it is a highly mineralized country and small mines are being operated contiguous to this property as well as within a mile or two from its boundaries, and we believe that this property has the earmarks of being developed into a large copper and lead property.

EXHIBIT "A"

This corporation was organized for 1,000,000 shares of common stock at the par value of $1.00 per share, out of which 100,000 shares was issued for the property.

We have on hand mining machinery, tools, trailer, buildings etc. of a purchase price of $5,000.00.

There is no profit and loss statement because we have not shipped any ore as yet - mine still being developed.

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-1550 X

Date received 6/4/51

Participation

[illegible]
[illegible] Valley [illegible], [illegible].
[illegible], Arizona

Name and address of applicant

Date [illegible], 1951

FILL IN THIS BLOCK

Date of application [illegible], 1951

Estimated cost [illegible]

Mineral or metal Copper and Lead

Percentage of Government participation 50%

Location of mine [illegible], [illegible] County, Arizona

Date of filing MF-100 [illegible], 1951

DMA Docket Number, if available

INSTRUCTIONS

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THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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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:
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    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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

CERTIFICATION

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

SUN-GOLD MINING COMPANY
(Name of company)

By John C. Simpson
(Signature of authorized official)

May 28, 1951
(Date)

Secretary-Treasurer
(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

1 to 5. Answered on MF-100

6. We are indebted to five stockholders in the sum of approximately $9,000.00 for money advanced in working this property.

7. Not lessee.

8. See Exhibit attached marked "A"

9. Applicant would be prepared to pay his part in the following manner: Part of wages; part in reasonable rental for the machinery now upon the property and part by the directors putting up their part in money, or else will obtain permission to sell sufficient treasury stock at part value to raise company's part of money to meet what the Government advances.

10a. 15 unpatented lode mining claims.

10b. The exploration is to be conducted upon parts of these 15 unpatented lode mining claims, which are located in Township 16 South, Range 4 East, Cababi Mining District, Pima County, Arizona.

11 to 14. Answered on MF-100

15. The ore that is extracted could be either milled at a mill approximately one mile from the property, or could be shipped to El Paso to the American Smelter Company.

16 to 18. Answered on MF-100.

19. There are three parallel veins going through these claims, which veins are approximately 30 inches wide. We have sunk a shaft approximately 40 feet on one vein and then drifted in a crosscut where we exposed copper and lead ore which assayed around $80.00 a ton in copper and lead. The vein exposed in this drift is from 4 to 14 inches in width. On the same vein, in a northerly direction, we sunk a shaft 85 feet. On the 40 foot level we drifted in on the vein and we got copper and lead and silver ore which assayed $140.00 a ton. The vein of this rich ore being from 4 to 8 inches in thickness. On the 85 foot level in the shaft we drifted in about 30 feet and crosscut the vein again, and this vein assayed around $15.00 a ton in copper. lead and silver. On one of the other parallel veins we sank a shaft about 10 or 12 feet and struck a vein from 6 to 12 inches which assayed around $60.00 a ton. There is another surface indi- [illegible] which we have no explored as yet, but

23a. Miners and muckers at standard local wages.....$12,500.00

b. Engineer and Superintendent..... 6,000.00

c. It will be necessary to erect an adobe kitchen and mess hall and possibly 2 or 3 small frame sheds for miners..... 6,000.00

d. Answered in "c" above.

e. Electrict light plant, costing approximately.... 1,000.00
Another compresson, costing approximately..... 3,000.00
Two more hoists, costing approximately..... 2,000.00
Two Stopers..... 1,500.00
Powder House..... 1,500.00
Shower Room..... 250.00
Rails, Ties and Spikes..... 1,000.00
Two Ore Cars..... 300.00
Mine Timber..... 1,500.00
Other Lumber..... 500.00
Powder, Caps and Fuses..... 2,500.00
Truck..... 3,000.00
Corrogated Iron..... 500.00

f. Approximate rental equipment amounting to..... 1,000.00

g. Approximately $350.00 per month

h. Miscellaneous small tools 300.00

i. Engine, pump and pipe for pumping water from the mine, together with galvanized tank for furnishing water, costing approximately..... 3,000.00

Other incidentals 6,950.00

24. It is rather hard at this time to furnish a time schedule but expect to work about 12 men three shifts.

We believe this property has a great deal of merit for the reason that it is a highly mineralized country and small mines are being operated contiguous to this property as well as within a mile or two from its boundaries, and we believe that this property has the earmarks of being developed into a large copper and lead property.

EXHIBIT "A"

This corporation was organized for 1,000,000 shares of common stock at the par value of $1.00 per share, out of which 100,000 shares was issued for the property.

We have on hand mining machinery, tools, trailer, buildings etc. of a purchase price of $5,000.00.

There is no profit and loss statement because we have not shipped any ore as yet - mine still being developed.

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1350 X

Commodity Copper

Total Amount $ 30,000.00

Govt. Participation $ 15,000.00

1. Name and Address of Applicant Sun Gold Mining Co

711 Valley National Bldg, Tucson Arizona

2. Location of Property Near Sells, Pima County

Twp 11 S R 4 E

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? Yes? See statement regarding loan from stockholders

a) MF-201? ✓

b) MF-202 –

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

a) Available manpower Yes

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

c) Accessibility (question 12)* Yes

d) Water (question 13)* No

e) Power (question 13)* No

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

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

Is a field check needed on this point? No

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

a) Is the project adequately described? No

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

b) Is there an adequate map or sketch of the proposed work? No

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

If not, what part of it is?

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? 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? Yes - EXCEPT "OTHER INCIDENTALS"

f) Should more information be requested from applicant? YES INVESTIGATE "OTHER INCIDENTALS"

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

11. Exhibit B (question 23-d)*

a) Is it applicable? Yes

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

c) Is a field check needed? 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? Yes

d) Is a field check needed? No

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

a) Are there sufficient data? No

b) Is the schedule adequate for the work proposed? CAN'T TELL DOES NOT GIVE FOOTAGES OF UNDER GROUND WORKS proposed.

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

d) Are the proposed wages and salaries reasonable? No

e) Is a field check needed? Yes

Proposed wages in 23a [illegible] 12 [illegible] 24 hrs. day [illegible] 2 years time. [illegible] $12,500 is quoted in way of [illegible]

EXHIBIT A (21122)

Deepen 2 shaft by sinking, cross cut & drift & shaft & drift on surface as far as the ground may require, as needed

LABOUR	$18,500.00
BUILDINGS	6,000.00
EQUIPMENT	18,850.00
ENGINE, PUMP & PIPE FOR PUMPING WATER FROM MINE WITH GALVANIZED TANK	3,000.00
OTHER INCIDENTALS	6,450.00
	$53,300.00
RENTAL OF EQUIPMENT	1000.00
TOTAL -	$54,300.00

EXHIBIT B (23-d)

ABODE KITCHEN, MESS HALL & POSSIBLY 2 or 3 SMALL FRAME SHEDS FOR MINERS	$6,000.00
POWDER HOUSE	1,500.00
SHOWER ROOM	250.00
	$8,750.00

EXHIBIT C (23 e,f,g)

e. ELECTRIC LIGHT PLANT	$1000.00
COMPRESSOR	3000.00
2 HOISTS	2,000.00
2 STOPERS	1,500.00
RAILS, TIES & SPIKES	1,000.00
2 ORE CARS	300.00
MINE TIMBER	1,500.00
OTHER LUMBER	500.00
POWDER, CAPS & FUSES	2,500.00
TRUCK	3,000.00
CORRUGATED IRON	500.00
ENGINE, PUMP, PIPE, GALVANIZED TANK	3,000.00
TOTAL	$9,800.00

EXHIBIT C (CONT.)

f. RENTAL EQUIPMENT $1,000.00

g. EQUIPMENT OWNED TO RENT $350.00/MONTH.

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data? –

c) Reasonable? –

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? 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? Total costs are more than amount asked. Check cost estimates. Is work planned justified? Every item should be checked by F.T.

Reviewed by: [illegible]

D R Macdaren

C G Johnson

Date 27 June 51 J B Brown

97692

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1550X

Commodity COPPER

Total Amount $50,000 00

Govt. Participation $25,000 00

1. Name and Address of Applicant SUN-GOLD MINING CO.
711 VALLEY NATIONAL BLDG, TUSCON ARIZONA

2. Location of Property NEAR SELLS, PIMA COUNTY
TWP 16S, R 4E

3. Mineral or metal COPPER-lead Is it listed in Section 9 of MO-5? - YES
(50-50)

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? YES? See statement regarding loan from stockholders

a) MF-201? YES

b) MF-202 —

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

a) Available manpower YES

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

c) Accessibility (question 12)* YES

d) Water (question 13)* No

e) Power (question 13)* YES

Is a field check needed on any of these points? YES WATER

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

Is a field check needed on this point? No

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

a) Is the project adequately described? No

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

b) Is there an adequate map or sketch of the proposed work? No

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

If not, what part of it is?

Is this part a worthwhile exploration project? —

d) Are the cost estimates detailed? 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? YES - EXECPT "OTHER INCIDENTALS"

f) Should more information be requested from applicant? YES INVESTIGATE "OTHER INCIDENTALS"

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

11. Exhibit B (question 23-d)*

a) Is it applicable? YES

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

c) Is a field check needed? 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? YES

d) Is a field check needed? NO

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

a) Are there sufficient data? NO

b) Is the schedule adequate for the work proposed? DOES NOT GIVE FOOTAGES OF UNDERGROUND PROPOSED WORK CAN'T TELL

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

d) Are the proposed wages and salaries reasonable? NO

e) Is a field check needed? YES

Proposed wages in 23a does not correspond to 12 men 3 shifts a day for 4 year to 2 years time. The $12,500.00 quoted is way too low.

EXHIBIT A. (21+22)

Deepen 2 existing shafts, cross cut to veins and follow the veins at the surface as far as they produce any copper or lead ore.

LABOR	$18,500.00
BUILDINGS	6,000.00
EQUIPMENT	18,850.00
ENGINE, PUMP & PIPE FOR PUMPING WATER FROM MINE WITH GALVANIZED TANK	3,000.00
OTHER INCIDENTALS	6,950.00
	$53,300.00
RENTAL OF EQUIPMENT	1000.00
TOTAL -	$54,300.00

EXHIBIT B (23-d)

ABODE KITCHEN, MESS HALL & POSSIBLY 2 or 3 SMALL FRAME SHEDS FOR MINERS	$6,000.00
POWDER HOUSE	1,500.00
SHOWER ROOM	250.00
	$8,750.00

EXHIBIT C (23 e,f+g)

e. ELECTRIC LIGHT PLANT	$1,000.00
COMPRESSOR	3000.00
2 HOISTS	2,000.00
2 STOPERS	1,500.00
RAILS, TIES + SPIKES	1,000.00
2 ORE CARS	300.00
MINE TIMBER	1,500.00
OTHER LUMBER	500.00
POWDER, CAPS & FUSES	2,500.00
TRUCK	3,000.00
CORRUGATED IRON	500.00
ENGINE, PUMP, PIPE & GALVANIZED TANK	3,500.00
TOTAL	$9,800.00

EXHIBIT C (CONT.)

f. RENTAL EQUIPMENT $1,000.00

g. EQUIPMENT OWNED TO RENT $350.00/MONTH.

14. Exhibit E (question 23-c)*

a) Is it applicable? No

b) Sufficient data? –

c) Reasonable? –

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? 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? Total costs are more that amount asked for. Check cost estimates. Is work planned justified? Every item should be checked by F.T.

Reviewed by: R E Lough

D R MacLaren

C N Golus

Date 27 June 5. J B Gowen

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-1550 X

Date received 6/4/51

Participation

SUN-GOLD MINING COMPANY
711 Valley Nat'l. Bldg.
Tucson, Arizona

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $50,000.00

Mineral or metal Copper and Lead

Percentage of Government participation 50%

Location of mine Near Sells, Pima County, Arizona

Date of filing MF-100 May 10, 1951

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

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

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

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

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

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

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

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

*16. History:

    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

    (*b*) State briefly the known history and production of adjoining and neighboring properties.

    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

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

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

*18. Ore or mineral reserves: (If property is or has been operating.)

    (*a*) Describe the ore or mineral deposits briefly.

    (*b*) Submit available maps and assay data.

    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

    (*b*) Supervisors, by numbers and positions, with salaries of each.

    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

    (*f*) Cost of rental for equipment which the operator proposes to rent.

    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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

CERTIFICATION

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

[illegible] (Name of company)

By John C Jump (Signature of authorized official)

[illegible] (Date)

Secretary-Treasurer (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.

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1 to 5. Answered on MP-100

6. We are indebted to five stockholders in the sum of approximately $9,000.00 for money advanced in working this property.

7. Not lessee.

8. See Exhibit attached marked "A"

9. Applicant would be prepared to pay his part in the following manner: Part of wages; part in reasonable rental for the machinery now upon the property and part by the directors putting up their part in money, or else will obtain permission to sell sufficient treasury stock at part value to raise company's part of money to meet what the Government advances.

10a. 15 unpatented lode mining claims.

10b. The exploration is to be conducted upon parts of these 15 unpatented lode mining claims, which are located in Township 16 South, Range 4 East, Cababi Mining District, Pima County, Arizona.

11 to 14. Answered on MP-100

15. The ore that is extracted could be either milled at a mill approximately one mile from the property, or could be shipped to El Paso to the American Smelter Company.

16 to 18. Answered on MP-100.

19. There are three parallel veins going through these claims, which veins are approximately 30 inches wide. We have sunk a shaft approximately 40 feet on one vein and then drifted in a crosscut where we exposed copper and lead ore which assayed around $80.00 a ton in copper and lead. The vein exposed in this drift is from 4 to 14 inches in width. On the same vein, in a northerly direction, we sunk a shaft 85 feet. On the 40 foot level we drifted in on the vein and we got copper and lead and silver ore which assayed $140.00 a ton. The vein of this rich ore being from 4 to 8 inches in thickness. On the 85 foot level in the shaft we drifted in about 30 feet and crosscut the vein again, and this vein assayed around $15.00 a ton in copper, lead and silver. On one of the other parallel veins we sank a shaft about 10 or 12 feet and struck a vein from 6 to 12 inches which assayed around $60.00 a ton. There is another surface indication of a copper vein which we have no explored as yet, but expect to when we receive sufficient funds for that purpose. Several other veins [redacted] are in process of being developed at this time.

20. Copper and lead.

21. We expect to sink both shafts above described to a deeper depth, crosscutting to the veins, and also follow the veins at surface depth as far as they produce any copper or lead ore, and it is estimated that this will require about a year, but no longer than two years, to complete it.

22. No geological map has ever been prepared of this property, but if the department should desire one, that can be furnished at a later time.

23a. Miners and muckers at standard local wages..... 18,500.00

b. Engineer and Superintendent..... 6,000.00

c. It will be necessary to erect an adobe kitchen and mess hall and possibly 2 or 3 small frame sheds for miners..... 6,000.00

d. Answered in "c" above.

e. Electrict light plant, costing approximately.... 1,000.00
Another compresson, costing approximately..... 3,000.00
Two more hoists, costing approximately..... 2,000.00
Two Stopers..... 1,500.00
Powder House..... 1,500.00
Shower Room..... 250.00
Rails, Ties and Spikes..... 1,000.00
Two Ore Cars..... 300.00
Mine Timber..... 1,500.00
Other Lumber..... 500.00
Powder, Caps and Fuses..... 2,500.00
Truck..... 3,000.00
Corrogated Iron..... 500.00

f. Approximate rental equipment amounting to..... 1,000.00

g. Approximately $350.00 per month

h. Miscellaneous small tools 300.00

i. Engine, pump and pipe for pumping water from the mine, together with galvanized tank for furnishing water, costing approximately..... 3,000.00

Other incidentals 6,950.00

24. It is rather hard at this time to furnish a time schedule but expect to work about 12 men three shifts.

We believe this property has a great deal of merit for the reason that it is a highly mineralized country and small mines are being operated contiguous to this property as well as within a mile or two from its boundaries, and we believe that this property has the earmarks of being developed into a large copper and lead property.

EXHIBIT "A"

This corporation was organized for 1,000,000 shares of common stock at the par value of $1.00 per share, out of which 100,000 shares was issued for the property.

We have on hand mining machinery, tools, trailer, buildings etc. of a purchase price of $5,000.00.

There is no profit and loss statement because we have not shipped any ore as yet - mine still being developed.

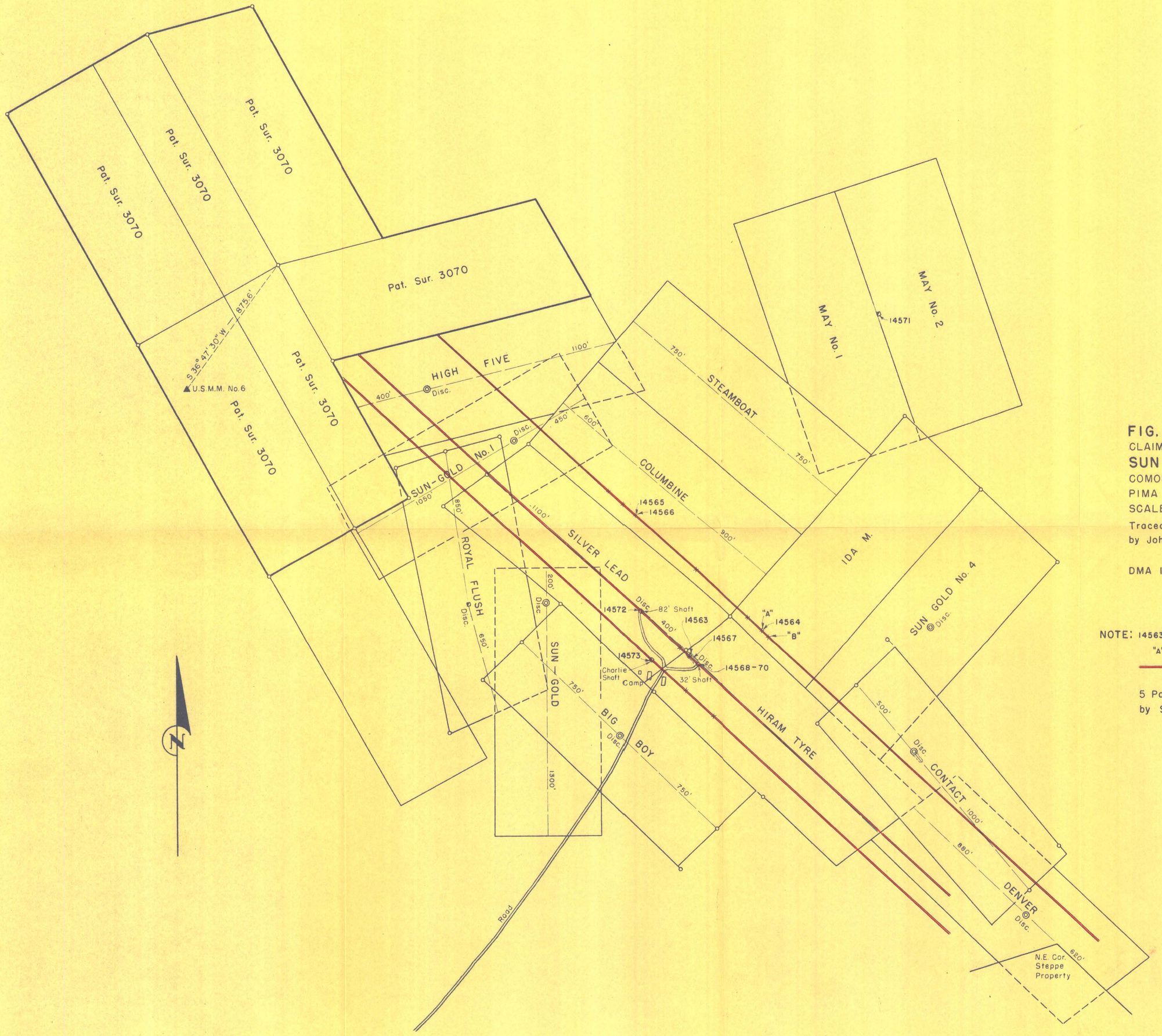

FIG. 2
CLAIM MAP OF
SUN-GOLD MINING CO.
COMOBABI (COBABI) MINING DISTRICT
PIMA COUNTY, ARIZONA
SCALE 1" = 300'
Traced from map furnished by John C. Gung'l

DMA 1550X

NOTE: 14563-14573 — Sample Numbers U.S.B.M.
"A"-"B" — Applicant's Samples
— Vein

5 Patented claims not owned by Sun-Gold Mining Co.